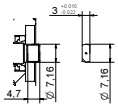
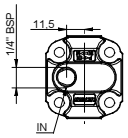
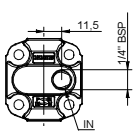
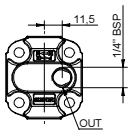
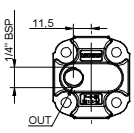
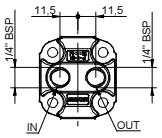
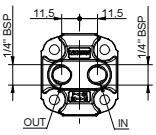
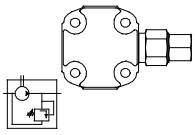
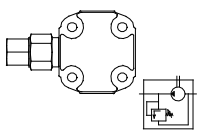
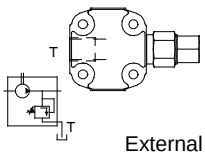
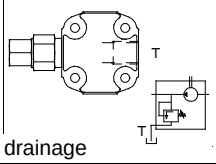
Table of variations

Shaped female ø22 FLANGE

XOF-0

Shaped female ø22 FLANGE			
Left rotation		Right rotation	
	23		24

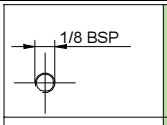
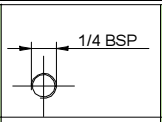
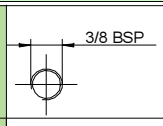
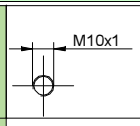
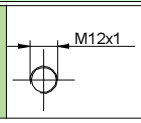
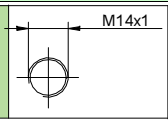
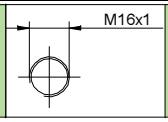
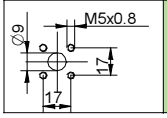
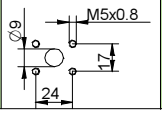
Shaft	
CFF01 - Milled shank T.2 = 3.7 [Nm] 	N

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		O

Displacement	
TYPE	CODE
X0F-0/0.17	**01**
X0F-0/0.25	**02**
X0F-0/0.45	**04**
X0F-0/0.57	**05**
X0F-0/0.76	**06**
X0F-0/0.98	**07**
X0F-0/1.27	**09**
X0F-0/1.52	**11**
X0F-0/2.30	**13**

Standard bodies			
Displacement cm3/rev	Standard threads		
0.17	B - B	Z - B	Z - Z
0.25	B - B	Z - B	Z - Z
0.45	B - B	Z - B	Z - Z
0.57	B - B	Z - B	Z - Z
0.76	B - B	Z - B	Z - Z
0.98	B - B	Z - B	Z - Z
1.27	B - B	Z - B	Z - Z
1.52	B - B	Z - B	Z - Z
2.30	B - B	Z - B	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
 1/8 BSP	A	 1/4 BSP	B	 3/8 BSP	C	 M10x1	D	 M12x1	E	 M14x1	F	 M16x1	G
 M5x0.8	H	 M5x0.8	I	Closed Body	Z										

SAMT HYDRAULICS

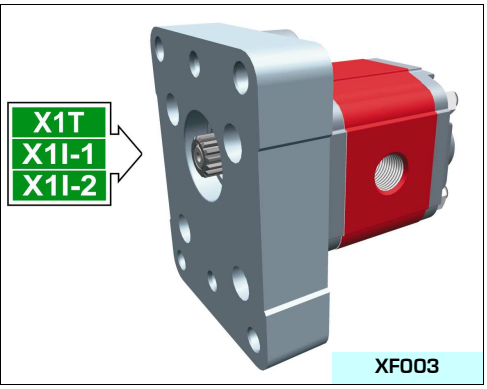
final pump - series XV

FINAL PUMP TO BE COUPLED WITH XV1
FEMALE ø25,4 FLANGE

XOF-1

X	0	F	06	32	G	B	B	A

Series	X	series XV
Group	0	group 0
Category	F	final pump
Displacement	06	0.76
Flange	32	Ø25.4 female right rotation 1P+0P
Shaft	G	CI001 - Final for 1+0, 2+0
Body IN	B	inlet - 1/4" GAS
Body OUT	B	outlet - 1/4" GAS
Cover	A	standard

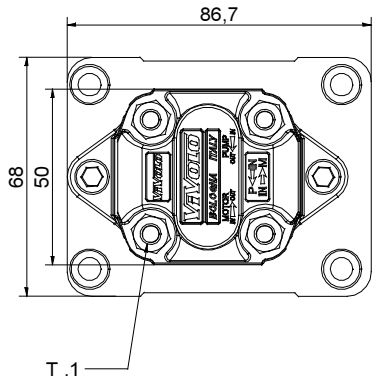


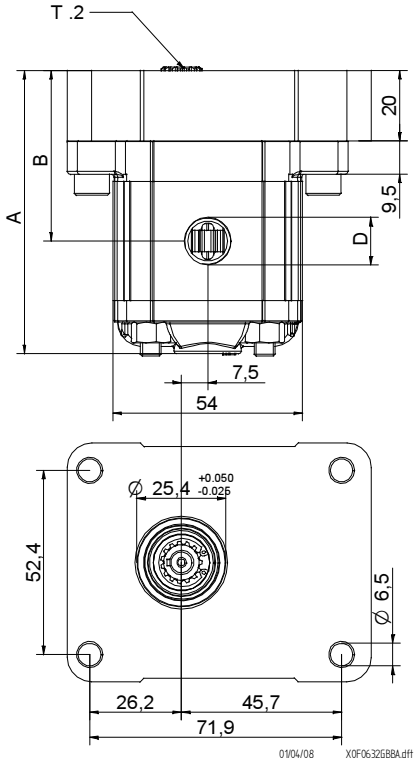
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X0F-1/0.17	0,16	220	260	X 0 F 01 31 G B B A	X 0 F 01 32 G B B A
X0F-1/0.25	0,24	220	260	X 0 F 02 31 G B B A	X 0 F 02 32 G B B A
X0F-1/0.45	0,45	220	280	X 0 F 04 31 G B B A	X 0 F 04 32 G B B A
X0F-1/0.57	0,56	220	280	X 0 F 05 31 G B B A	X 0 F 05 32 G B B A
X0F-1/0.76	0,75	220	280	X 0 F 06 31 G B B A	X 0 F 06 32 G B B A
X0F-1/0.98	0,92	220	280	X 0 F 07 31 G B B A	X 0 F 07 32 G B B A
X0F-1/1.27	1,26	220	280	X 0 F 09 31 G B B A	X 0 F 09 32 G B B A
X0F-1/1.52	1,48	220	280	X 0 F 11 31 G B B A	X 0 F 11 32 G B B A
X0F-1/2.30	2,28	190	210	X 0 F 13 31 G B B A	X 0 F 13 32 G B B A

P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft





Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
X0F-1/0.17	0,400	75,8	46,2	1/4" BSPP	1/4" BSPP
X0F-1/0.25	0,410	76,4	46,5	1/4" BSPP	1/4" BSPP
X0F-1/0.45	0,420	78,0	47,3	1/4" BSPP	1/4" BSPP
X0F-1/0.57	0,430	79,0	47,8	1/4" BSPP	1/4" BSPP
X0F-1/0.76	0,440	80,5	48,5	1/4" BSPP	1/4" BSPP
X0F-1/0.98	0,460	82,0	49,3	1/4" BSPP	1/4" BSPP
X0F-1/1.27	0,480	84,5	50,5	1/4" BSPP	1/4" BSPP
X0F-1/1.52	0,500	86,5	51,5	1/4" BSPP	1/4" BSPP
X0F-1/2.30	0,560	92,5	54,5	1/4" BSPP	1/4" BSPP

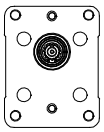
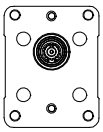
T.1 = 11.7÷13.7 [Nm] - screw tightening torque M6

T.2 = 2.1 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

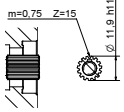
Table of variations

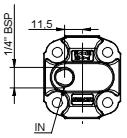
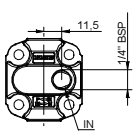
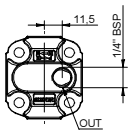
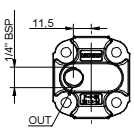
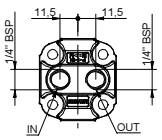
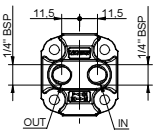
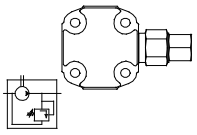
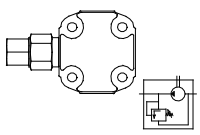
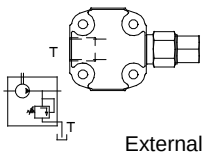
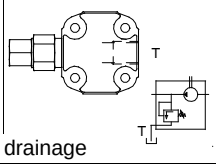
Female ø25,4 FLANGE

XOF-1

Female ø25,4 FLANGE			
Left rotation		Right rotation	
	31		32

Shaft	
CI001 - Parallel T.2 = 2.1 [Nm]	G

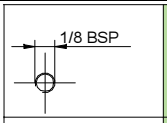
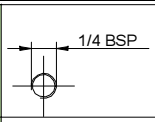
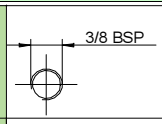
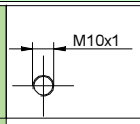
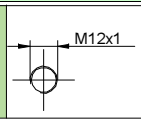
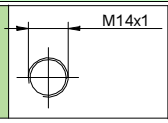
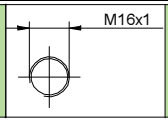
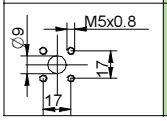
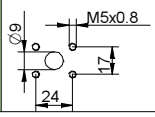


Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		O

Displacement	
TYPE	CODE
X0F-1/0.17	**01**
X0F-1/0.25	**02**
X0F-1/0.45	**04**
X0F-1/0.57	**05**
X0F-1/0.76	**06**
X0F-1/0.98	**07**
X0F-1/1.27	**09**
X0F-1/1.52	**11**
X0F-1/2.30	**13**

Standard bodies			
Displacement cm3/rev	Standard threads		
0.17	B - B	Z - B	Z - Z
0.25	B - B	Z - B	Z - Z
0.45	B - B	Z - B	Z - Z
0.57	B - B	Z - B	Z - Z
0.76	B - B	Z - B	Z - Z
0.98	B - B	Z - B	Z - Z
1.27	B - B	Z - B	Z - Z
1.52	B - B	Z - B	Z - Z
2.30	B - B	Z - B	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
 1/8 BSP	A	 1/4 BSP	B	 3/8 BSP	C	 M10x1	D	 M12x1	E	 M14x1	F	 M16x1	G
 M5x0.8	H	 M5x0.8	I	Closed Body	Z										

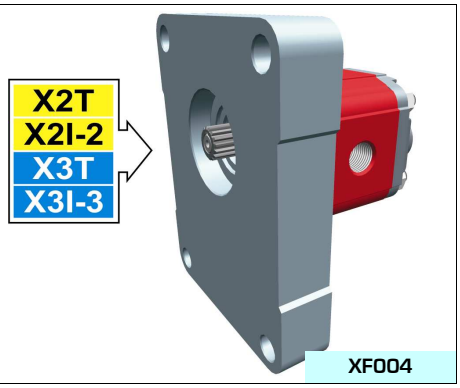
final pump - series XV

FINAL PUMP TO BE COUPLED WITH XV2
FEMALE ø36,5 FLANGE

X0F-2

X	0	F	06	42	G	B	B	A

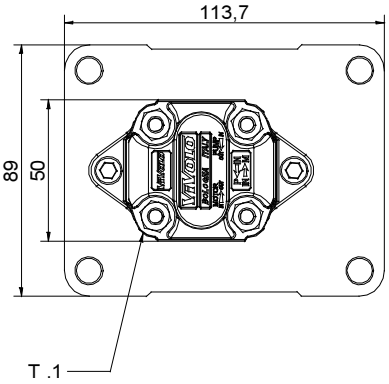
Series	X	series XV
Group	0	group 0
Category	F	final pump
Displacement	06	0.76
Flange	42	Ø36.5 female right rotation 2P+0P, 3P+0P
Shaft	G	CI001 - Final for 1+0, 2+0
Body IN	B	inlet - 1/4" GAS
Body OUT	B	outlet - 1/4" GAS
Cover	A	standard



Technical data table

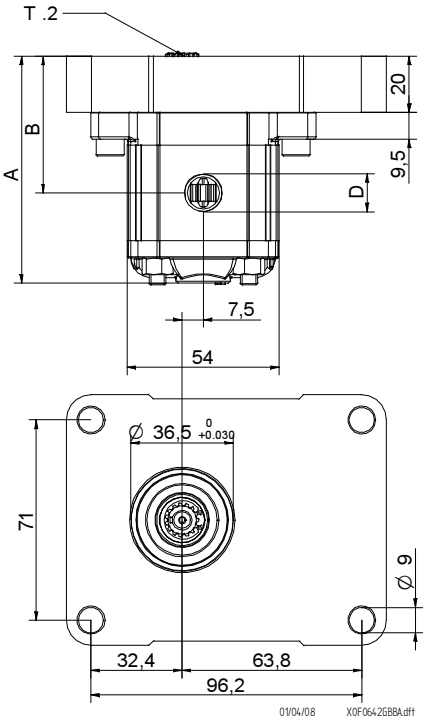
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X0F-2/0.17	0,16	220	260	X 0 F 01 41 G B B A	X 0 F 01 42 G B B A
X0F-2/0.25	0,24	220	260	X 0 F 02 41 G B B A	X 0 F 02 42 G B B A
X0F-2/0.45	0,45	220	280	X 0 F 04 41 G B B A	X 0 F 04 42 G B B A
X0F-2/0.57	0,56	220	280	X 0 F 05 41 G B B A	X 0 F 05 42 G B B A
X0F-2/0.76	0,75	220	280	X 0 F 06 41 G B B A	X 0 F 06 42 G B B A
X0F-2/0.98	0,92	220	280	X 0 F 07 41 G B B A	X 0 F 07 42 G B B A
X0F-2/1.27	1,26	220	280	X 0 F 09 41 G B B A	X 0 F 09 42 G B B A
X0F-2/1.52	1,48	220	280	X 0 F 11 41 G B B A	X 0 F 11 42 G B B A
X0F-2/2.30	2,28	190	210	X 0 F 13 41 G B B A	X 0 F 13 42 G B B A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft



Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
X0F-2/0.17	0,400	75,8	46,2	1/4" BSPP	1/4" BSPP
X0F-2/0.25	0,410	76,4	46,5	1/4" BSPP	1/4" BSPP
X0F-2/0.45	0,420	78,0	47,3	1/4" BSPP	1/4" BSPP
X0F-2/0.57	0,430	79,0	47,8	1/4" BSPP	1/4" BSPP
X0F-2/0.76	0,440	80,5	48,5	1/4" BSPP	1/4" BSPP
X0F-2/0.98	0,460	82,0	49,3	1/4" BSPP	1/4" BSPP
X0F-2/1.27	0,480	84,5	50,5	1/4" BSPP	1/4" BSPP
X0F-2/1.52	0,500	86,5	51,5	1/4" BSPP	1/4" BSPP
X0F-2/2.30	0,560	92,5	54,5	1/4" BSPP	1/4" BSPP

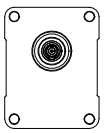
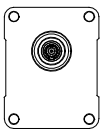


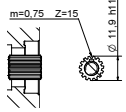
T.1 = 11.7÷13.7 [Nm] - screw tightening torque M6
T.2 = 2.1 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

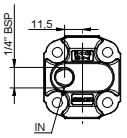
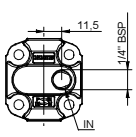
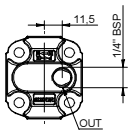
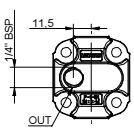
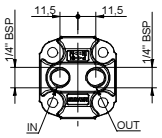
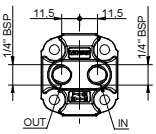
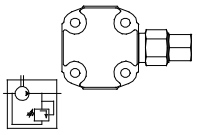
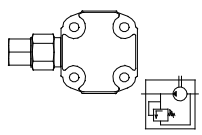
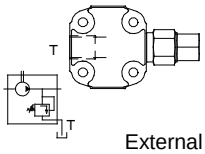
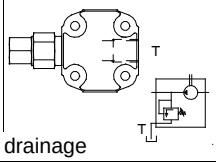
Table of variations

Female ø36.5 FLANGE

XOF-2

Female ø36.5 FLANGE			
Left rotation		Right rotation	
	41		42

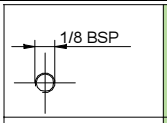
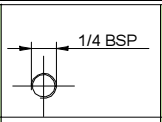
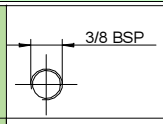
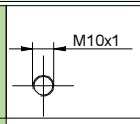
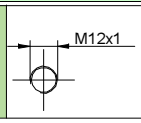
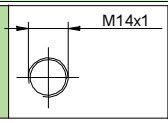
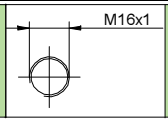
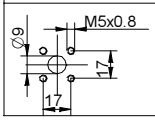
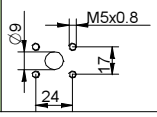
Shaft	
Cl001 - Parallel T.2 = 2.1 [Nm] 	G

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		O

Displacement	
TYPE	CODE
X0F-2/0.17	**01**
X0F-2/0.25	**02**
X0F-2/0.45	**04**
X0F-2/0.57	**05**
X0F-2/0.76	**06**
X0F-2/0.98	**07**
X0F-2/1.27	**09**
X0F-2/1.52	**11**
X0F-2/2.30	**13**

Standard bodies			
Displacement cm3/rev	Standard threads		
0.17	B - B	Z - B	Z - Z
0.25	B - B	Z - B	Z - Z
0.45	B - B	Z - B	Z - Z
0.57	B - B	Z - B	Z - Z
0.76	B - B	Z - B	Z - Z
0.98	B - B	Z - B	Z - Z
1.27	B - B	Z - B	Z - Z
1.52	B - B	Z - B	Z - Z
2.30	B - B	Z - B	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
 1/8 BSP	A	 1/4 BSP	B	 3/8 BSP	C	 M10x1	D	 M12x1	E	 M14x1	F	 M16x1	G
 M5x0.8	H	 M5x0.8	I	Closed Body	Z										

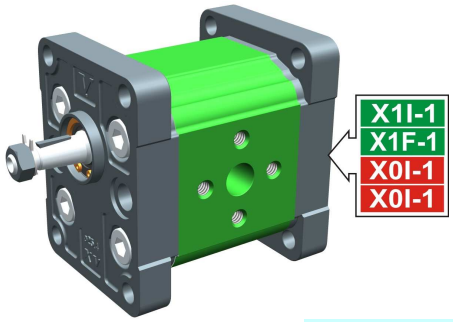
entrainment pump - series XV

EUROPEAN STANDARD DRIVING PUMP
ø25.4 FLANGE - TAPER SHAFT

X1T

X	1	T	25	02	F	I	I	A

Series		X	series XV
Group		1	group 1
Category		T	entrainment pump
Displacement		25	3.8
Flange		02	Ø25.4 STANDARD EUROPEAN right rotation
Shaft		F	COP01 - Tapered 1:8 - ø10 - M7x1 - key thk.2.4
Body	IN	I	inlet - Ø30 Ø12 M6
	OUT	I	outlet - Ø30 Ø12 M6
Cover		A	ø25,5 female cover for left multiple pump element



XT101

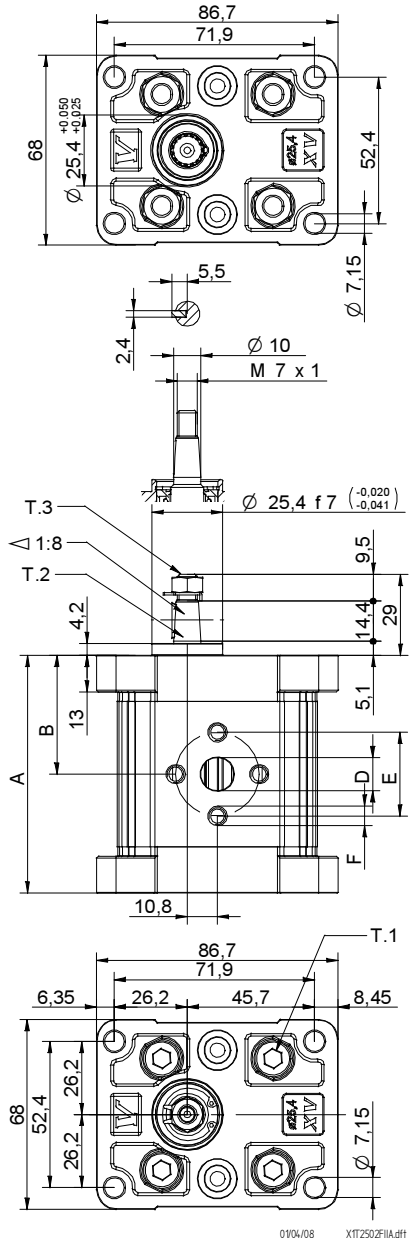
Technical data table

TYPE	Displacement	Max. Pressure	CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation						
X1T/0.9	0,91	240	280	X	1	T	16	01	F	I	I	A	X	1	T	16	02	F	I	I	A
X1T/1.2	1,17	250	290	X	1	T	17	01	F	I	I	A	X	1	T	17	02	F	I	I	A
X1T/1.7	1,56	250	290	X	1	T	18	01	F	I	I	A	X	1	T	18	02	F	I	I	A
X1T/2.2	2,08	250	290	X	1	T	20	01	F	I	I	A	X	1	T	20	02	F	I	I	A
X1T/2.6	2,60	250	300	X	1	T	21	01	F	I	I	A	X	1	T	21	02	F	I	I	A
X1T/3.2	3,12	250	300	X	1	T	23	01	F	I	I	A	X	1	T	23	02	F	I	I	A
X1T/3.8	3,64	250	300	X	1	T	25	01	F	I	I	A	X	1	T	25	02	F	I	I	A
X1T/4.3	4,16	250	300	X	1	T	27	01	F	I	I	A	X	1	T	27	02	F	I	I	A
X1T/4.9	4,94	250	300	X	1	T	29	01	F	I	I	A	X	1	T	29	02	F	I	I	A
X1T/5.9	5,85	250	300	X	1	T	31	01	F	I	I	A	X	1	T	31	02	F	I	I	A
X1T/6.5	6,50	250	300	X	1	T	32	01	F	I	I	A	X	1	T	32	02	F	I	I	A
X1T/7.8	7,54	220	260	X	1	T	34	01	F	I	I	A	X	1	T	34	02	F	I	I	A
X1T/9.8	9,88	190	230	X	1	T	36	01	F	I	I	A	X	1	T	36	02	F	I	I	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1T/0.9	0,950	74,5	37,3	ø12	30	M6x1	ø12	30	M6x1
X1T/1.2	0,970	75,5	37,8	ø12	30	M6x1	ø12	30	M6x1
X1T/1.7	1,010	77,0	38,5	ø12	30	M6x1	ø12	30	M6x1
X1T/2.2	1,030	79,0	39,5	ø12	30	M6x1	ø12	30	M6x1
X1T/2.6	1,060	81,0	40,5	ø12	30	M6x1	ø12	30	M6x1
X1T/3.2	1,090	83,0	41,5	ø12	30	M6x1	ø12	30	M6x1
X1T/3.8	1,120	85,0	42,5	ø12	30	M6x1	ø12	30	M6x1
X1T/4.3	1,170	87,0	43,5	ø12	30	M6x1	ø12	30	M6x1
X1T/4.9	1,200	90,0	45,0	ø12	30	M6x1	ø12	30	M6x1
X1T/5.9	1,260	93,5	46,8	ø12	30	M6x1	ø12	30	M6x1
X1T/6.5	1,300	96,0	48,0	ø12	30	M6x1	ø12	30	M6x1
X1T/7.8	1,360	100,0	50,0	ø12	30	M6x1	ø12	30	M6x1
X1T/9.8	1,500	109,0	54,5	ø12	30	M6x1	ø12	30	M6x1

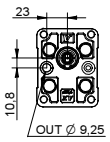
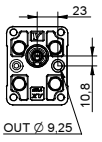
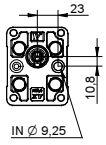
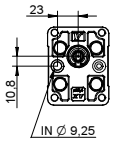
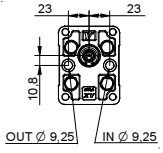
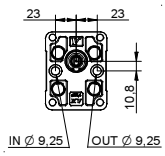


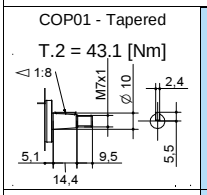
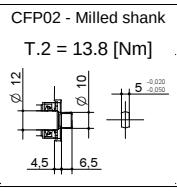
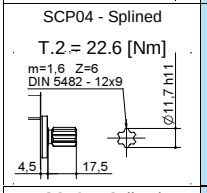
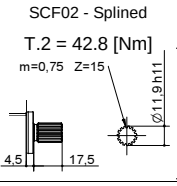
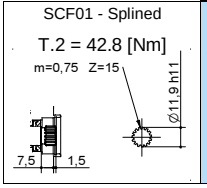
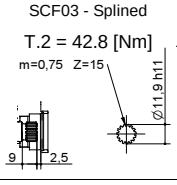
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 43.1 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

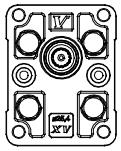
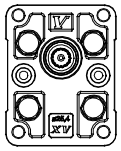
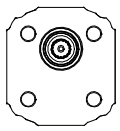
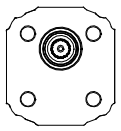
Table of variations

ø25.4 FLANGE

X1T

ø25.4 FLANGE			
Left rotation		Right rotation	
	01		02
	03		04
	05		06
	07		08

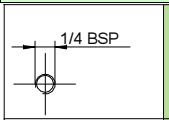
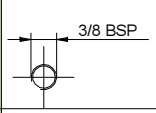
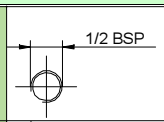
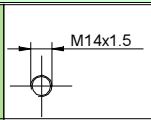
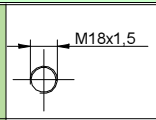
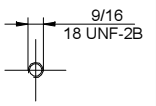
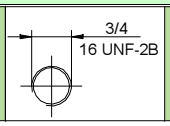
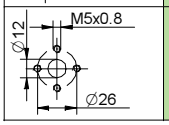
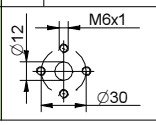
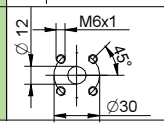
Shaft			
	F		D
	J		L
	Q		R

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1T/0.9	**16**
X1T/1.2	**17**
X1T/1.7	**18**
X1T/2.2	**20**
X1T/2.6	**21**
X1T/3.2	**23**
X1T/3.8	**25**
X1T/4.3	**27**
X1T/4.9	**29**
X1T/5.9	**31**
X1T/6.5	**32**
X1T/7.8	**34**
X1T/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G
	H		I		J	Closed Body	Z							

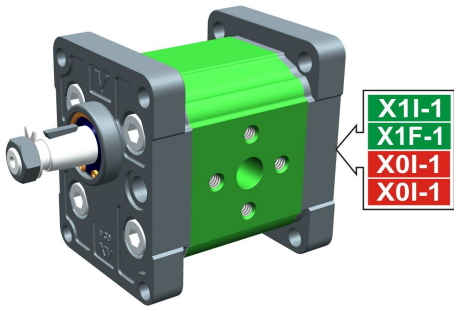
entrainment pump - series XV

STANDARD DRIVING PUMP
ø30 FLANGE - TAPER SHAFT

X1T

X	1	T	25	12	G	I	I	A

Series		X	series XV
Group		1	group 1
Category		T	entrainment pump
Displacement		25	3.8
Flange		12	Ø30 STANDARD right rotation
Shaft		G	COP02 - Tapered 1:8 - ø14 - M10x1 - key thk.3
Body	IN	I	inlet - Ø30 Ø12 M6
	OUT	I	outlet - Ø30 Ø12 M6
Cover		A	ø25,5 female cover for left multiple pump element



XT113

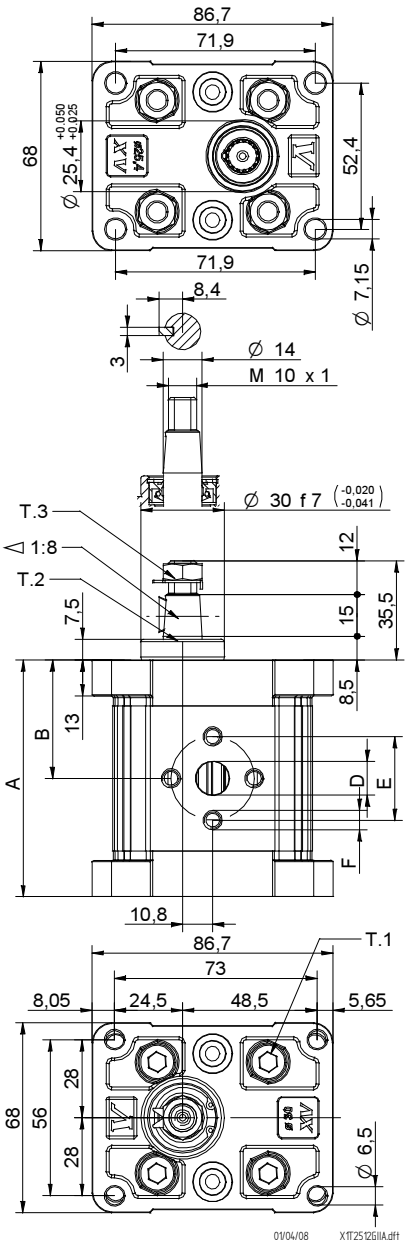
Technical data table

TYPE	Displacement	Max. Pressure	CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation						
X1T/0.9	0,91	240	280	X	1	T	16	11	G	I	I	A	X	1	T	16	12	G	I	I	A
X1T/1.2	1,17	250	290	X	1	T	17	11	G	I	I	A	X	1	T	17	12	G	I	I	A
X1T/1.7	1,56	250	290	X	1	T	18	11	G	I	I	A	X	1	T	18	12	G	I	I	A
X1T/2.2	2,08	250	290	X	1	T	20	11	G	I	I	A	X	1	T	20	12	G	I	I	A
X1T/2.6	2,60	250	300	X	1	T	21	11	G	I	I	A	X	1	T	21	12	G	I	I	A
X1T/3.2	3,12	250	300	X	1	T	23	11	G	I	I	A	X	1	T	23	12	G	I	I	A
X1T/3.8	3,64	250	300	X	1	T	25	11	G	I	I	A	X	1	T	25	12	G	I	I	A
X1T/4.3	4,16	250	300	X	1	T	27	11	G	I	I	A	X	1	T	27	12	G	I	I	A
X1T/4.9	4,94	250	300	X	1	T	29	11	G	I	I	A	X	1	T	29	12	G	I	I	A
X1T/5.9	5,85	250	300	X	1	T	31	11	G	I	I	A	X	1	T	31	12	G	I	I	A
X1T/6.5	6,50	250	300	X	1	T	32	11	G	I	I	A	X	1	T	32	12	G	I	I	A
X1T/7.8	7,54	220	260	X	1	T	34	11	G	I	I	A	X	1	T	34	12	G	I	I	A
X1T/9.8	9,88	190	230	X	1	T	36	11	G	I	I	A	X	1	T	36	12	G	I	I	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1T/0.9	0,950	74,5	37,3	ø12	30	M6x1	ø12	30	M6x1
X1T/1.2	0,970	75,5	37,8	ø12	30	M6x1	ø12	30	M6x1
X1T/1.7	1,010	77,0	38,5	ø12	30	M6x1	ø12	30	M6x1
X1T/2.2	1,030	79,0	39,5	ø12	30	M6x1	ø12	30	M6x1
X1T/2.6	1,060	81,0	40,5	ø12	30	M6x1	ø12	30	M6x1
X1T/3.2	1,090	83,0	41,5	ø12	30	M6x1	ø12	30	M6x1
X1T/3.8	1,120	85,0	42,5	ø12	30	M6x1	ø12	30	M6x1
X1T/4.3	1,170	87,0	43,5	ø12	30	M6x1	ø12	30	M6x1
X1T/4.9	1,200	90,0	45,0	ø12	30	M6x1	ø12	30	M6x1
X1T/5.9	1,260	93,5	46,8	ø12	30	M6x1	ø12	30	M6x1
X1T/6.5	1,300	96,0	48,0	ø12	30	M6x1	ø12	30	M6x1
X1T/7.8	1,360	100,0	50,0	ø12	30	M6x1	ø12	30	M6x1
X1T/9.8	1,500	109,0	54,5	ø12	30	M6x1	ø12	30	M6x1

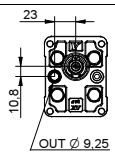
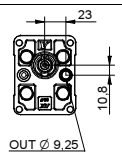
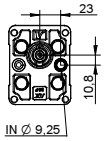
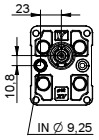
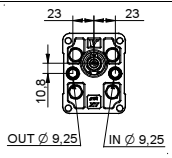
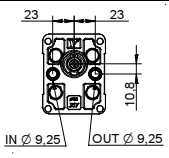


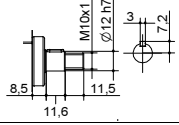
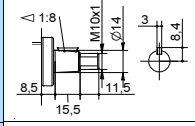
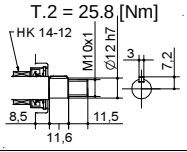
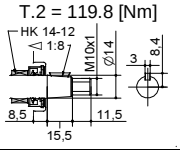
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 119.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.3 = 13 [Nm] - torque wrench setting 17

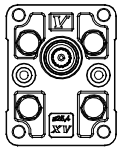
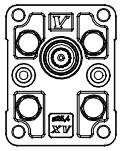
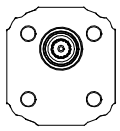
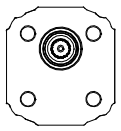
Table of variations

ø30 FLANGE

X1T

ø30 FLANGE			
Left rotation		Right rotation	
	11		12
	13		14
	15		16
	17		18

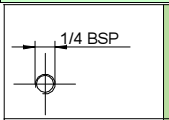
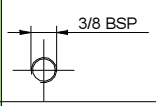
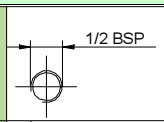
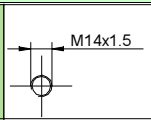
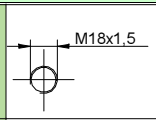
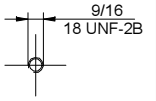
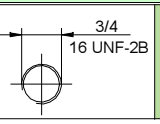
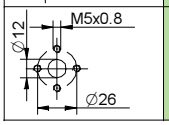
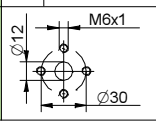
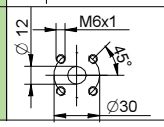
Shaft			
CIP01 - Parallel		COP02 - Tapered	
T.2 = 25.8 [Nm]	A	T.2 = 119.8 [Nm]	G
			
CI001+HK - Parallel		COP02+HK - Tapered	
T.2 = 25.8 [Nm]	P	T.2 = 119.8 [Nm]	O
			

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1T/0.9	**16**
X1T/1.2	**17**
X1T/1.7	**18**
X1T/2.2	**20**
X1T/2.6	**21**
X1T/3.2	**23**
X1T/3.8	**25**
X1T/4.3	**27**
X1T/4.9	**29**
X1T/5.9	**31**
X1T/6.5	**32**
X1T/7.8	**34**
X1T/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
 1/4 BSP	A	 3/8 BSP	B	 1/2 BSP	C	 M14x1.5	D	 M18x1,5	E	 9/16 18 UNF-2B	F	 3/4 16 UNF-2B	G
 M5x0.8 Ø12 Ø26	H	 M6x1 Ø12 Ø30	I	 M6x1 Ø12 45° Ø30	J	Closed Body	Z							

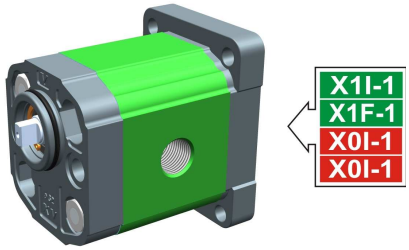
entrainment pump - series XV

X1T

"BH" DRIVING PUMP
ø32 BODY-SHAPED FLANGE - MILLED SHANK

X	1	T	25	42	D	B	B	A

Series	X	series XV
Group	1	group 1
Category	T	entrainment pump
Displacement	25	3.8
Flange	42	Ø32 BH right rotation
Shaft	D	CFP02 - Milled shank ø10 - thk.5
Body IN	B	inlet - 3/8" GAS
Body OUT	B	outlet - 3/8" GAS
Cover	A	ø25,5 female cover for left multiple pump element



XT119

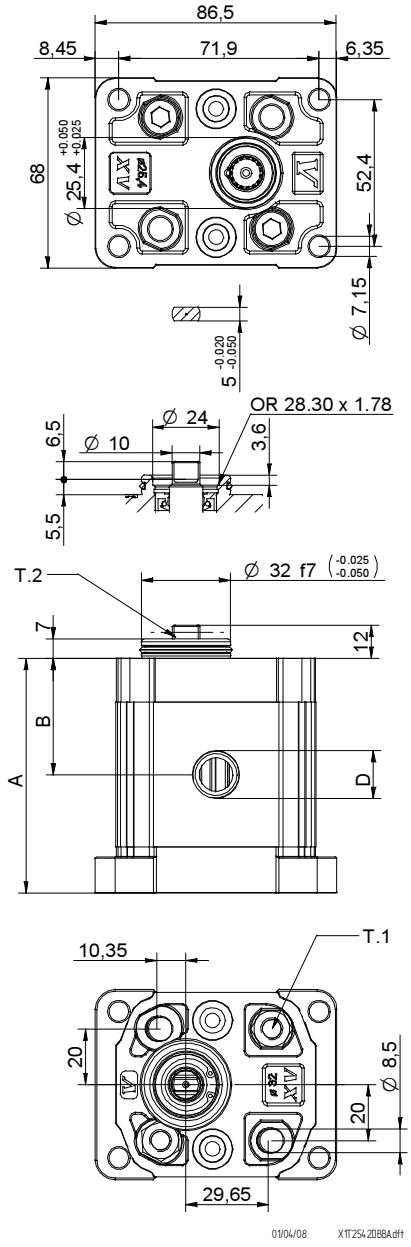
Technical data table

TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation							
X1T/0.9	0,91	240	280	X	1	T	16	41	D	B	B	A	X	1	T	16	42	D	B	B	A
X1T/1.2	1,17	250	290	X	1	T	17	41	D	B	B	A	X	1	T	17	42	D	B	B	A
X1T/1.7	1,56	250	290	X	1	T	18	41	D	B	B	A	X	1	T	18	42	D	B	B	A
X1T/2.2	2,08	250	290	X	1	T	20	41	D	B	B	A	X	1	T	20	42	D	B	B	A
X1T/2.6	2,60	250	300	X	1	T	21	41	D	B	B	A	X	1	T	21	42	D	B	B	A
X1T/3.2	3,12	250	300	X	1	T	23	41	D	B	B	A	X	1	T	23	42	D	B	B	A
X1T/3.8	3,64	250	300	X	1	T	25	41	D	B	B	A	X	1	T	25	42	D	B	B	A
X1T/4.3	4,16	250	300	X	1	T	27	41	D	B	B	A	X	1	T	27	42	D	B	B	A
X1T/4.9	4,94	250	300	X	1	T	29	41	D	B	B	A	X	1	T	29	42	D	B	B	A
X1T/5.9	5,85	250	300	X	1	T	31	41	D	B	B	A	X	1	T	31	42	D	B	B	A
X1T/6.5	6,50	250	300	X	1	T	32	41	D	B	B	A	X	1	T	32	42	D	B	B	A
X1T/7.8	7,54	220	260	X	1	T	34	41	D	B	B	A	X	1	T	34	42	D	B	B	A
X1T/9.8	9,88	190	230	X	1	T	36	41	D	B	B	A	X	1	T	36	42	D	B	B	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
X1T/0.9	0,950	73,5	36,3	3/8" BSPP	3/8" BSPP
X1T/1.2	0,970	74,5	36,8	3/8" BSPP	3/8" BSPP
X1T/1.7	1,010	76,0	37,5	3/8" BSPP	3/8" BSPP
X1T/2.2	1,030	78,0	38,5	3/8" BSPP	3/8" BSPP
X1T/2.6	1,060	80,0	39,5	3/8" BSPP	3/8" BSPP
X1T/3.2	1,090	82,0	40,5	3/8" BSPP	3/8" BSPP
X1T/3.8	1,120	84,0	41,5	3/8" BSPP	3/8" BSPP
X1T/4.3	1,170	86,0	42,5	3/8" BSPP	3/8" BSPP
X1T/4.9	1,200	89,0	44,0	3/8" BSPP	3/8" BSPP
X1T/5.9	1,260	92,5	45,8	3/8" BSPP	3/8" BSPP
X1T/6.5	1,300	95,0	47,0	3/8" BSPP	3/8" BSPP
X1T/7.8	1,360	99,0	49,0	3/8" BSPP	3/8" BSPP
X1T/9.8	1,500	108,0	53,5	3/8" BSPP	3/8" BSPP

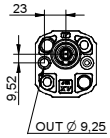
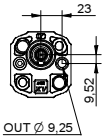
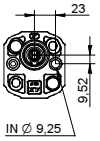
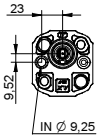
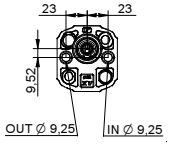
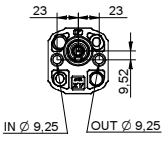


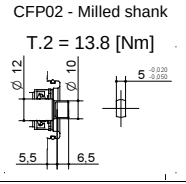
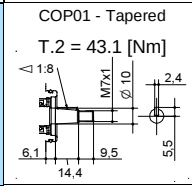
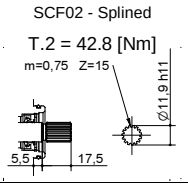
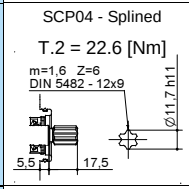
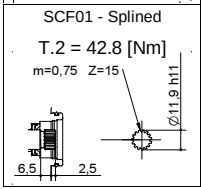
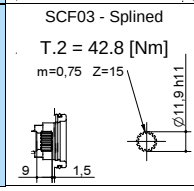
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

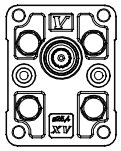
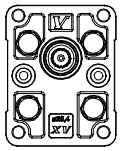
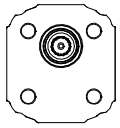
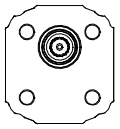
Table of variations

ø32 "BH" Body-Shaped FLANGE

X1T

ø32 "BH" Body-Shaped FLANGE			
Left rotation		Right rotation	
	41		42
	43		44
	45		46
	47		48

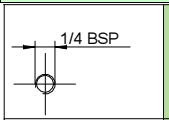
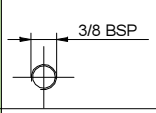
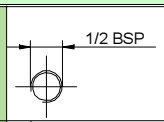
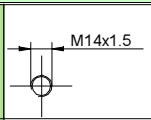
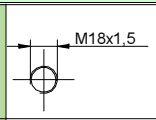
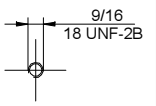
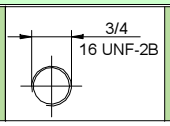
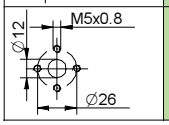
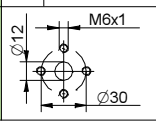
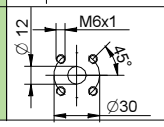
Shaft			
	D		F
	L		J
	Q		R

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1T/0.9	**16**
X1T/1.2	**17**
X1T/1.7	**18**
X1T/2.2	**20**
X1T/2.6	**21**
X1T/3.2	**23**
X1T/3.8	**25**
X1T/4.3	**27**
X1T/4.9	**29**
X1T/5.9	**31**
X1T/6.5	**32**
X1T/7.8	**34**
X1T/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G
	H		I		J	Closed Body	Z							

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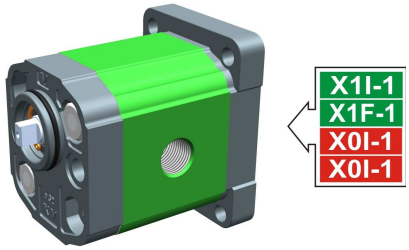
entrainment pump - series XV

"HY" DRIVING PUMP
ø32 BODY-SHAPED FLANGE - MILLED SHANK

X1T

X	1	T	25	52	D	B	B	A

Series	X	series XV
Group	1	group 1
Category	T	entrainment pump
Displacement	25	3.8
Flange	52	Ø32 HY right rotation
Shaft	D	CFP02 - Milled shank ø10 - thk.5
Body IN	B	inlet - 3/8" GAS
Body OUT	B	outlet - 3/8" GAS
Cover	A	ø25,5 female cover for left multiple pump element



XT140

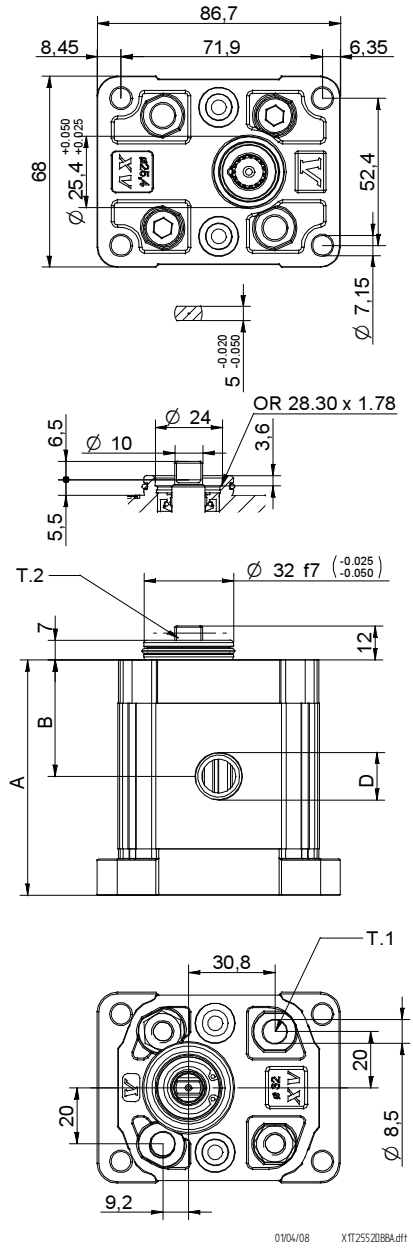
Technical data table

TYPE	Displacement	Max. Pressure		CODE													
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation					
X1T/0.9	0,91	240	280	X	1	T	16	51	D	B	B	A	X	1	T	16	52	D	B	B	A
X1T/1.2	1,17	250	290	X	1	T	17	51	D	B	B	A	X	1	T	17	52	D	B	B	A
X1T/1.7	1,56	250	290	X	1	T	18	51	D	B	B	A	X	1	T	18	52	D	B	B	A
X1T/2.2	2,08	250	290	X	1	T	20	51	D	B	B	A	X	1	T	20	52	D	B	B	A
X1T/2.6	2,60	250	300	X	1	T	21	51	D	B	B	A	X	1	T	21	52	D	B	B	A
X1T/3.2	3,12	250	300	X	1	T	23	51	D	B	B	A	X	1	T	23	52	D	B	B	A
X1T/3.8	3,64	250	300	X	1	T	25	51	D	B	B	A	X	1	T	25	52	D	B	B	A
X1T/4.3	4,16	250	300	X	1	T	27	51	D	B	B	A	X	1	T	27	52	D	B	B	A
X1T/4.9	4,94	250	300	X	1	T	29	51	D	B	B	A	X	1	T	29	52	D	B	B	A
X1T/5.9	5,85	250	300	X	1	T	31	51	D	B	B	A	X	1	T	31	52	D	B	B	A
X1T/6.5	6,50	250	300	X	1	T	32	51	D	B	B	A	X	1	T	32	52	D	B	B	A
X1T/7.8	7,54	220	260	X	1	T	34	51	D	B	B	A	X	1	T	34	52	D	B	B	A
X1T/9.8	9,88	190	230	X	1	T	36	51	D	B	B	A	X	1	T	36	52	D	B	B	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
X1T/0.9	0,950	73,5	36,3	3/8" BSPP	3/8" BSPP
X1T/1.2	0,970	74,5	36,8	3/8" BSPP	3/8" BSPP
X1T/1.7	1,010	76,0	37,5	3/8" BSPP	3/8" BSPP
X1T/2.2	1,030	78,0	38,5	3/8" BSPP	3/8" BSPP
X1T/2.6	1,060	80,0	39,5	3/8" BSPP	3/8" BSPP
X1T/3.2	1,090	82,0	40,5	3/8" BSPP	3/8" BSPP
X1T/3.8	1,120	84,0	41,5	3/8" BSPP	3/8" BSPP
X1T/4.3	1,170	86,0	42,5	3/8" BSPP	3/8" BSPP
X1T/4.9	1,200	89,0	44,0	3/8" BSPP	3/8" BSPP
X1T/5.9	1,260	92,5	45,8	3/8" BSPP	3/8" BSPP
X1T/6.5	1,300	95,0	47,0	3/8" BSPP	3/8" BSPP
X1T/7.8	1,360	99,0	49,0	3/8" BSPP	3/8" BSPP
X1T/9.8	1,500	108,0	53,5	3/8" BSPP	3/8" BSPP

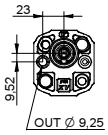
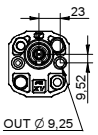
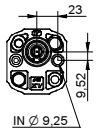
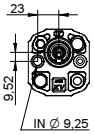
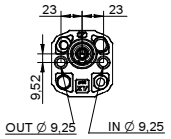
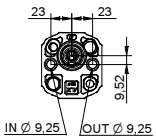


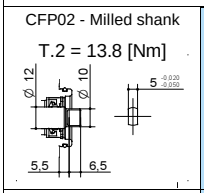
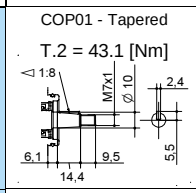
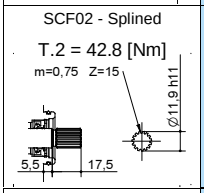
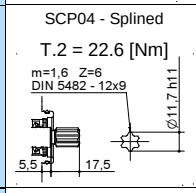
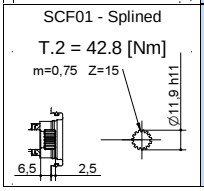
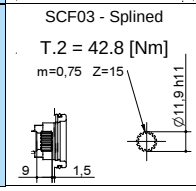
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

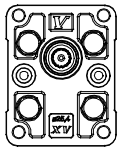
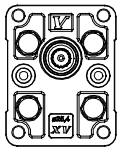
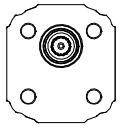
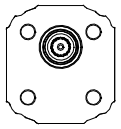
Table of variations

ø32 "HY" Body-Shaped FLANGE

X1T

ø32 "HY" Body-Shaped FLANGE			
Left rotation		Right rotation	
	51		52
	53		54
	55		56
	57		58

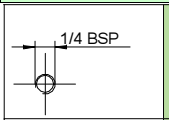
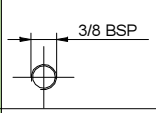
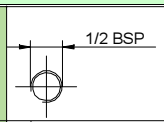
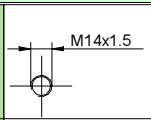
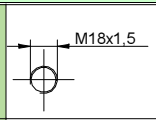
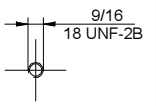
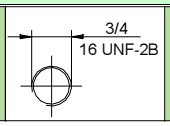
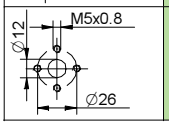
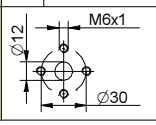
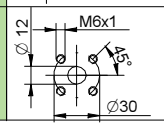
Shaft			
	D		F
	L		J
	Q		R

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1T/0.9	**16**
X1T/1.2	**17**
X1T/1.7	**18**
X1T/2.2	**20**
X1T/2.6	**21**
X1T/3.2	**23**
X1T/3.8	**25**
X1T/4.3	**27**
X1T/4.9	**29**
X1T/5.9	**31**
X1T/6.5	**32**
X1T/7.8	**34**
X1T/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
	A		B		C		D		E		F		G		
	H		I		J	Closed Body	Z								

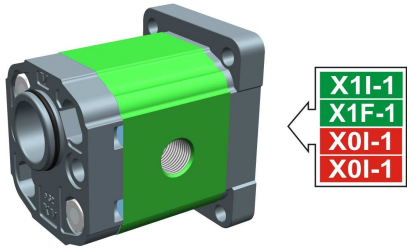
entrainment pump - series XV

"BH" GERMAN STANDARD DRIVING PUMP
ø32 BODY-SHAPED FLANGE - MILLED SHANK

X1T

X	1	T	25	32	C	B	B	A

Series		X	series XV
Group		1	group 1
Category		T	entrainment pump
Displacement		25	3.8
Flange		32	Ø32 BH GERMAN STARDARDIZED right rotation
Shaft		C	CFP01 - Milled shank ø10 - thk.5 ("BH" Standard German)
Body	IN	B	inlet - 3/8" GAS
	OUT	B	outlet - 3/8" GAS
Cover		A	ø25,5 female cover for left multiple pump element



XT161

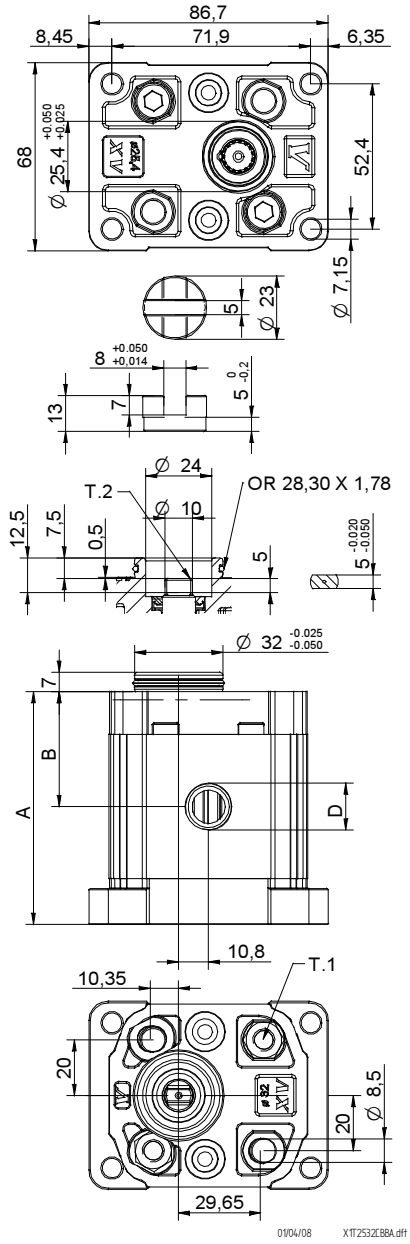
Technical data table

TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation							
X1T/0.9	0,91	240	280	X	1	T	16	31	C	B	B	A	X	1	T	16	32	C	B	B	A
X1T/1.2	1,17	250	290	X	1	T	17	31	C	B	B	A	X	1	T	17	32	C	B	B	A
X1T/1.7	1,56	250	290	X	1	T	18	31	C	B	B	A	X	1	T	18	32	C	B	B	A
X1T/2.2	2,08	250	290	X	1	T	20	31	C	B	B	A	X	1	T	20	32	C	B	B	A
X1T/2.6	2,60	250	300	X	1	T	21	31	C	B	B	A	X	1	T	21	32	C	B	B	A
X1T/3.2	3,12	250	300	X	1	T	23	31	C	B	B	A	X	1	T	23	32	C	B	B	A
X1T/3.8	3,64	250	300	X	1	T	25	31	C	B	B	A	X	1	T	25	32	C	B	B	A
X1T/4.3	4,16	250	300	X	1	T	27	31	C	B	B	A	X	1	T	27	32	C	B	B	A
X1T/4.9	4,94	250	300	X	1	T	29	31	C	B	B	A	X	1	T	29	32	C	B	B	A
X1T/5.9	5,85	250	300	X	1	T	31	31	C	B	B	A	X	1	T	31	32	C	B	B	A
X1T/6.5	6,50	250	300	X	1	T	32	31	C	B	B	A	X	1	T	32	32	C	B	B	A
X1T/7.8	7,54	220	260	X	1	T	34	31	C	B	B	A	X	1	T	34	32	C	B	B	A
X1T/9.8	9,88	190	230	X	1	T	36	31	C	B	B	A	X	1	T	36	32	C	B	B	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
X1T/0.9	0,950	73,5	36,3	3/8" BSPP	3/8" BSPP
X1T/1.2	0,970	74,5	36,8	3/8" BSPP	3/8" BSPP
X1T/1.7	1,010	76,0	37,5	3/8" BSPP	3/8" BSPP
X1T/2.2	1,030	78,0	38,5	3/8" BSPP	3/8" BSPP
X1T/2.6	1,060	80,0	39,5	3/8" BSPP	3/8" BSPP
X1T/3.2	1,090	82,0	40,5	3/8" BSPP	3/8" BSPP
X1T/3.8	1,120	84,0	41,5	3/8" BSPP	3/8" BSPP
X1T/4.3	1,170	86,0	42,5	3/8" BSPP	3/8" BSPP
X1T/4.9	1,200	89,0	44,0	3/8" BSPP	3/8" BSPP
X1T/5.9	1,260	92,5	45,8	3/8" BSPP	3/8" BSPP
X1T/6.5	1,300	95,0	47,0	3/8" BSPP	3/8" BSPP
X1T/7.8	1,360	99,0	49,0	3/8" BSPP	3/8" BSPP
X1T/9.8	1,500	108,0	53,5	3/8" BSPP	3/8" BSPP

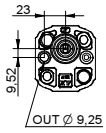
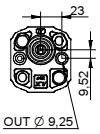
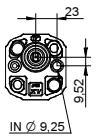
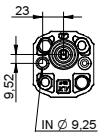
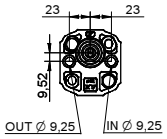
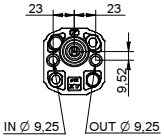


T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

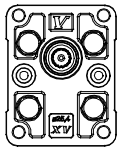
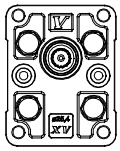
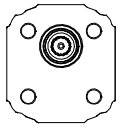
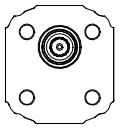
Table of variations

Standard German ø32 "BH" FLANGE

X1T

Standard German ø32 "BH" FLANGE			
Left rotation		Right rotation	
	31		32
	33		34
	35		36
	37		38

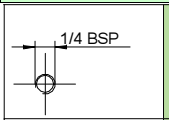
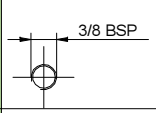
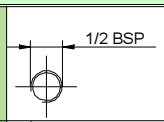
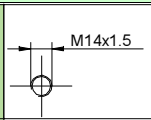
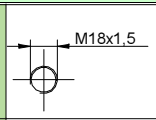
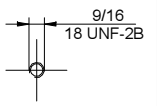
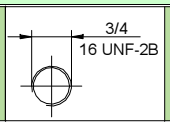
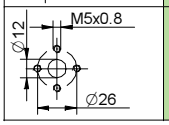
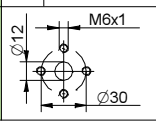
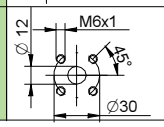
Shaft			
CFP01 - Milled shank T.2 = 13.8 [Nm]	C	SCF01 - Splined T.2 = 42.8 [Nm]	Q
SCF03 - Splined T.2 = 42.8 [Nm]	R		

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1T/0.9	**16**
X1T/1.2	**17**
X1T/1.7	**18**
X1T/2.2	**20**
X1T/2.6	**21**
X1T/3.2	**23**
X1T/3.8	**25**
X1T/4.3	**27**
X1T/4.9	**29**
X1T/5.9	**31**
X1T/6.5	**32**
X1T/7.8	**34**
X1T/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G	
	H		I		J	Closed Body	Z							

SAMT HYDRAULICS

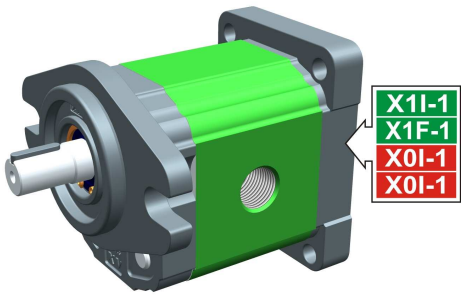
entrainment pump - series XV

"SAE AA" DRIVING PUMP

X1T

X	1	T	25	62	B	B	B	A

Series		X	series XV
Group		1	group 1
Category		T	entrainment pump
Displacement		25	3.8
Flange		62	Ø50.8 SAE AA right rotation
Shaft		B	CIP02 - Parallel ø12.7 - key thk. 3.2 (SAE AA)
Body	IN	B	inlet - 3/8" GAS
	OUT	B	outlet - 3/8" GAS
Cover		A	ø25,5 female cover for left multiple pump element



XT168

Technical data table

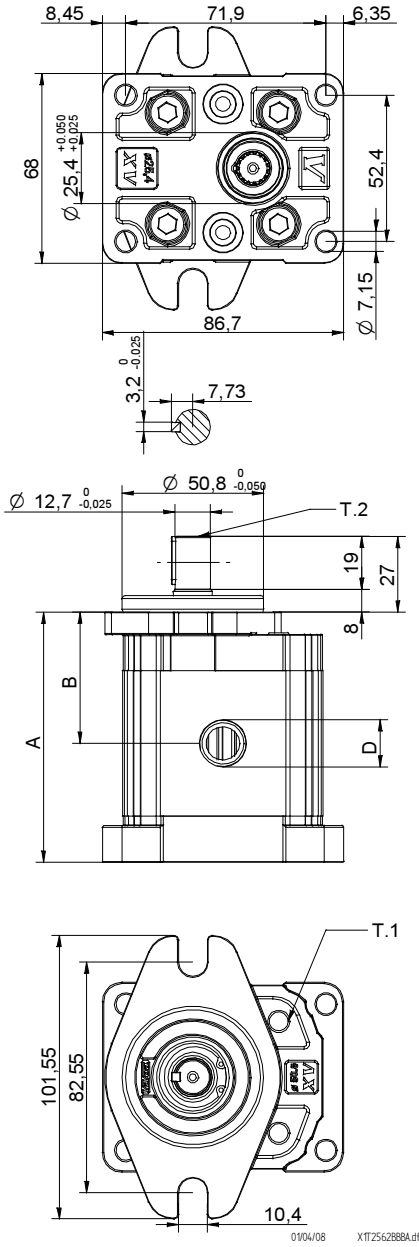
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X1T/0.9	0,91	240	280	X 1 T 16 61 B B B A	X 1 T 16 62 B B B A
X1T/1.2	1,17	250	290	X 1 T 17 61 B B B A	X 1 T 17 62 B B B A
X1T/1.7	1,56	250	290	X 1 T 18 61 B B B A	X 1 T 18 62 B B B A
X1T/2.2	2,08	250	290	X 1 T 20 61 B B B A	X 1 T 20 62 B B B A
X1T/2.6	2,60	250	300	X 1 T 21 61 B B B A	X 1 T 21 62 B B B A
X1T/3.2	3,12	250	300	X 1 T 23 61 B B B A	X 1 T 23 62 B B B A
X1T/3.8	3,64	250	300	X 1 T 25 61 B B B A	X 1 T 25 62 B B B A
X1T/4.3	4,16	250	300	X 1 T 27 61 B B B A	X 1 T 27 62 B B B A
X1T/4.9	4,94	250	300	X 1 T 29 61 B B B A	X 1 T 29 62 B B B A
X1T/5.9	5,85	250	300	X 1 T 31 61 B B B A	X 1 T 31 62 B B B A
X1T/6.5	6,50	250	300	X 1 T 32 61 B B B A	X 1 T 32 62 B B B A
X1T/7.8	7,54	220	260	X 1 T 34 61 B B B A	X 1 T 34 62 B B B A
X1T/9.8	9,88	190	230	X 1 T 36 61 B B B A	X 1 T 36 62 B B B A

P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
X1T/0.9	1,000	79,0	41,8	3/8" BSPP	3/8" BSPP
X1T/1.2	1,020	80,0	42,3	3/8" BSPP	3/8" BSPP
X1T/1.7	1,060	81,5	43,0	3/8" BSPP	3/8" BSPP
X1T/2.2	1,080	83,5	44,0	3/8" BSPP	3/8" BSPP
X1T/2.6	1,110	85,5	45,0	3/8" BSPP	3/8" BSPP
X1T/3.2	1,140	87,5	46,0	3/8" BSPP	3/8" BSPP
X1T/3.8	1,170	89,5	47,0	3/8" BSPP	3/8" BSPP
X1T/4.3	1,220	91,5	48,0	3/8" BSPP	3/8" BSPP
X1T/4.9	1,250	94,5	49,5	3/8" BSPP	3/8" BSPP
X1T/5.9	1,310	98,0	51,3	3/8" BSPP	3/8" BSPP
X1T/6.5	1,350	100,5	52,5	3/8" BSPP	3/8" BSPP
X1T/7.8	1,410	104,5	54,5	3/8" BSPP	3/8" BSPP
X1T/9.8	1,550	113,5	59,0	3/8" BSPP	3/8" BSPP



T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8

T.2 = 32.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

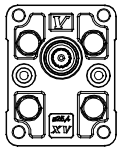
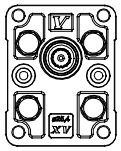
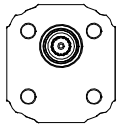
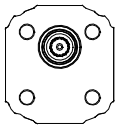
Table of variations

ø50.8 FLANGE "SAE AA"

X1T

ø50.8 FLANGE "SAE AA"			
Left rotation		Right rotation	
	61		62

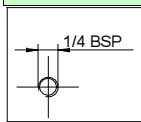
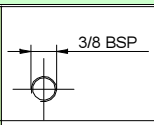
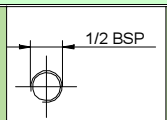
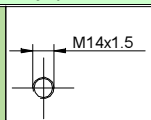
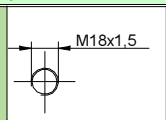
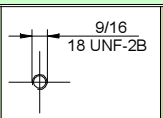
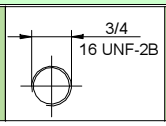
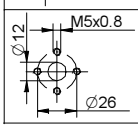
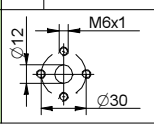
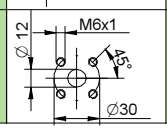
Shaft			
CIP01 - Parallel T.2 = 25.8 [Nm]	A	CIP02 - Parallel T.2 = 32.8 [Nm]	B
CFP03 - Milled shank T.2 = 25.9 [Nm]	E	COP02 - Tapered T.2 =.119.8 [Nm]	G
CO004 - Tapered T.2 = 90.4 [Nm]	I	SCF05 - Splined T.2 = 32.2 [Nm]	K
COP02+HK - Tapered T.2 = 119.8 [Nm]	O	CI001+HK - Parallel T.2 = 25.8 [Nm]	P

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1T/0.9	**16**
X1T/1.2	**17**
X1T/1.7	**18**
X1T/2.2	**20**
X1T/2.6	**21**
X1T/3.2	**23**
X1T/3.8	**25**
X1T/4.3	**27**
X1T/4.9	**29**
X1T/5.9	**31**
X1T/6.5	**32**
X1T/7.8	**34**
X1T/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
 1/4 BSP	A	 3/8 BSP	B	 1/2 BSP	C	 M14x1.5	D	 M18x1,5	E	 9/16 18 UNF-2B	F	 3/4 16 UNF-2B	G
 M5x0.8	H	 M6x1	I	 M6x1	J	Closed Body	Z							

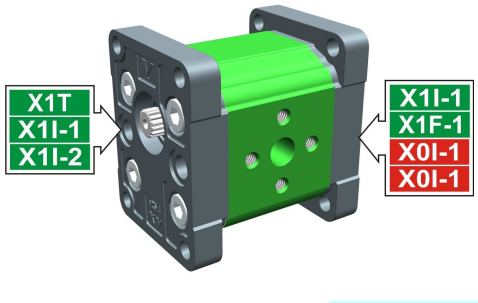
intermediate pump - series XV

STANDARD INTERMEDIATE PUMP
FEMALE ø25,4 FLANGE

X1I-1

X	1	I	25	72	S	I	I	A

Series		X	series XV
Group		1	group 1
Category		I	intermediate pump
Displacement		25	3.8
Flange		72	Ø25.4 female right rotation 1P+1P
Shaft		S	SCI01 - Intermediate
Body	IN	I	inlet - Ø30 Ø12 M6
	OUT	I	outlet - Ø30 Ø12 M6
Cover		A	ø25,5 female cover for left multiple pump element



XI101

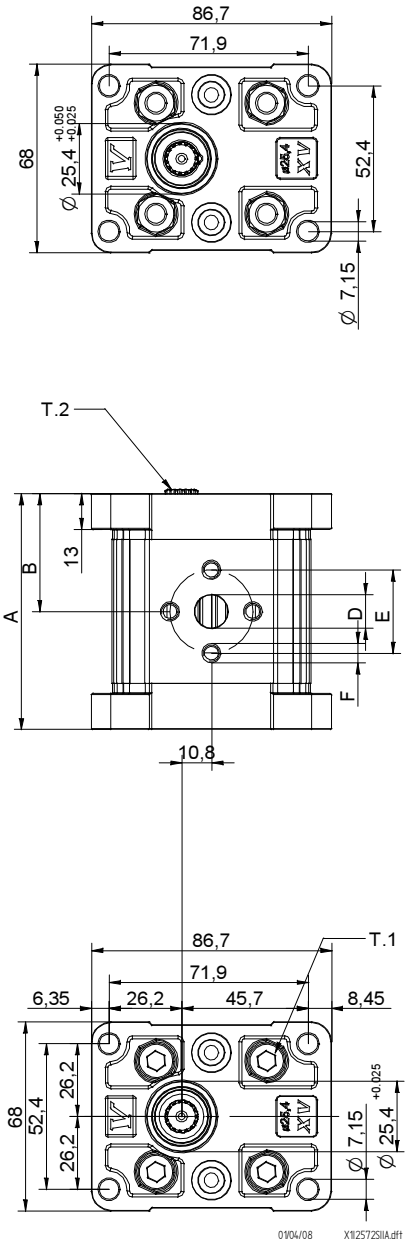
Technical data table

TYPE	Displacement	Max. Pressure	CODE																	
	cm3/rev	P1 bar	P3 bar	Left rotation									Right rotation							
X1I-1/0.9	0,91	240	280	X	1	I	16	71	S	I	I	A	X	1	I	16	72	S	I	I	A
X1I-1/1.2	1,17	250	290	X	1	I	17	71	S	I	I	A	X	1	I	17	72	S	I	I	A
X1I-1/1.7	1,56	250	290	X	1	I	18	71	S	I	I	A	X	1	I	18	72	S	I	I	A
X1I-1/2.2	2,08	250	290	X	1	I	20	71	S	I	I	A	X	1	I	20	72	S	I	I	A
X1I-1/2.6	2,60	250	300	X	1	I	21	71	S	I	I	A	X	1	I	21	72	S	I	I	A
X1I-1/3.2	3,12	250	300	X	1	I	23	71	S	I	I	A	X	1	I	23	72	S	I	I	A
X1I-1/3.8	3,64	250	300	X	1	I	25	71	S	I	I	A	X	1	I	25	72	S	I	I	A
X1I-1/4.3	4,16	250	300	X	1	I	27	71	S	I	I	A	X	1	I	27	72	S	I	I	A
X1I-1/4.9	4,94	250	300	X	1	I	29	71	S	I	I	A	X	1	I	29	72	S	I	I	A
X1I-1/5.9	5,85	250	300	X	1	I	31	71	S	I	I	A	X	1	I	31	72	S	I	I	A
X1I-1/6.5	6,50	250	300	X	1	I	32	71	S	I	I	A	X	1	I	32	72	S	I	I	A
X1I-1/7.8	7,54	220	260	X	1	I	34	71	S	I	I	A	X	1	I	34	72	S	I	I	A
X1I-1/9.8	9,88	190	230	X	1	I	36	71	S	I	I	A	X	1	I	36	72	S	I	I	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1I-1/0.9	0,950	74,5	37,3	ø12	30	M6x1	ø12	30	M6x1
X1I-1/1.2	0,970	75,5	37,8	ø12	30	M6x1	ø12	30	M6x1
X1I-1/1.7	1,010	77,0	38,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/2.2	1,030	79,0	39,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/2.6	1,060	81,0	40,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/3.2	1,090	83,0	41,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/3.8	1,120	85,0	42,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/4.3	1,170	87,0	43,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/4.9	1,200	90,0	45,0	ø12	30	M6x1	ø12	30	M6x1
X1I-1/5.9	1,260	93,5	46,8	ø12	30	M6x1	ø12	30	M6x1
X1I-1/6.5	1,300	96,0	48,0	ø12	30	M6x1	ø12	30	M6x1
X1I-1/7.8	1,360	100,0	50,0	ø12	30	M6x1	ø12	30	M6x1
X1I-1/9.8	1,500	109,0	54,5	ø12	30	M6x1	ø12	30	M6x1



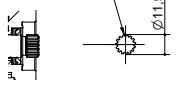
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 42.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

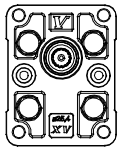
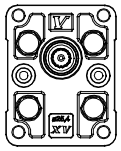
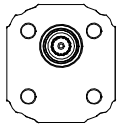
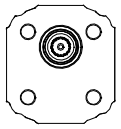
Table of variations

Standard female ø25,4 FLANGE

X1I-1

Standard female ø25,4 FLANGE			
Left rotation		Right rotation	
	71		72

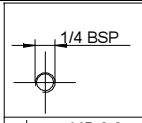
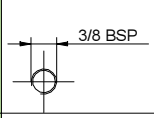
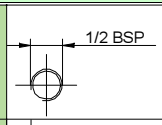
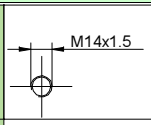
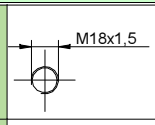
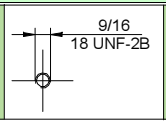
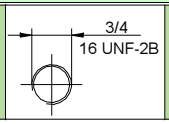
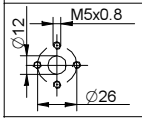
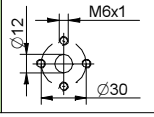
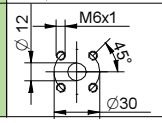
Shaft	
SCI01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	S

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1I-1/0.9	**16**
X1I-1/1.2	**17**
X1I-1/1.7	**18**
X1I-1/2.2	**20**
X1I-1/2.6	**21**
X1I-1/3.2	**23**
X1I-1/3.8	**25**
X1I-1/4.3	**27**
X1I-1/4.9	**29**
X1I-1/5.9	**31**
X1I-1/6.5	**32**
X1I-1/7.8	**34**
X1I-1/9.8	**36**

Standard bodies				
Displacement cm3/rev	Standard threads			
0.9	I - I	B - B	J - J	G - F
1.2	I - I	B - B	J - J	G - F
1.7	I - I	B - B	J - J	G - F
2.2	I - I	B - B	J - J	G - F
2.6	I - I	B - B	J - J	G - F
3.2	I - I	B - B	J - J	G - F
3.8	I - I	B - B	J - J	G - F
4.3	I - I	B - B	J - J	G - F
4.9	I - I	B - B	J - J	G - F
5.9	I - I	B - B	J - J	G - F
6.5	I - I	B - B	J - J	G - F
7.8	I - I	B - B	J - J	G - F
9.8	I - I	B - B	J - J	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
 1/4 BSP	A	 3/8 BSP	B	 1/2 BSP	C	 M14x1.5	D	 M18x1,5	E	 9/16 18 UNF-2B	F	 3/4 16 UNF-2B	G		
 M5x0.8 Ø12 Ø26	H	 M6x1 Ø12 Ø30	I	 M6x1 Ø12 45° Ø30	J	Closed Body	Z								

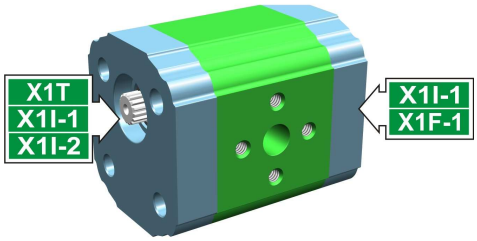
intermediate pump - series XV

SHAPED INTERMEDIATE PUMP
SHAPED FEMALE ø25,4 FLANGE

X1I-1

X	1	I	25	74	S	I	I	D

Series		X	series XV
Group		1	group 1
Category		I	intermediate pump
Displacement		25	3.8
Flange		74	Ø25.4 body-shaped female right rotation 1P+0P
Shaft		S	SCI01 - Intermediate
Body	IN	I	inlet - Ø30 Ø12 M6
	OUT	I	outlet - Ø30 Ø12 M6
Cover		D	ø25,5 body-shaped female cover for left multiple pump element



XI102

Technical data table

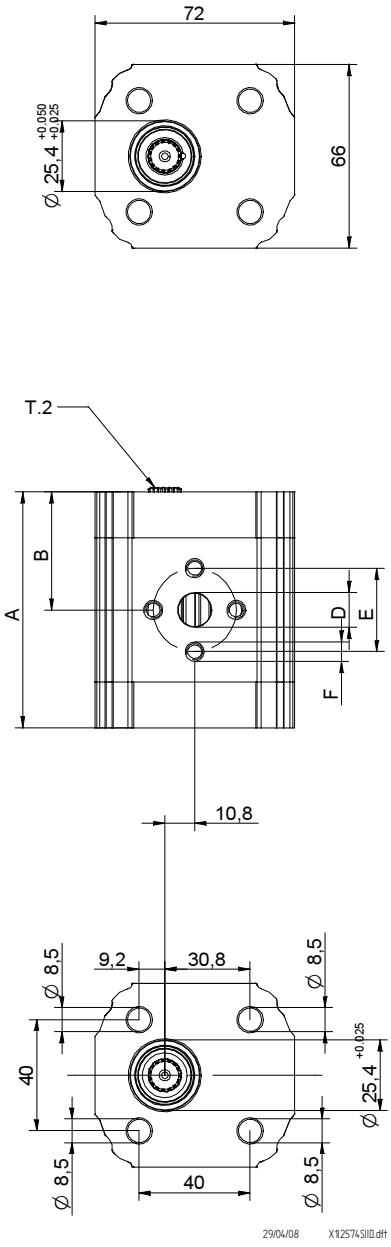
TYPE	Displacement	Max. Pressure	CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation									Right rotation								
X1I-1/0.9	0,91	240	280	X	1	I	16	73	S	I	I	A	X	1	I	16	74	S	I	I	A
X1I-1/1.2	1,17	250	290	X	1	I	17	73	S	I	I	A	X	1	I	17	74	S	I	I	A
X1I-1/1.7	1,56	250	290	X	1	I	18	73	S	I	I	A	X	1	I	18	74	S	I	I	A
X1I-1/2.2	2,08	250	290	X	1	I	20	73	S	I	I	A	X	1	I	20	74	S	I	I	A
X1I-1/2.6	2,60	250	300	X	1	I	21	73	S	I	I	A	X	1	I	21	74	S	I	I	A
X1I-1/3.2	3,12	250	300	X	1	I	23	73	S	I	I	A	X	1	I	23	74	S	I	I	A
X1I-1/3.8	3,64	250	300	X	1	I	25	73	S	I	I	A	X	1	I	25	74	S	I	I	A
X1I-1/4.3	4,16	250	300	X	1	I	27	73	S	I	I	A	X	1	I	27	74	S	I	I	A
X1I-1/4.9	4,94	250	300	X	1	I	29	73	S	I	I	A	X	1	I	29	74	S	I	I	A
X1I-1/5.9	5,85	250	300	X	1	I	31	73	S	I	I	A	X	1	I	31	74	S	I	I	A
X1I-1/6.5	6,50	250	300	X	1	I	32	73	S	I	I	A	X	1	I	32	74	S	I	I	A
X1I-1/7.8	7,54	220	260	X	1	I	34	73	S	I	I	A	X	1	I	34	74	S	I	I	A
X1I-1/9.8	9,88	190	230	X	1	I	36	73	S	I	I	A	X	1	I	36	74	S	I	I	A

P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1I-1/0.9	0,950	74,5	37,3	ø12	30	M6x1	ø12	30	M6x1
X1I-1/1.2	0,970	75,5	37,8	ø12	30	M6x1	ø12	30	M6x1
X1I-1/1.7	1,010	77,0	38,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/2.2	1,030	79,0	39,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/2.6	1,060	81,0	40,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/3.2	1,090	83,0	41,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/3.8	1,120	85,0	42,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/4.3	1,170	87,0	43,5	ø12	30	M6x1	ø12	30	M6x1
X1I-1/4.9	1,200	90,0	45,0	ø12	30	M6x1	ø12	30	M6x1
X1I-1/5.9	1,260	93,5	46,8	ø12	30	M6x1	ø12	30	M6x1
X1I-1/6.5	1,300	96,0	48,0	ø12	30	M6x1	ø12	30	M6x1
X1I-1/7.8	1,360	100,0	50,0	ø12	30	M6x1	ø12	30	M6x1
X1I-1/9.8	1,500	109,0	54,5	ø12	30	M6x1	ø12	30	M6x1

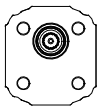
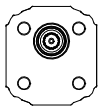


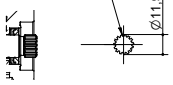
T.2 = 42.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

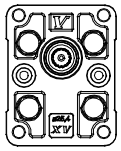
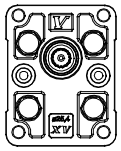
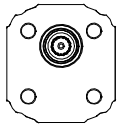
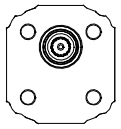
Table of variations

Shaped female ø25,4 FLANGE

X1I-1

Shaped female ø25,4 FLANGE			
Left rotation		Right rotation	
	73		74

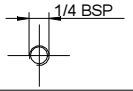
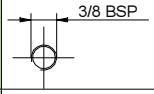
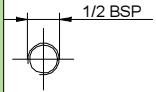
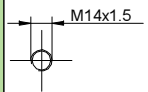
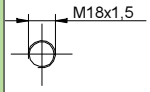
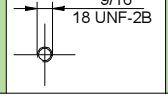
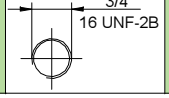
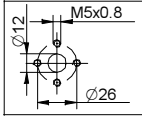
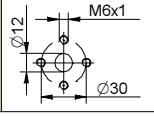
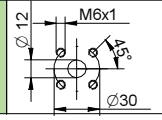
Shaft	
SCI01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	S

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1I-1/0.9	**16**
X1I-1/1.2	**17**
X1I-1/1.7	**18**
X1I-1/2.2	**20**
X1I-1/2.6	**21**
X1I-1/3.2	**23**
X1I-1/3.8	**25**
X1I-1/4.3	**27**
X1I-1/4.9	**29**
X1I-1/5.9	**31**
X1I-1/6.5	**32**
X1I-1/7.8	**34**
X1I-1/9.8	**36**

Standard bodies				
Displacement cm3/rev	Standard threads			
0.9	I - I	B - B	J - J	G - F
1.2	I - I	B - B	J - J	G - F
1.7	I - I	B - B	J - J	G - F
2.2	I - I	B - B	J - J	G - F
2.6	I - I	B - B	J - J	G - F
3.2	I - I	B - B	J - J	G - F
3.8	I - I	B - B	J - J	G - F
4.3	I - I	B - B	J - J	G - F
4.9	I - I	B - B	J - J	G - F
5.9	I - I	B - B	J - J	G - F
6.5	I - I	B - B	J - J	G - F
7.8	I - I	B - B	J - J	G - F
9.8	I - I	B - B	J - J	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
 1/4 BSP	A	 3/8 BSP	B	 1/2 BSP	C	 M14x1.5	D	 M18x1,5	E	 9/16 18 UNF-2B	F	 3/4 16 UNF-2B	G		
 M5x0.8 Ø12 Ø26	H	 M6x1 Ø12 Ø30	I	 M6x1 Ø12 45° Ø30	J	Closed Body	Z								

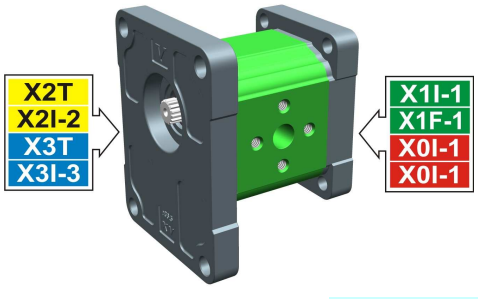
intermediate pump - series XV

INTERMEDIATE PUMP TO BE COUPLED WITH XV2
FEMALE ø36,5 FLANGE

X1I-2

X	1	I	25	82	S	I	I	A

Series	X	series XV
Group	1	group 1
Category	I	intermediate pump
Displacement	25	3.8
Flange	82	Ø36.5 female right rotation 2P+1P, 3P+1P
Shaft	S	SCI01 - Intermediate
Body IN	I	inlet - Ø30 Ø12 M6
Body OUT	I	outlet - Ø30 Ø12 M6
Cover	A	ø25,5 female cover for left multiple pump element

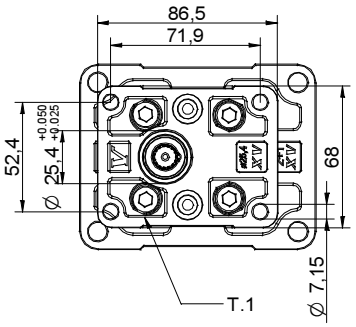


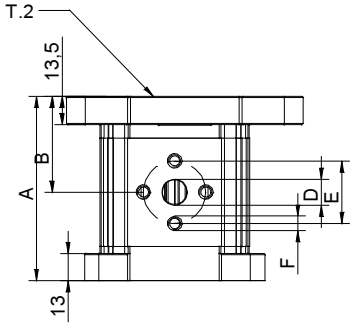
XI103

Technical data table

TYPE	Displacement	Max. Pressure	CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation									Right rotation								
X1I-2/0.9	0,91	240	280	X	1	I	16	81	S	I	I	A	X	1	I	16	82	S	I	I	A
X1I-2/1.2	1,17	250	290	X	1	I	17	81	S	I	I	A	X	1	I	17	82	S	I	I	A
X1I-2/1.7	1,56	250	290	X	1	I	18	81	S	I	I	A	X	1	I	18	82	S	I	I	A
X1I-2/2.2	2,08	250	290	X	1	I	20	81	S	I	I	A	X	1	I	20	82	S	I	I	A
X1I-2/2.6	2,60	250	300	X	1	I	21	81	S	I	I	A	X	1	I	21	82	S	I	I	A
X1I-2/3.2	3,12	250	300	X	1	I	23	81	S	I	I	A	X	1	I	23	82	S	I	I	A
X1I-2/3.8	3,64	250	300	X	1	I	25	81	S	I	I	A	X	1	I	25	82	S	I	I	A
X1I-2/4.3	4,16	250	300	X	1	I	27	81	S	I	I	A	X	1	I	27	82	S	I	I	A
X1I-2/4.9	4,94	250	300	X	1	I	29	81	S	I	I	A	X	1	I	29	82	S	I	I	A
X1I-2/5.9	5,85	250	300	X	1	I	31	81	S	I	I	A	X	1	I	31	82	S	I	I	A
X1I-2/6.5	6,50	250	300	X	1	I	32	81	S	I	I	A	X	1	I	32	82	S	I	I	A
X1I-2/7.8	7,54	220	260	X	1	I	34	81	S	I	I	A	X	1	I	34	82	S	I	I	A
X1I-2/9.8	9,88	190	230	X	1	I	36	81	S	I	I	A	X	1	I	36	82	S	I	I	A

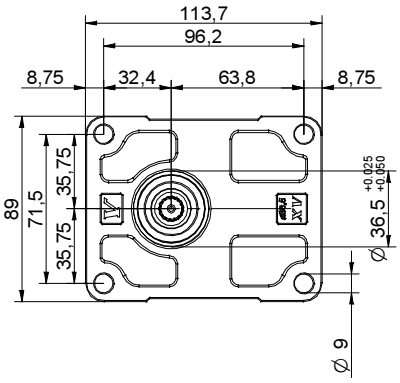
P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft





Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1I-2/0.9	0,950	78,0	40,8	ø12	30	M6x1	ø12	30	M6x1
X1I-2/1.2	0,970	79,0	41,3	ø12	30	M6x1	ø12	30	M6x1
X1I-2/1.7	1,010	80,5	42,0	ø12	30	M6x1	ø12	30	M6x1
X1I-2/2.2	1,030	82,5	43,0	ø12	30	M6x1	ø12	30	M6x1
X1I-2/2.6	1,060	84,5	44,0	ø12	30	M6x1	ø12	30	M6x1
X1I-2/3.2	1,090	86,5	45,0	ø12	30	M6x1	ø12	30	M6x1
X1I-2/3.8	1,120	88,5	46,0	ø12	30	M6x1	ø12	30	M6x1
X1I-2/4.3	1,170	90,5	47,0	ø12	30	M6x1	ø12	30	M6x1
X1I-2/4.9	1,200	93,5	48,5	ø12	30	M6x1	ø12	30	M6x1
X1I-2/5.9	1,260	97,0	50,3	ø12	30	M6x1	ø12	30	M6x1
X1I-2/6.5	1,300	99,5	51,5	ø12	30	M6x1	ø12	30	M6x1
X1I-2/7.8	1,360	103,5	53,5	ø12	30	M6x1	ø12	30	M6x1
X1I-2/9.8	1,500	112,5	58,0	ø12	30	M6x1	ø12	30	M6x1



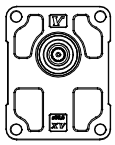
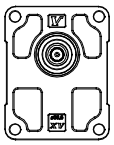
01/04/08 X1I2582SIIA.dft

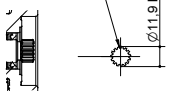
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 42.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

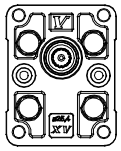
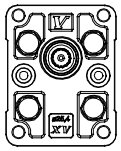
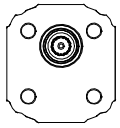
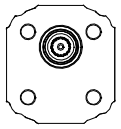
Table of variations

Female ø36.5 FLANGE

X1I-2

Female ø36.5 FLANGE			
Left rotation		Right rotation	
	81		82

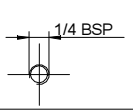
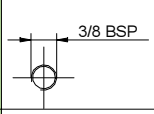
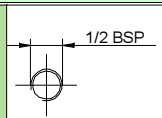
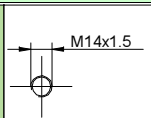
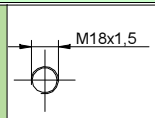
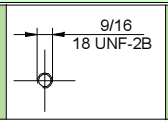
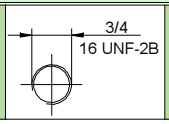
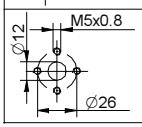
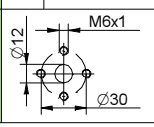
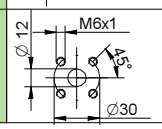
Shaft	
SCI01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	S

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X1I-2/0.9	**16**
X1I-2/1.2	**17**
X1I-2/1.7	**18**
X1I-2/2.2	**20**
X1I-2/2.6	**21**
X1I-2/3.2	**23**
X1I-2/3.8	**25**
X1I-2/4.3	**27**
X1I-2/4.9	**29**
X1I-2/5.9	**31**
X1I-2/6.5	**32**
X1I-2/7.8	**34**
X1I-2/9.8	**36**

Standard bodies				
Displacement cm3/rev	Standard threads			
0.9	I - I	B - B	J - J	G - F
1.2	I - I	B - B	J - J	G - F
1.7	I - I	B - B	J - J	G - F
2.2	I - I	B - B	J - J	G - F
2.6	I - I	B - B	J - J	G - F
3.2	I - I	B - B	J - J	G - F
3.8	I - I	B - B	J - J	G - F
4.3	I - I	B - B	J - J	G - F
4.9	I - I	B - B	J - J	G - F
5.9	I - I	B - B	J - J	G - F
6.5	I - I	B - B	J - J	G - F
7.8	I - I	B - B	J - J	G - F
9.8	I - I	B - B	J - J	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
 1/4 BSP	A	 3/8 BSP	B	 1/2 BSP	C	 M14x1.5	D	 M18x1,5	E	 9/16 18 UNF-2B	F	 3/4 16 UNF-2B	G
 M5x0.8 Ø12 Ø26	H	 M6x1 Ø12 Ø30	I	 M6x1 Ø12 45° Ø30	J	Closed Body	Z								

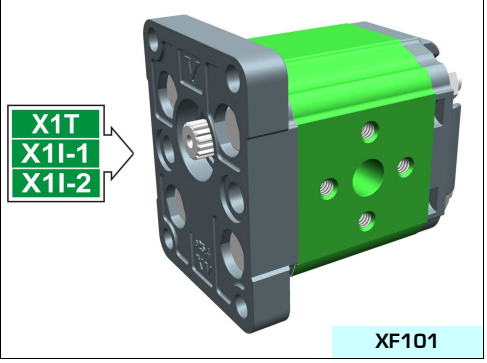
final pump - series XV

STANDARD FINAL PUMP
FEMALE ø25,4 FLANGE

X1F-1

X	1	F	25	72	T	I	I	A

Series		X	series XV
Group		1	group 1
Category		F	final pump
Displacement		25	3.8
Flange		72	Ø25.4 female right rotation 1P+1P
Shaft		T	SCF01 - Final
Body	IN	I	inlet - Ø30 Ø12 M6
	OUT	I	outlet - Ø30 Ø12 M6
Cover		A	standard



XF101

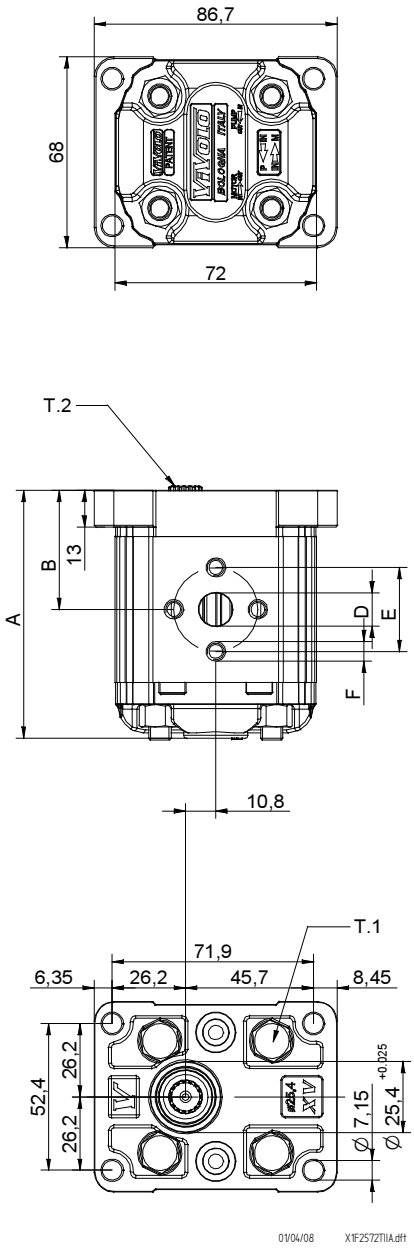
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X1F-1/0.9	0,91	240	280	X 1 F 16 71 T I I A	X 1 F 16 72 T I I A
X1F-1/1.2	1,17	250	290	X 1 F 17 71 T I I A	X 1 F 17 72 T I I A
X1F-1/1.7	1,56	250	290	X 1 F 18 71 T I I A	X 1 F 18 72 T I I A
X1F-1/2.2	2,08	250	290	X 1 F 20 71 T I I A	X 1 F 20 72 T I I A
X1F-1/2.6	2,60	250	300	X 1 F 21 71 T I I A	X 1 F 21 72 T I I A
X1F-1/3.2	3,12	250	300	X 1 F 23 71 T I I A	X 1 F 23 72 T I I A
X1F-1/3.8	3,64	250	300	X 1 F 25 71 T I I A	X 1 F 25 72 T I I A
X1F-1/4.3	4,16	250	300	X 1 F 27 71 T I I A	X 1 F 27 72 T I I A
X1F-1/4.9	4,94	250	300	X 1 F 29 71 T I I A	X 1 F 29 72 T I I A
X1F-1/5.9	5,85	250	300	X 1 F 31 71 T I I A	X 1 F 31 72 T I I A
X1F-1/6.5	6,50	250	300	X 1 F 32 71 T I I A	X 1 F 32 72 T I I A
X1F-1/7.8	7,54	220	260	X 1 F 34 71 T I I A	X 1 F 34 72 T I I A
X1F-1/9.8	9,88	190	230	X 1 F 36 71 T I I A	X 1 F 36 72 T I I A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1F-1/0.9	0,950	78,0	37,3	ø12	30	M6x1	ø12	30	M6x1
X1F-1/1.2	0,970	79,0	37,8	ø12	30	M6x1	ø12	30	M6x1
X1F-1/1.7	1,010	80,5	38,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/2.2	1,030	82,5	39,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/2.6	1,060	84,5	40,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/3.2	1,090	86,5	41,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/3.8	1,120	88,5	42,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/4.3	1,170	90,5	43,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/4.9	1,200	93,5	45,0	ø12	30	M6x1	ø12	30	M6x1
X1F-1/5.9	1,260	97,0	46,8	ø12	30	M6x1	ø12	30	M6x1
X1F-1/6.5	1,300	99,5	48,0	ø12	30	M6x1	ø12	30	M6x1
X1F-1/7.8	1,360	103,5	50,0	ø12	30	M6x1	ø12	30	M6x1
X1F-1/9.8	1,500	112,5	54,5	ø12	30	M6x1	ø12	30	M6x1



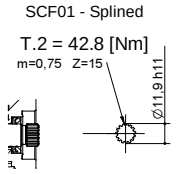
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 42.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

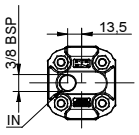
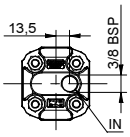
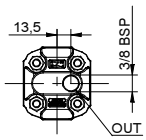
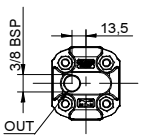
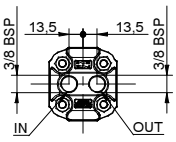
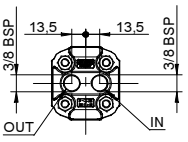
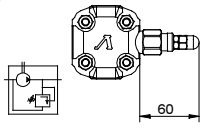
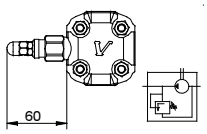
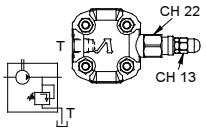
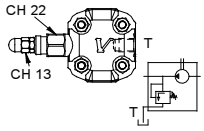
Table of variations

Standard female ø25,4 FLANGE

X1F-1

Standard female ø25,4 FLANGE			
Left rotation		Right rotation	
	71		72

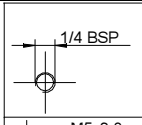
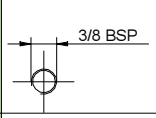
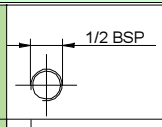
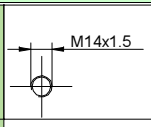
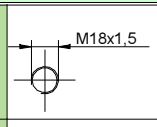
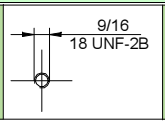
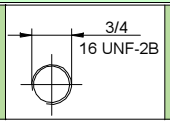
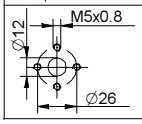
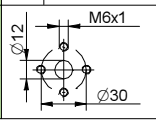
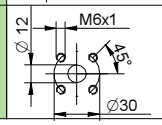
Shaft	
	T

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
	 Internal drainage	N
	 External drainage	O

Displacement	
TYPE	CODE
X1F-1/0.9	**16**
X1F-1/1.2	**17**
X1F-1/1.7	**18**
X1F-1/2.2	**20**
X1F-1/2.6	**21**
X1F-1/3.2	**23**
X1F-1/3.8	**25**
X1F-1/4.3	**27**
X1F-1/4.9	**29**
X1F-1/5.9	**31**
X1F-1/6.5	**32**
X1F-1/7.8	**34**
X1F-1/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G
	H		I		J	Closed Body	Z							

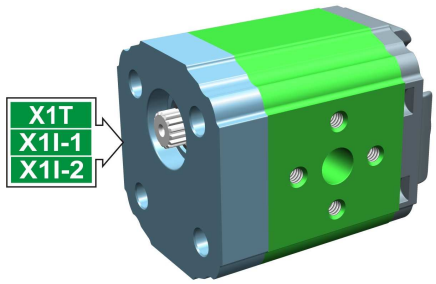
final pump - series XV

SHAPED FINAL PUMP
SHAPED FEMALE ø25,4 FLANGE

X1F-1

X	1	F	25	74	T	I	I	A

Series		X	series XV
Group		1	group 1
Category		F	final pump
Displacement		25	3.8
Flange		74	Ø25.4 body-shaped female right rotation 1P+0P
Shaft		T	SCF01 - Final
Body	IN	I	inlet - Ø30 Ø12 M6
	OUT	I	outlet - Ø30 Ø12 M6
Cover		A	standard



XF102

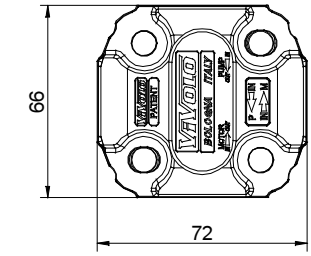
Technical data table

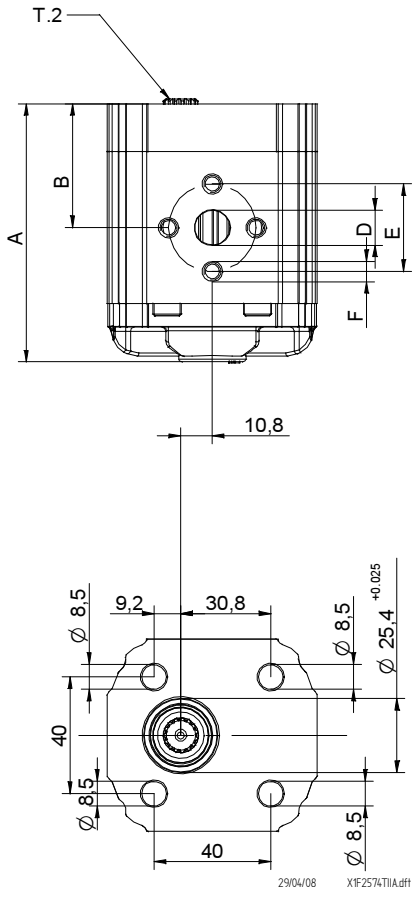
TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation									Right rotation						
X1F-1/0.9	0,91	240	280	X	1	F	16	73	T	I	I	A	X	1	F	16	74	T	I	I	A
X1F-1/1.2	1,17	250	290	X	1	F	17	73	T	I	I	A	X	1	F	17	74	T	I	I	A
X1F-1/1.7	1,56	250	290	X	1	F	18	73	T	I	I	A	X	1	F	18	74	T	I	I	A
X1F-1/2.2	2,08	250	290	X	1	F	20	73	T	I	I	A	X	1	F	20	74	T	I	I	A
X1F-1/2.6	2,60	250	300	X	1	F	21	73	T	I	I	A	X	1	F	21	74	T	I	I	A
X1F-1/3.2	3,12	250	300	X	1	F	23	73	T	I	I	A	X	1	F	23	74	T	I	I	A
X1F-1/3.8	3,64	250	300	X	1	F	25	73	T	I	I	A	X	1	F	25	74	T	I	I	A
X1F-1/4.3	4,16	250	300	X	1	F	27	73	T	I	I	A	X	1	F	27	74	T	I	I	A
X1F-1/4.9	4,94	250	300	X	1	F	29	73	T	I	I	A	X	1	F	29	74	T	I	I	A
X1F-1/5.9	5,85	250	300	X	1	F	31	73	T	I	I	A	X	1	F	31	74	T	I	I	A
X1F-1/6.5	6,50	250	300	X	1	F	32	73	T	I	I	A	X	1	F	32	74	T	I	I	A
X1F-1/7.8	7,54	220	260	X	1	F	34	73	T	I	I	A	X	1	F	34	74	T	I	I	A
X1F-1/9.8	9,88	190	230	X	1	F	36	73	T	I	I	A	X	1	F	36	74	T	I	I	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1F-1/0.9	0,950	78,0	37,3	ø12	30	M6x1	ø12	30	M6x1
X1F-1/1.2	0,970	79,0	37,8	ø12	30	M6x1	ø12	30	M6x1
X1F-1/1.7	1,010	80,5	38,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/2.2	1,030	82,5	39,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/2.6	1,060	84,5	40,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/3.2	1,090	86,5	41,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/3.8	1,120	88,5	42,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/4.3	1,170	90,5	43,5	ø12	30	M6x1	ø12	30	M6x1
X1F-1/4.9	1,200	93,5	45,0	ø12	30	M6x1	ø12	30	M6x1
X1F-1/5.9	1,260	97,0	46,8	ø12	30	M6x1	ø12	30	M6x1
X1F-1/6.5	1,300	99,5	48,0	ø12	30	M6x1	ø12	30	M6x1
X1F-1/7.8	1,360	103,5	50,0	ø12	30	M6x1	ø12	30	M6x1
X1F-1/9.8	1,500	112,5	54,5	ø12	30	M6x1	ø12	30	M6x1



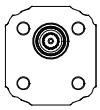
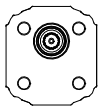


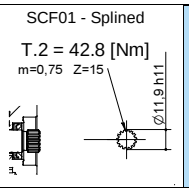
T.2 = 42.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

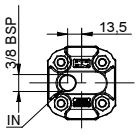
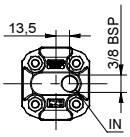
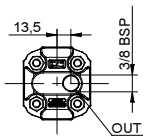
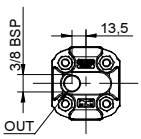
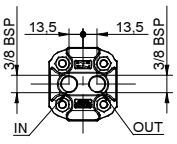
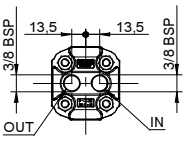
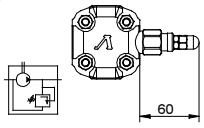
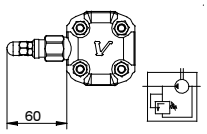
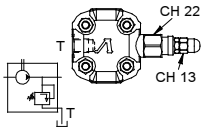
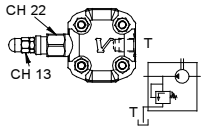
Table of variations

Shaped female ø25,4 FLANGE

X1F-1

Shaped female ø25,4 FLANGE			
Left rotation		Right rotation	
	73		74

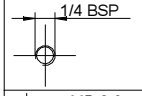
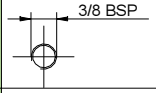
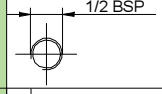
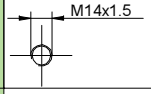
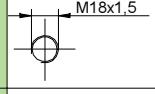
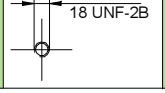
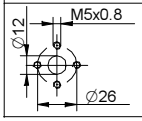
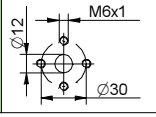
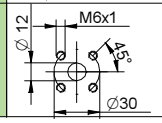
Shaft	
	T

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
	 Internal drainage	N
	 External drainage	O

Displacement	
TYPE	CODE
X1F-1/0.9	16
X1F-1/1.2	17
X1F-1/1.7	18
X1F-1/2.2	20
X1F-1/2.6	21
X1F-1/3.2	23
X1F-1/3.8	25
X1F-1/4.3	27
X1F-1/4.9	29
X1F-1/5.9	31
X1F-1/6.5	32
X1F-1/7.8	34
X1F-1/9.8	36

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G
	H		I		J	Closed Body	Z							

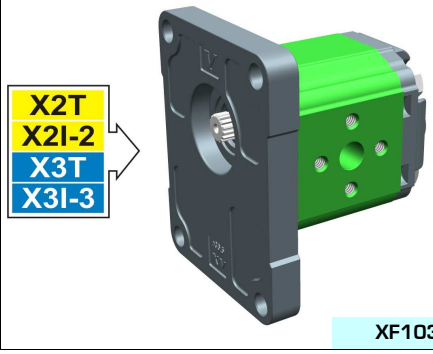
final pump - series XV

FINAL PUMP TO BE COUPLED WITH XV2
FEMALE ø36,5 FLANGE

X1F-2

X	1	F	25	82	T	I	I	A

Series	X	series XV
Group	1	group 1
Category	F	final pump
Displacement	25	3.8
Flange	82	Ø36.5 female right rotation 2P+1P, 3P+1P
Shaft	T	SCF01 - Final
Body IN	I	inlet - Ø30 Ø12 M6
Body OUT	I	outlet - Ø30 Ø12 M6
Cover	A	standard



XF103

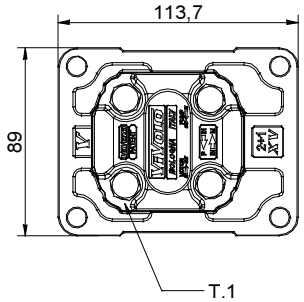
Technical data table

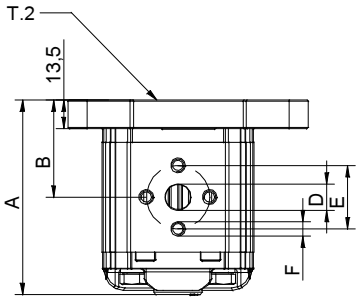
TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation									Right rotation						
X1F-2/0.9	0,91	240	280	X	1	F	16	81	T	I	I	A	X	1	F	16	82	T	I	I	A
X1F-2/1.2	1,17	250	290	X	1	F	17	81	T	I	I	A	X	1	F	17	82	T	I	I	A
X1F-2/1.7	1,56	250	290	X	1	F	18	81	T	I	I	A	X	1	F	18	82	T	I	I	A
X1F-2/2.2	2,08	250	290	X	1	F	20	81	T	I	I	A	X	1	F	20	82	T	I	I	A
X1F-2/2.6	2,60	250	300	X	1	F	21	81	T	I	I	A	X	1	F	21	82	T	I	I	A
X1F-2/3.2	3,12	250	300	X	1	F	23	81	T	I	I	A	X	1	F	23	82	T	I	I	A
X1F-2/3.8	3,64	250	300	X	1	F	25	81	T	I	I	A	X	1	F	25	82	T	I	I	A
X1F-2/4.3	4,16	250	300	X	1	F	27	81	T	I	I	A	X	1	F	27	82	T	I	I	A
X1F-2/4.9	4,94	250	300	X	1	F	29	81	T	I	I	A	X	1	F	29	82	T	I	I	A
X1F-2/5.9	5,85	250	300	X	1	F	31	81	T	I	I	A	X	1	F	31	82	T	I	I	A
X1F-2/6.5	6,50	250	300	X	1	F	32	81	T	I	I	A	X	1	F	32	82	T	I	I	A
X1F-2/7.8	7,54	220	260	X	1	F	34	81	T	I	I	A	X	1	F	34	82	T	I	I	A
X1F-2/9.8	9,88	190	230	X	1	F	36	81	T	I	I	A	X	1	F	36	82	T	I	I	A

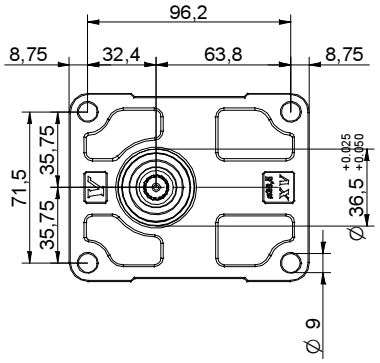
P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X1F-2/0.9	0,950	81,5	40,8	ø12	30	M6x1	ø12	30	M6x1
X1F-2/1.2	0,970	82,5	41,3	ø12	30	M6x1	ø12	30	M6x1
X1F-2/1.7	1,010	84,0	42,0	ø12	30	M6x1	ø12	30	M6x1
X1F-2/2.2	1,030	86,0	43,0	ø12	30	M6x1	ø12	30	M6x1
X1F-2/2.6	1,060	88,0	44,0	ø12	30	M6x1	ø12	30	M6x1
X1F-2/3.2	1,090	90,0	45,0	ø12	30	M6x1	ø12	30	M6x1
X1F-2/3.8	1,120	92,0	46,0	ø12	30	M6x1	ø12	30	M6x1
X1F-2/4.3	1,170	94,0	47,0	ø12	30	M6x1	ø12	30	M6x1
X1F-2/4.9	1,200	97,0	48,5	ø12	30	M6x1	ø12	30	M6x1
X1F-2/5.9	1,260	100,5	50,3	ø12	30	M6x1	ø12	30	M6x1
X1F-2/6.5	1,300	103,0	51,5	ø12	30	M6x1	ø12	30	M6x1
X1F-2/7.8	1,360	107,0	53,5	ø12	30	M6x1	ø12	30	M6x1
X1F-2/9.8	1,500	116,0	58,0	ø12	30	M6x1	ø12	30	M6x1







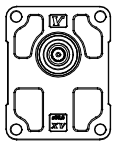
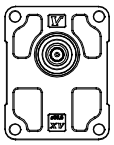
01/04/08 X1F2582TIIA.dft

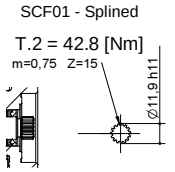
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8
T.2 = 42.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

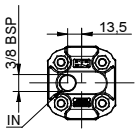
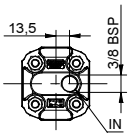
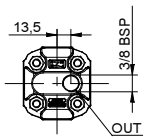
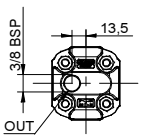
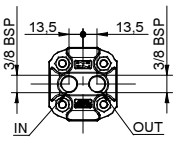
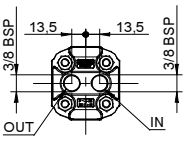
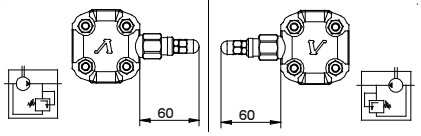
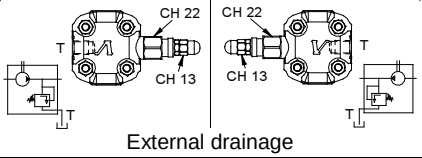
Table of variations

Female ø36.5 FLANGE

X1F-2

Female ø36.5 FLANGE			
Left rotation		Right rotation	
	81		82

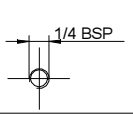
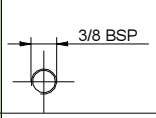
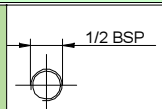
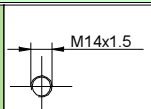
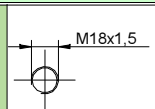
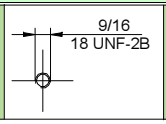
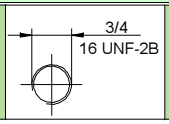
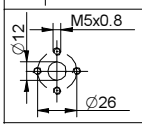
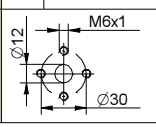
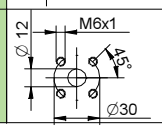
Shaft	
	T

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		O

Displacement	
TYPE	CODE
X1F-2/0.9	**16**
X1F-2/1.2	**17**
X1F-2/1.7	**18**
X1F-2/2.2	**20**
X1F-2/2.6	**21**
X1F-2/3.2	**23**
X1F-2/3.8	**25**
X1F-2/4.3	**27**
X1F-2/4.9	**29**
X1F-2/5.9	**31**
X1F-2/6.5	**32**
X1F-2/7.8	**34**
X1F-2/9.8	**36**

Standard bodies						
Displacement cm3/rev	Standard threads					
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.2	I - I	B - B	J - J	B - Z	Z - Z	G - F
3.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.3	I - I	B - B	J - J	B - Z	Z - Z	G - F
4.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
5.9	I - I	B - B	J - J	B - Z	Z - Z	G - F
6.5	I - I	B - B	J - J	B - Z	Z - Z	G - F
7.8	I - I	B - B	J - J	B - Z	Z - Z	G - F
9.8	I - I	B - B	J - J	B - Z	Z - Z	G - F

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G
	H		I		J	Closed Body	Z							

SAMT HYDRAULICS

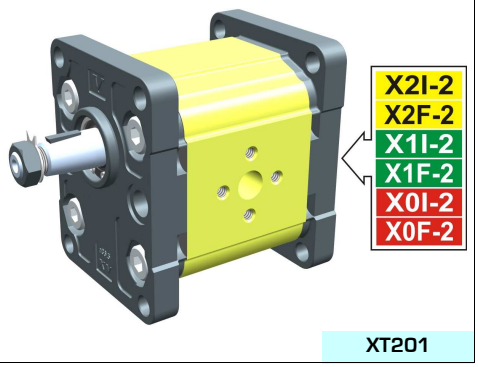
entrainment pump - series XV

EUROPEAN STANDARD DRIVING PUMP
ø36.5 FLANGE - TAPER SHAFT

X2T

X	2	T	51	02	E	P	O	A

Series	X	series XV
Group	2	group 2
Category	T	entrainment pump
Displacement	51	17
Flange	02	Ø36.5 STANDARD EUROPEAN right rotation
Shaft	E	COP01 - Tapered 1:8 - ø17.4 - M12x1.5 - key thk.4
Body IN	P	inlet - Ø40 Ø20 M8
Body OUT	O	outlet - Ø30 Ø13.5 M6
Cover	A	ø36,5 female cover for left multiple pump element



XT201

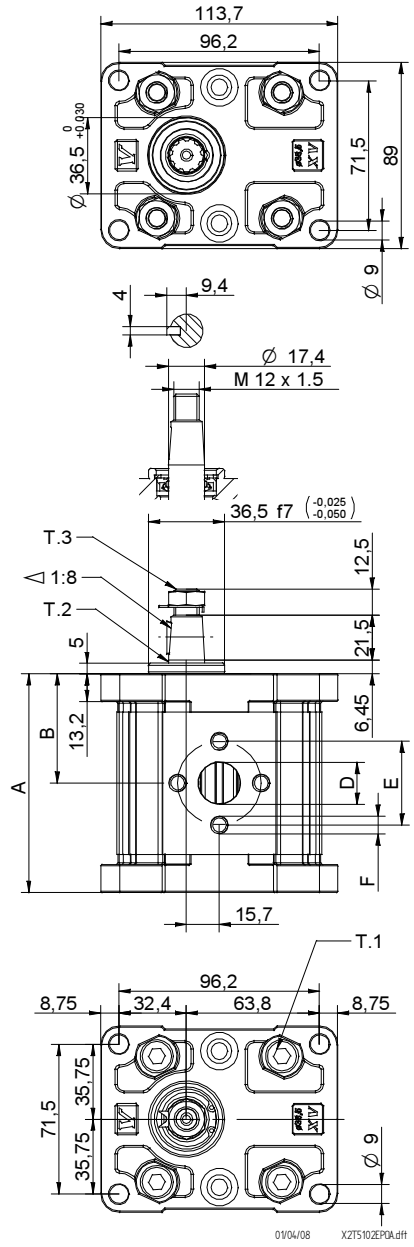
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X2T/04	4,20	260	300	X 2 T 41 01 E O O A	X 2 T 41 02 E O O A
X2T/06	6,00	260	300	X 2 T 43 01 E O O A	X 2 T 43 02 E O O A
X2T/09	8,40	260	300	X 2 T 45 01 E O O A	X 2 T 45 02 E O O A
X2T/11	10,80	260	300	X 2 T 47 01 E O O A	X 2 T 47 02 E O O A
X2T/14	14,40	250	290	X 2 T 49 01 E P O A	X 2 T 49 02 E P O A
X2T/17	16,80	230	270	X 2 T 51 01 E P O A	X 2 T 51 02 E P O A
X2T/19	19,20	210	250	X 2 T 53 01 E P O A	X 2 T 53 02 E P O A
X2T/22	22,80	200	240	X 2 T 55 01 E P O A	X 2 T 55 02 E P O A
X2T/26	26,20	170	210	X 2 T 57 01 E Q P A	X 2 T 57 02 E Q P A
X2T/30	30,00	160	200	X 2 T 59 01 E Q P A	X 2 T 59 02 E Q P A
X2T/34	34,20	150	190	X 2 T 61 01 E Q P A	X 2 T 61 02 E Q P A
X2T/40	39,60	140	180	X 2 T 63 01 E Q P A	X 2 T 63 02 E Q P A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2T/04	2,200	83,4	41,7	ø13,5	30	M6x1	ø13,5	30	M6x1
X2T/06	2,300	86,4	43,2	ø13,5	30	M6x1	ø13,5	30	M6x1
X2T/09	2,400	90,4	45,2	ø13,5	30	M6x1	ø13,5	30	M6x1
X2T/11	2,500	94,4	47,2	ø13,5	30	M6x1	ø13,5	30	M6x1
X2T/14	2,700	100,4	50,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2T/17	2,800	104,4	52,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2T/19	2,900	108,4	54,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2T/22	3,050	114,4	57,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2T/26	3,150	118,4	59,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
X2T/30	3,400	126,4	63,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
X2T/34	3,600	133,4	66,7	ø23,5	40	M8X1,25	ø20	40	M8X1,25
X2T/40	3,800	142,4	71,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25

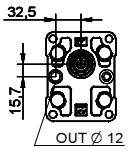
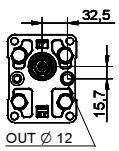
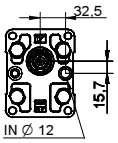
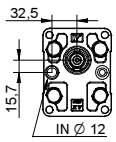
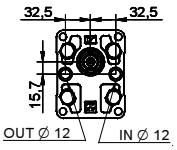
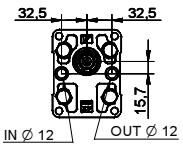


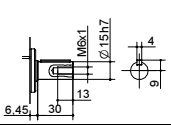
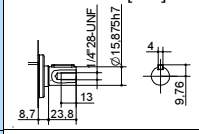
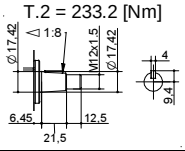
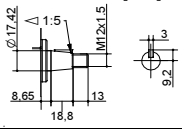
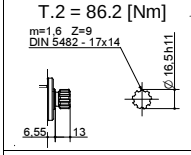
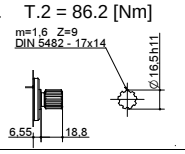
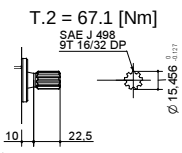
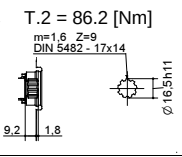
T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

X2T

ø36.5 FLANGE

ø36.5 FLANGE			
Left rotation		Right rotation	
	01		02
	03		04
	05		06
	07		08

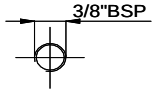
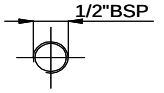
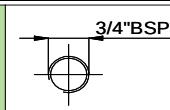
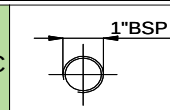
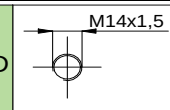
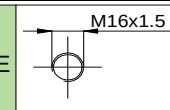
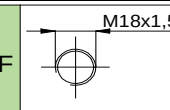
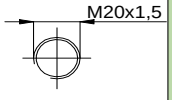
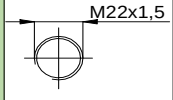
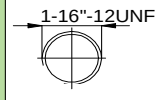
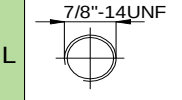
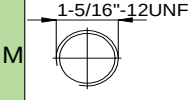
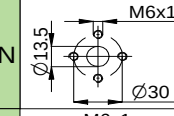
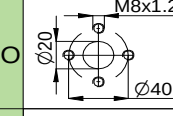
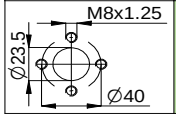
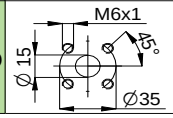
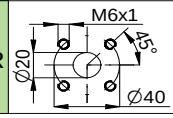
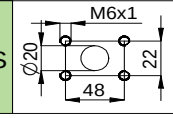
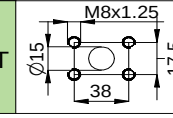
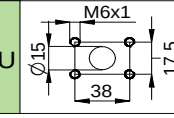
Shaft			
CIP01 - Parallel T.2 = 44.1 [Nm]	A	CIP02 - Parallel T.2 = 67.5 [Nm]	B
			
COP01 - Tapered T.2 = 233.2 [Nm]	E	COP02 - Tapered T.2 = 233.2 [Nm]	F
			
SCP02 - Splined T.2 = 86.2 [Nm]	G	SCP03 - Splined T.2 = 86.2 [Nm]	H
			
SCP04 - Splined T.2 = 67.1 [Nm]	I	SCI01 - Splined T.2 = 86.2 [Nm]	L
			

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X2T/04	**41**
X2T/06	**43**
X2T/09	**45**
X2T/11	**47**
X2T/14	**49**
X2T/17	**51**
X2T/19	**53**
X2T/22	**55**
X2T/26	**57**
X2T/30	**59**
X2T/34	**61**
X2T/40	**63**

Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - R	C - B	L - M	Z - Z
26	Q - P	S - R	D - C	L - M	Z - Z
30	Q - P	S - S	D - C	L - M	Z - Z
34	Q - P	S - S	D - C	L - M	Z - Z
40	Q - P	S - S	D - C	L - M	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)													
	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

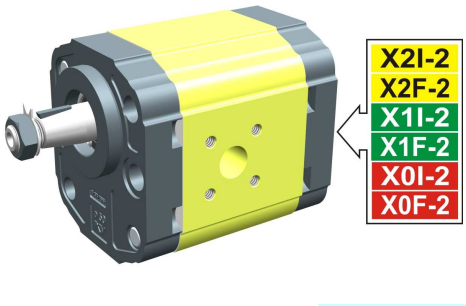
entrainment pump - series XV

"BH" DRIVING PUMP
ø50 BODY-SHAPED FLANGE - TAPER SHAFT

X2T

X	2	T	51	12	F	S	R	D

Series	X	series XV
Group	2	group 2
Category	T	entrainment pump
Displacement	51	17
Flange	12	Ø50 BH GERMAN STARDARDIZED right rotation
Shaft	F	COP02 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	S	inlet - Ø40 a 45° Ø20 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	D	ø36,5 body-shaped female cover for left multiple pump element

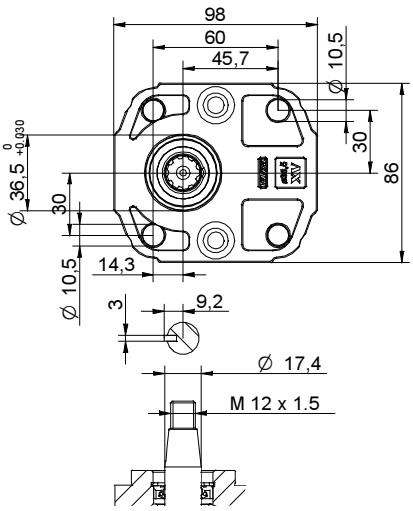


XT210

Technical data table

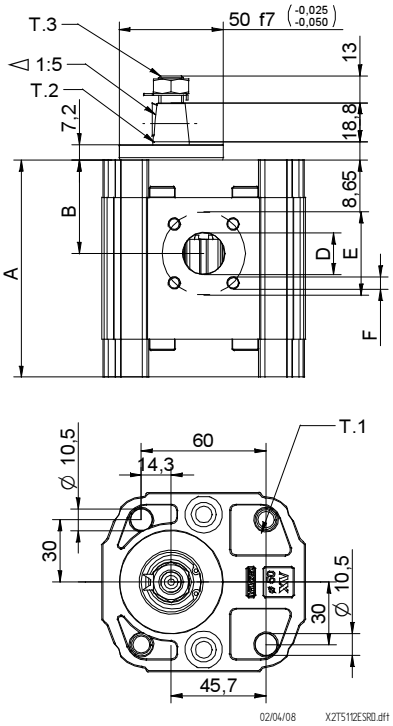
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X2T/04	4,20	260	300	X 2 T 41 11 F S R D	X 2 T 41 12 F S R D
X2T/06	6,00	260	300	X 2 T 43 11 F S R D	X 2 T 43 12 F S R D
X2T/09	8,40	260	300	X 2 T 45 11 F S R D	X 2 T 45 12 F S R D
X2T/11	10,80	260	300	X 2 T 47 11 F S R D	X 2 T 47 12 F S R D
X2T/14	14,40	250	290	X 2 T 49 11 F S R D	X 2 T 49 12 F S R D
X2T/17	16,80	230	270	X 2 T 51 11 F S R D	X 2 T 51 12 F S R D
X2T/19	19,20	210	250	X 2 T 53 11 F S R D	X 2 T 53 12 F S R D
X2T/22	22,80	200	240	X 2 T 55 11 F S R D	X 2 T 55 12 F S R D
X2T/26	26,20	170	210	X 2 T 57 11 F S R D	X 2 T 57 12 F S R D
X2T/30	30,00	160	200	X 2 T 59 11 F S S D	X 2 T 59 12 F S S D
X2T/34	34,20	150	190	X 2 T 61 11 F S S D	X 2 T 61 12 F S S D
X2T/40	39,60	140	180	X 2 T 63 11 F S S D	X 2 T 63 12 F S S D

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft



Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2T/04	2,100	83,4	38,6	ø20	40	M6x1	ø15	35	M6x1
X2T/06	2,200	86,4	38,6	ø20	40	M6x2	ø15	35	M6x1
X2T/09	2,300	90,4	40,6	ø20	40	M6x3	ø15	35	M6x1
X2T/11	2,400	94,4	45,0	ø20	40	M6x4	ø15	35	M6x1
X2T/14	2,600	100,4	45,0	ø20	40	M6x5	ø15	35	M6x1
X2T/17	2,700	104,4	45,0	ø20	40	M6x6	ø15	35	M6x1
X2T/19	2,800	108,4	45,0	ø20	40	M6x7	ø15	35	M6x1
X2T/22	2,950	114,4	52,5	ø20	40	M6x8	ø15	35	M6x1
X2T/26	3,050	118,4	52,5	ø20	40	M6x9	ø15	35	M6x1
X2T/30	3,300	126,4	60,7	ø20	40	M6x10	ø20	40	M6x1
X2T/34	3,500	133,4	60,7	ø20	40	M6x11	ø20	40	M6x1
X2T/40	3,700	142,4	60,7	ø20	40	M6x12	ø20	40	M6x1

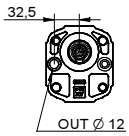
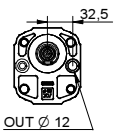
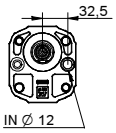
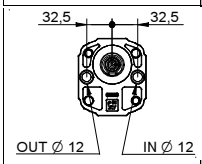
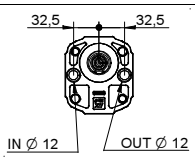


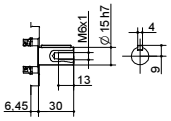
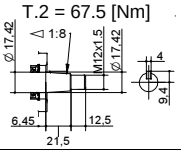
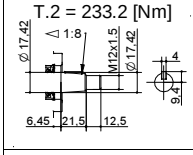
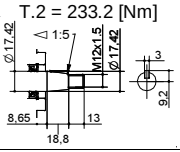
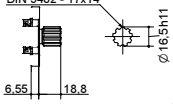
T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

ø50 "BH" Body-Shaped FLANGE

X2T

ø50 "BH" Body-Shaped FLANGE			
Left rotation		Right rotation	
	11		12
	13		14
	15		16
	17		18

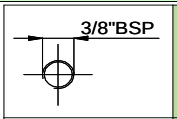
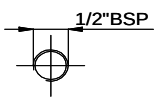
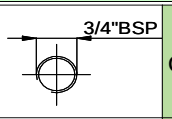
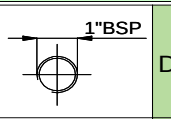
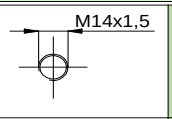
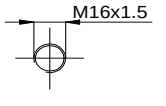
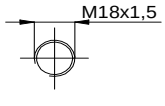
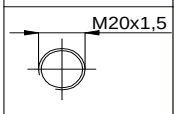
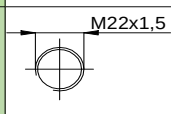
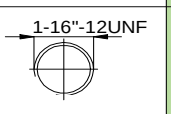
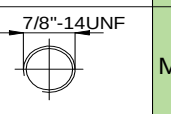
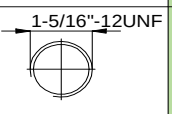
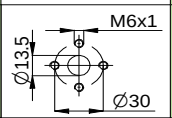
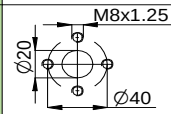
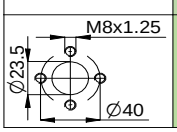
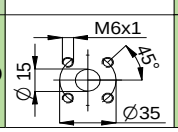
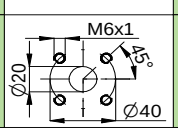
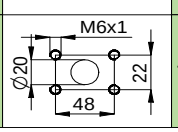
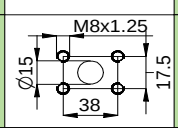
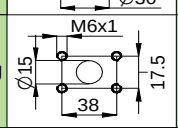
Shaft			
CIP01 - Parallel T.2 = 44.1 [Nm]	A	CIP02 - Parallel T.2 = 67.5 [Nm]	B
			
COP01 - Tapered T.2 = 233.2 [Nm]	E	COP02 - Tapered T.2 = 233.2 [Nm]	F
			
SCP03 - Splined T.2 = 86.2 [Nm]	H		
			

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X2T/04	**41**
X2T/06	**43**
X2T/09	**45**
X2T/11	**47**
X2T/14	**49**
X2T/17	**51**
X2T/19	**53**
X2T/22	**55**
X2T/26	**57**
X2T/30	**59**
X2T/34	**61**
X2T/40	**63**

Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - R	C - B	L - M	Z - Z
26	Q - P	S - R	D - C	L - M	Z - Z
30	Q - P	S - S	D - C	L - M	Z - Z
34	Q - P	S - S	D - C	L - M	Z - Z
40	Q - P	S - S	D - C	L - M	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)																				
	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

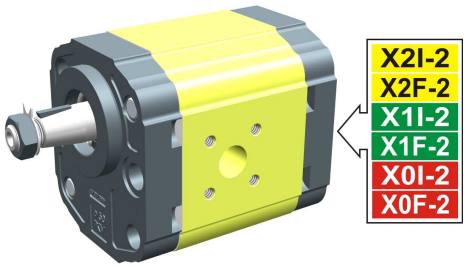
entrainment pump - series XV

"HY" DRIVING PUMP
ø50 BODY-SHAPED FLANGE - TAPER SHAFT

X2T

X	2	T	51	22	F	S	R	D

Series		X	series XV
Group		2	group 2
Category		T	entrainment pump
Displacement		51	17
Flange		22	Ø50 HY GERMAN STARDARDIZED right rotation
Shaft		F	COP02 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body	IN	S	inlet - Ø40 a 45° Ø20 M6
	OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover		D	ø36,5 body-shaped female cover for left multiple pump element



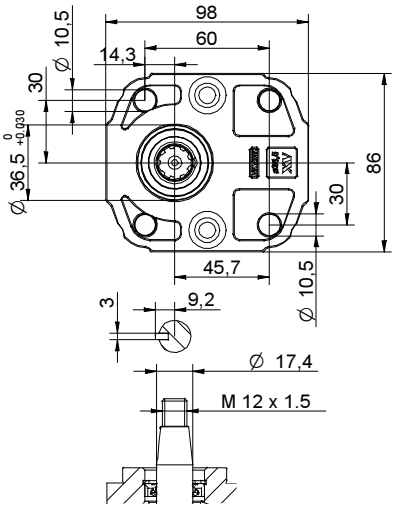
XT213

Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X2T/04	4,20	260	300	X 2 T 41 21 F S R D	X 2 T 41 22 F S R D
X2T/06	6,00	260	300	X 2 T 43 21 F S R D	X 2 T 43 22 F S R D
X2T/09	8,40	260	300	X 2 T 45 21 F S R D	X 2 T 45 22 F S R D
X2T/11	10,80	260	300	X 2 T 47 21 F S R D	X 2 T 47 22 F S R D
X2T/14	14,40	250	290	X 2 T 49 21 F S R D	X 2 T 49 22 F S R D
X2T/17	16,80	230	270	X 2 T 51 21 F S R D	X 2 T 51 22 F S R D
X2T/19	19,20	210	250	X 2 T 53 21 F S R D	X 2 T 53 22 F S R D
X2T/22	22,80	200	240	X 2 T 55 21 F S R D	X 2 T 55 22 F S R D
X2T/26	26,20	170	210	X 2 T 57 21 F S R D	X 2 T 57 22 F S R D
X2T/30	30,00	160	200	X 2 T 59 21 F S S D	X 2 T 59 22 F S S D
X2T/34	34,20	150	190	X 2 T 61 21 F S S D	X 2 T 61 22 F S S D
X2T/40	39,60	140	180	X 2 T 63 21 F S S D	X 2 T 63 22 F S S D

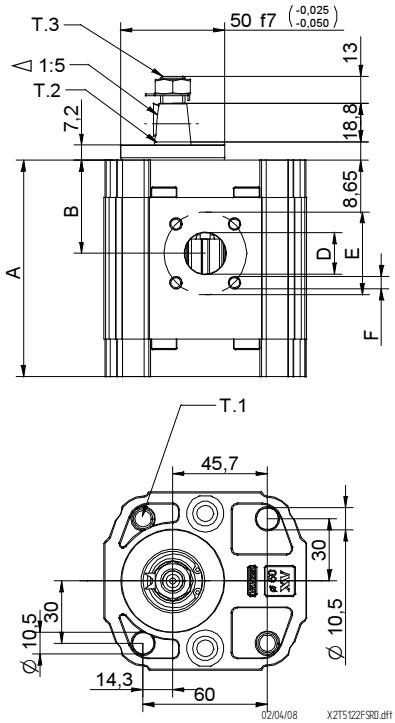
P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft



Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2T/04	2,100	83,4	38,6	ø20	40	M6x1	ø15	35	M6x1
X2T/06	2,200	86,4	38,6	ø20	40	M6x2	ø15	35	M6x1
X2T/09	2,300	90,4	40,6	ø20	40	M6x3	ø15	35	M6x1
X2T/11	2,400	94,4	45,0	ø20	40	M6x4	ø15	35	M6x1
X2T/14	2,600	100,4	45,0	ø20	40	M6x5	ø15	35	M6x1
X2T/17	2,700	104,4	45,0	ø20	40	M6x6	ø15	35	M6x1
X2T/19	2,800	108,4	45,0	ø20	40	M6x7	ø15	35	M6x1
X2T/22	2,950	114,4	52,5	ø20	40	M6x8	ø15	35	M6x1
X2T/26	3,050	118,4	52,5	ø20	40	M6x9	ø15	35	M6x1
X2T/30	3,300	126,4	60,7	ø20	40	M6x10	ø20	40	M6x1
X2T/34	3,500	133,4	60,7	ø20	40	M6x11	ø20	40	M6x1
X2T/40	3,700	142,4	60,7	ø20	40	M6x12	ø20	40	M6x1



T.1 = 54÷58.9 [Nm] - screw tightening torque M10

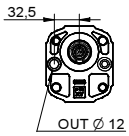
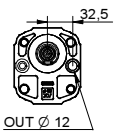
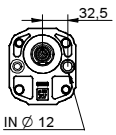
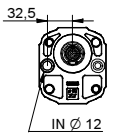
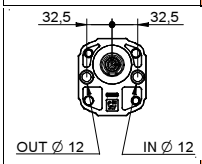
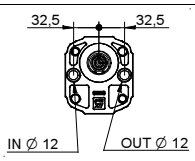
T.3 = 40 [Nm] - torque wrench setting 19

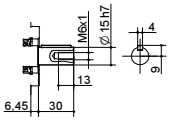
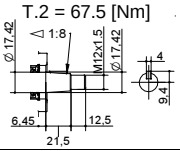
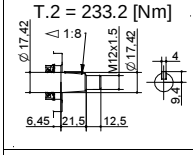
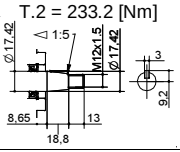
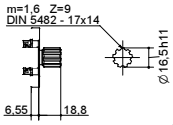
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

ø50 "HY" Body-Shaped FLANGE

X2T

ø50 "HY" Body-Shaped FLANGE			
Left rotation		Right rotation	
	21		22
	23		24
	25		26
	27		28

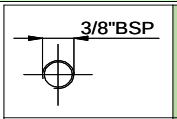
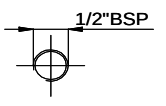
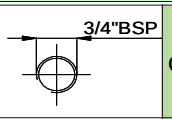
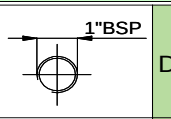
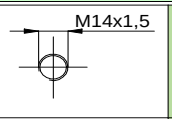
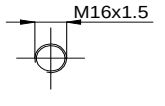
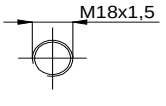
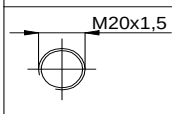
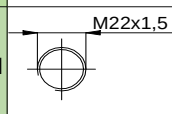
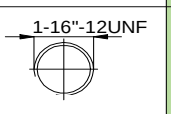
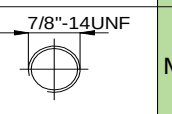
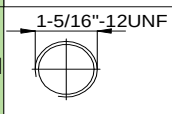
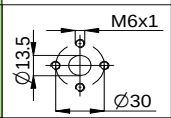
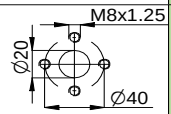
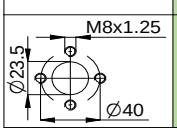
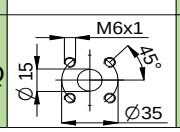
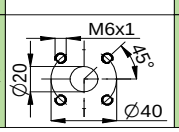
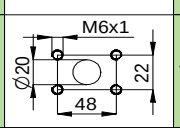
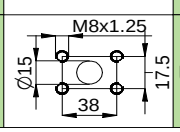
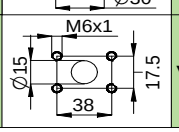
Shaft			
CIP01 - Parallel T.2 = 44.1 [Nm]	A	CIP02 - Parallel T.2 = 67.5 [Nm]	B
			
COP01 - Tapered T.2 = 233.2 [Nm]	E	COP02 - Tapered T.2 = 233.2 [Nm]	F
			
SCP03 - Splined T.2 = 86.2 [Nm]	H		
			

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X2T/04	**41**
X2T/06	**43**
X2T/09	**45**
X2T/11	**47**
X2T/14	**49**
X2T/17	**51**
X2T/19	**53**
X2T/22	**55**
X2T/26	**57**
X2T/30	**59**
X2T/34	**61**
X2T/40	**63**

Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - R	C - B	L - M	Z - Z
26	Q - P	S - R	D - C	L - M	Z - Z
30	Q - P	S - S	D - C	L - M	Z - Z
34	Q - P	S - S	D - C	L - M	Z - Z
40	Q - P	S - S	D - C	L - M	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

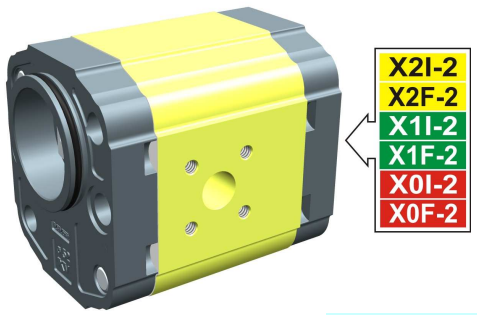
entrainment pump - series XV

"BH" GERMAN STANDARD DRIVING PUMP
ø52 BODY-SHAPED FLANGE - MILLED SHANK

X2T

X	2	T	51	32	C	S	R	D

Series		X	series XV
Group		2	group 2
Category		T	entrainment pump
Displacement		51	17
Flange		32	Ø52 GERMAN STARDARDIZED right rotation (with OR)
Shaft		C	CFP01 - Milled shank ø15 - thk.8 ("BH" Standard German)
Body	IN	S	inlet - Ø40 a 45° Ø20 M6
	OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover		D	ø36,5 body-shaped female cover for left multiple pump element



XT216

Technical data table

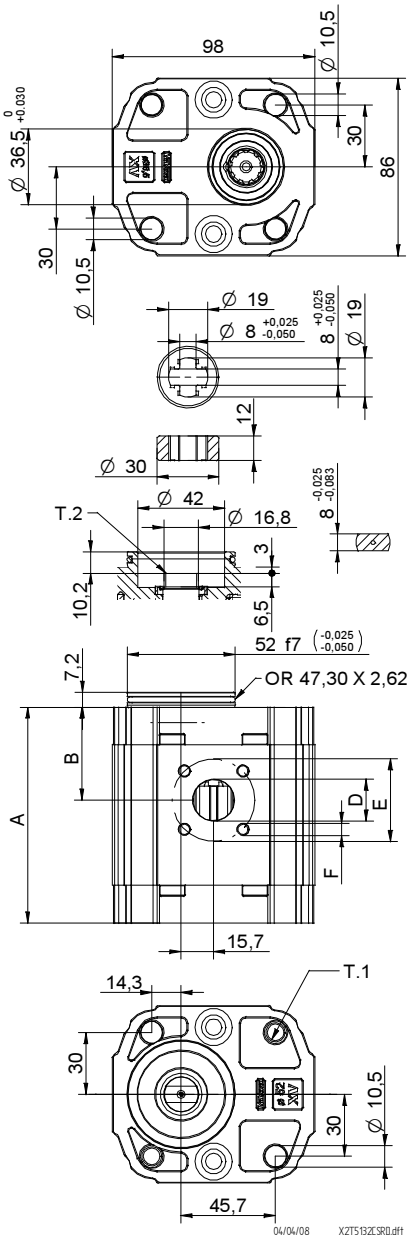
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X2T/04	4,20	260	300	X 2 T 41 31 C S R D	X 2 T 41 32 C S R D
X2T/06	6,00	260	300	X 2 T 43 31 C S R D	X 2 T 43 32 C S R D
X2T/09	8,40	260	300	X 2 T 45 31 C S R D	X 2 T 45 32 C S R D
X2T/11	10,80	260	300	X 2 T 47 31 C S R D	X 2 T 47 32 C S R D
X2T/14	14,40	250	290	X 2 T 49 31 C S R D	X 2 T 49 32 C S R D
X2T/17	16,80	230	270	X 2 T 51 31 C S R D	X 2 T 51 32 C S R D
X2T/19	19,20	210	250	X 2 T 53 31 C S R D	X 2 T 53 32 C S R D
X2T/22	22,80	200	240	X 2 T 55 31 C S R D	X 2 T 55 32 C S R D
X2T/26	26,20	170	210	X 2 T 57 31 C S R D	X 2 T 57 32 C S R D
X2T/30	30,00	160	200	X 2 T 59 31 C S S D	X 2 T 59 32 C S S D
X2T/34	34,20	150	190	X 2 T 61 31 C S S D	X 2 T 61 32 C S S D
X2T/40	39,60	140	180	X 2 T 63 31 C S S D	X 2 T 63 32 C S S D

P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2T/04	2,100	83,4	38,6	ø20	40	M6x1	ø15	35	M6x1
X2T/06	2,200	86,4	38,6	ø20	40	M6x2	ø15	35	M6x1
X2T/09	2,300	90,4	40,6	ø20	40	M6x3	ø15	35	M6x1
X2T/11	2,400	94,4	45,0	ø20	40	M6x4	ø15	35	M6x1
X2T/14	2,600	100,4	45,0	ø20	40	M6x5	ø15	35	M6x1
X2T/17	2,700	104,4	45,0	ø20	40	M6x6	ø15	35	M6x1
X2T/19	2,800	108,4	45,0	ø20	40	M6x7	ø15	35	M6x1
X2T/22	2,950	114,4	52,5	ø20	40	M6x8	ø15	35	M6x1
X2T/26	3,050	118,4	52,5	ø20	40	M6x9	ø15	35	M6x1
X2T/30	3,300	126,4	60,7	ø20	40	M6x10	ø20	40	M6x1
X2T/34	3,500	133,4	60,7	ø20	40	M6x11	ø20	40	M6x1
X2T/40	3,700	142,4	60,7	ø20	40	M6x12	ø20	40	M6x1



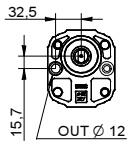
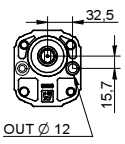
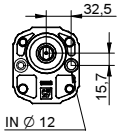
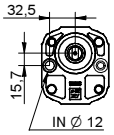
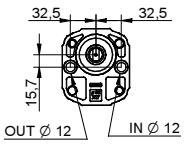
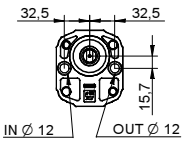
T.1 = 54÷58.9 [Nm] - screw tightening torque M10

T.2 = 60.5 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

X2T

Standard German ø52 "BH" FLANGE

Standard German ø52 "BH" FLANGE			
Left rotation		Right rotation	
	31		32
	33		34
	35		36
	37		38

Shaft			
CFP01 - Milled shank T.2 = 60.5 [Nm]	C	SCF05 - Splined T.2 = 86.2 [Nm] m=1,6 Z=9 DIN 5482 - 17x14	K
SCI01 - Splined T.2 = 86.2 [Nm] m=1,6 Z=9 DIN 5482 - 17x14	L		

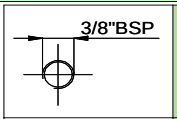
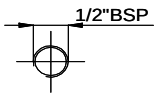
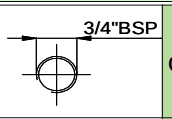
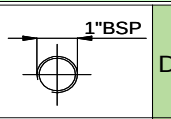
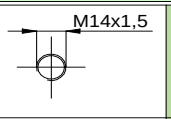
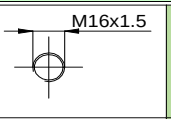
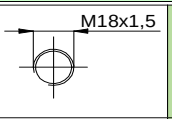
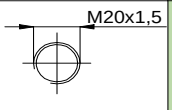
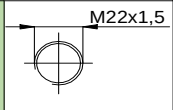
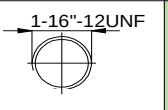
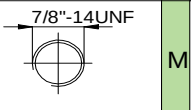
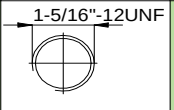
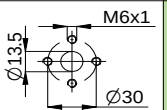
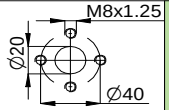
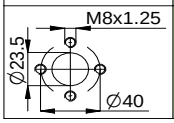
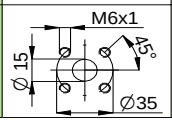
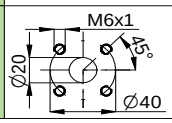
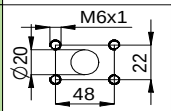
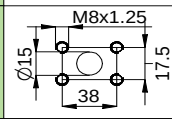
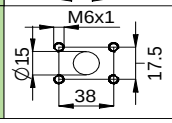
Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X2T/04	**41**
X2T/06	**43**
X2T/09	**45**
X2T/11	**47**
X2T/14	**49**
X2T/17	**51**
X2T/19	**53**
X2T/22	**55**
X2T/26	**57**
X2T/30	**59**
X2T/34	**61**
X2T/40	**63**

Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - R	C - B	L - M	Z - Z
26	Q - P	S - R	D - C	L - M	Z - Z
30	Q - P	S - S	D - C	L - M	Z - Z
34	Q - P	S - S	D - C	L - M	Z - Z
40	Q - P	S - S	D - C	L - M	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13.5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23.5 Ø40	Q	 M6x1 45° Ø15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

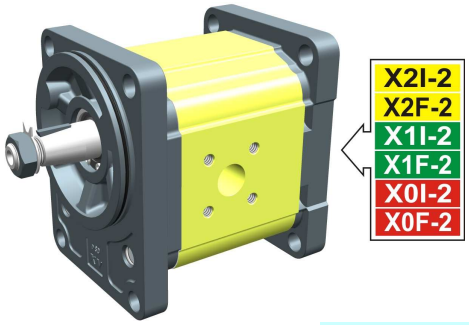
entrainment pump - series XV

GERMAN STANDARD DRIVING PUMP
ø80 FLANGE - TAPER SHAFT

X2T

X	2	T	51	42	F	S	R	A

Series		X	series XV
Group		2	group 2
Category		T	entrainment pump
Displacement		51	17
Flange		42	Ø80 GERMAN STARDARDIZED right rotation (with OR)
Shaft		F	COP02 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body	IN	S	inlet - Ø40 a 45° Ø20 M6
	OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover		A	ø36,5 female cover for left multiple pump element



XT217

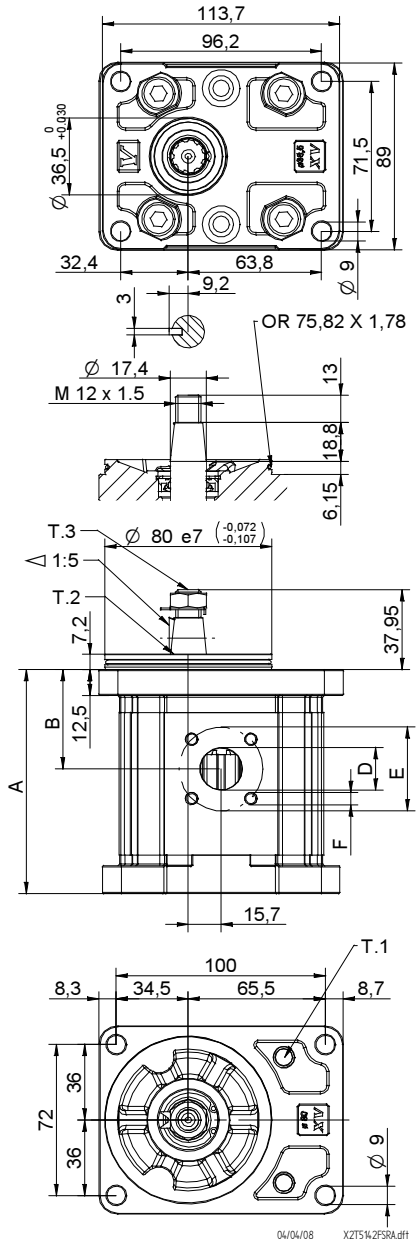
Technical data table

TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation							
X2T/04	4,20	260	300	X	2	T	41	41	F	S	R	A	X	2	T	41	42	F	S	R	A
X2T/06	6,00	260	300	X	2	T	43	41	F	S	R	A	X	2	T	43	42	F	S	R	A
X2T/09	8,40	260	300	X	2	T	45	41	F	S	R	A	X	2	T	45	42	F	S	R	A
X2T/11	10,80	260	300	X	2	T	47	41	F	S	R	A	X	2	T	47	42	F	S	R	A
X2T/14	14,40	250	290	X	2	T	49	41	F	S	R	A	X	2	T	49	42	F	S	R	A
X2T/17	16,80	230	270	X	2	T	51	41	F	S	R	A	X	2	T	51	42	F	S	R	A
X2T/19	19,20	210	250	X	2	T	53	41	F	S	R	A	X	2	T	53	42	F	S	R	A
X2T/22	22,80	200	240	X	2	T	55	41	F	S	R	A	X	2	T	55	42	F	S	R	A
X2T/26	26,20	170	210	X	2	T	57	41	F	S	R	A	X	2	T	57	42	F	S	R	A
X2T/30	30,00	160	200	X	2	T	59	41	F	S	S	A	X	2	T	59	42	F	S	S	A
X2T/34	34,20	150	190	X	2	T	61	41	F	S	S	A	X	2	T	61	42	F	S	S	A
X2T/40	39,60	140	180	X	2	T	63	41	F	S	S	A	X	2	T	63	42	F	S	S	A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2T/04	2,330	85,9	41,1	ø20	40	M6x1	ø15	35	M6x1
X2T/06	2,430	88,9	41,1	ø20	40	M6x2	ø15	35	M6x1
X2T/09	2,530	92,9	43,1	ø20	40	M6x3	ø15	35	M6x1
X2T/11	2,630	96,9	47,5	ø20	40	M6x4	ø15	35	M6x1
X2T/14	2,730	102,9	47,5	ø20	40	M6x5	ø15	35	M6x1
X2T/17	2,830	106,9	47,5	ø20	40	M6x6	ø15	35	M6x1
X2T/19	2,930	110,9	47,5	ø20	40	M6x7	ø15	35	M6x1
X2T/22	3,180	116,9	55,0	ø20	40	M6x8	ø15	35	M6x1
X2T/26	3,280	120,9	55,0	ø20	40	M6x9	ø15	35	M6x1
X2T/30	3,530	128,9	63,2	ø20	40	M6x10	ø20	40	M6x1
X2T/34	3,730	135,9	63,2	ø20	40	M6x11	ø20	40	M6x1
X2T/40	3,930	144,9	63,2	ø20	40	M6x12	ø20	40	M6x1



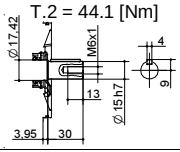
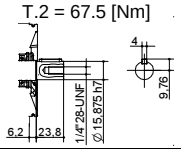
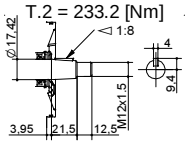
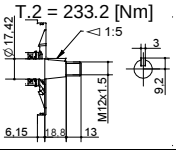
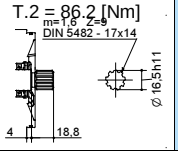
T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

ø80 FLANGE

X2T

ø80 FLANGE			
Left rotation		Right rotation	
	41		42

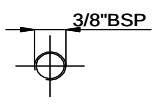
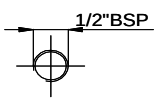
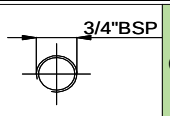
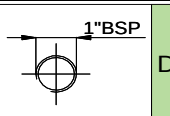
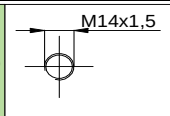
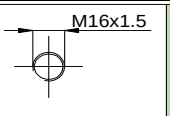
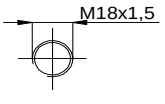
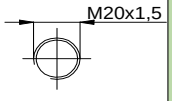
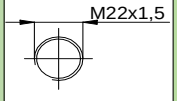
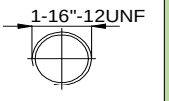
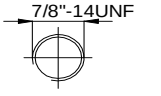
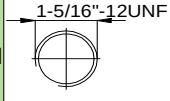
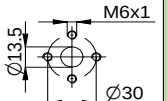
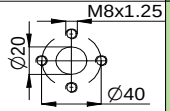
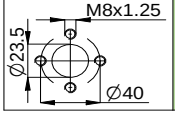
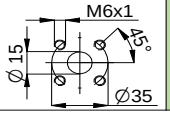
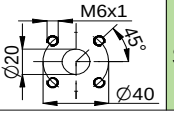
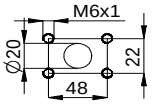
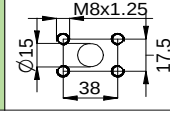
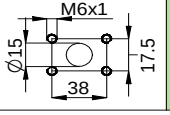
Shaft			
CIP01 - Parallel T.2 = 44.1 [Nm] 	A	CIP02 - Parallel T.2 = 67.5 [Nm] 	B
COP01 - Tapered T.2 = 233.2 [Nm] 	E	COP02 - Tapered T.2 = 233.2 [Nm] 	F
SCP03 - Splined T.2 = 86.2 [Nm] 	H		

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X2T/04	**41**
X2T/06	**43**
X2T/09	**45**
X2T/11	**47**
X2T/14	**49**
X2T/17	**51**
X2T/19	**53**
X2T/22	**55**
X2T/26	**57**
X2T/30	**59**
X2T/34	**61**
X2T/40	**63**

Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - R	C - B	L - M	Z - Z
26	Q - P	S - R	D - C	L - M	Z - Z
30	Q - P	S - S	D - C	L - M	Z - Z
34	Q - P	S - S	D - C	L - M	Z - Z
40	Q - P	S - S	D - C	L - M	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)																	
	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

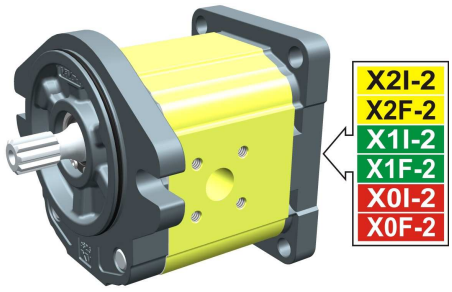
entrainment pump - series XV

"SAE A" DRIVING PUMP
ø82.5 FLANGE - SPLINED SHAFT

X2T

X	2	T	51	52	I	S	R	A

Series		X	series XV
Group		2	group 2
Category		T	entrainment pump
Displacement		51	17
Flange		52	Ø82.5 SAE A right rotation (with OR)
Shaft		I	SCP04 - Splined ø15.456 z=9, H=22.5 - SAE J498 9T 16/32DP
Body	IN	S	inlet - Ø40 a 45° Ø20 M6
	OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover		A	ø36,5 female cover for left multiple pump element



XT219

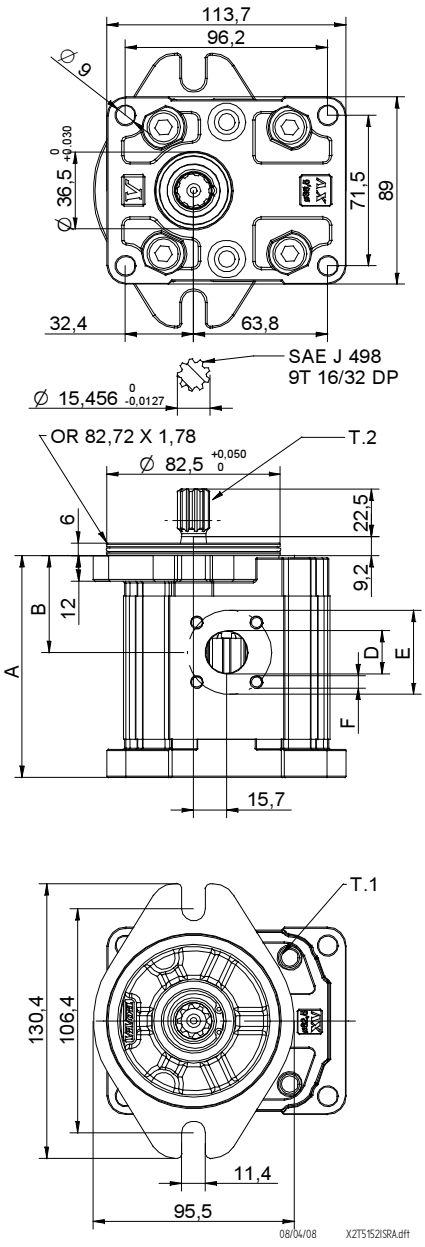
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X2T/04	4,20	260	300	X 2 T 41 51 I S R A	X 2 T 41 52 I S R A
X2T/06	6,00	260	300	X 2 T 43 51 I S R A	X 2 T 43 52 I S R A
X2T/09	8,40	260	300	X 2 T 45 51 I S R A	X 2 T 45 52 I S R A
X2T/11	10,80	260	300	X 2 T 47 51 I S R A	X 2 T 47 52 I S R A
X2T/14	14,40	250	290	X 2 T 49 51 I S R A	X 2 T 49 52 I S R A
X2T/17	16,80	230	270	X 2 T 51 51 I S R A	X 2 T 51 52 I S R A
X2T/19	19,20	210	250	X 2 T 53 51 I S R A	X 2 T 53 52 I S R A
X2T/22	22,80	200	240	X 2 T 55 51 I S R A	X 2 T 55 52 I S R A
X2T/26	26,20	170	210	X 2 T 57 51 I S R A	X 2 T 57 52 I S R A
X2T/30	30,00	160	200	X 2 T 59 51 I S S A	X 2 T 59 52 I S S A
X2T/34	34,20	150	190	X 2 T 61 51 I S S A	X 2 T 61 52 I S S A
X2T/40	39,60	140	180	X 2 T 63 51 I S S A	X 2 T 63 52 I S S A

P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2T/04	2,280	84,2	39,4	ø20	40	M6x1	ø15	35	M6x1
X2T/06	2,380	87,2	39,4	ø20	40	M6x2	ø15	35	M6x1
X2T/09	2,480	91,2	41,4	ø20	40	M6x3	ø15	35	M6x1
X2T/11	2,580	95,2	45,8	ø20	40	M6x4	ø15	35	M6x1
X2T/14	2,780	101,2	45,8	ø20	40	M6x5	ø15	35	M6x1
X2T/17	2,880	105,2	45,8	ø20	40	M6x6	ø15	35	M6x1
X2T/19	2,980	109,2	45,8	ø20	40	M6x7	ø15	35	M6x1
X2T/22	3,130	115,2	53,3	ø20	40	M6x8	ø15	35	M6x1
X2T/26	3,230	119,2	53,3	ø20	40	M6x9	ø15	35	M6x1
X2T/30	3,480	127,2	61,5	ø20	40	M6x10	ø20	40	M6x1
X2T/34	3,680	134,2	61,5	ø20	40	M6x11	ø20	40	M6x1
X2T/40	3,880	143,2	61,5	ø20	40	M6x12	ø20	40	M6x1



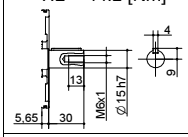
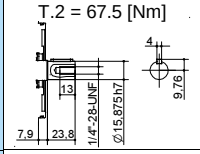
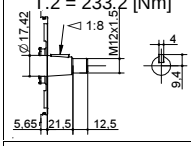
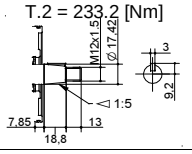
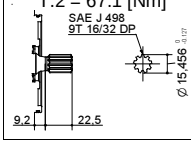
T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.2 = 67.1 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

X2T

ø82.5 FLANGE "SAE A"

ø82.5 FLANGE "SAE A"			
Left rotation		Right rotation	
	51		52
 Without OR	53	 Without OR	54

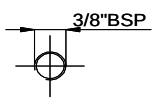
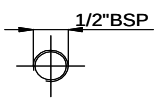
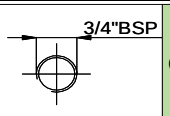
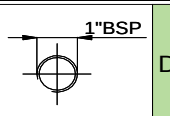
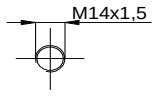
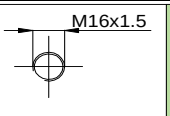
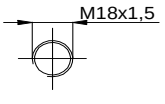
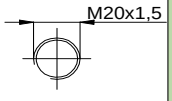
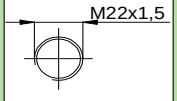
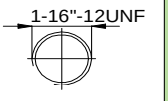
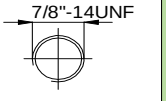
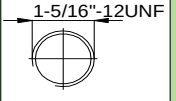
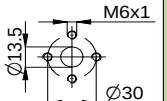
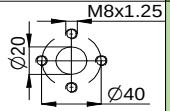
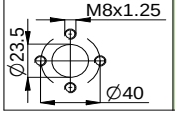
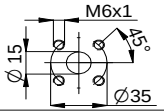
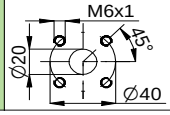
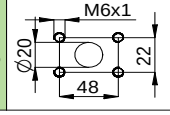
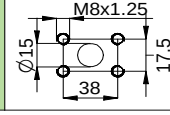
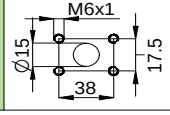
Shaft			
CIP01 - Parallel T.2 = 44.1 [Nm] 	A	CIP02 - Parallel T.2 = 67.5 [Nm] 	B
COP01 - Tapered T.2 = 233.2 [Nm] 	E	COP02 - Tapered T.2 = 233.2 [Nm] 	F
SCP04 - Splined T.2 = 67.1 [Nm] 	I		

Cover		
Left rotation	Right rotation	
		A
		D

Displacement	
TYPE	CODE
X2T/04	**41**
X2T/06	**43**
X2T/09	**45**
X2T/11	**47**
X2T/14	**49**
X2T/17	**51**
X2T/19	**53**
X2T/22	**55**
X2T/26	**57**
X2T/30	**59**
X2T/34	**61**
X2T/40	**63**

Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - R	C - B	L - M	Z - Z
26	Q - P	S - R	D - C	L - M	Z - Z
30	Q - P	S - S	D - C	L - M	Z - Z
34	Q - P	S - S	D - C	L - M	Z - Z
40	Q - P	S - S	D - C	L - M	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)																	
 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 Ø 15 45° Ø35	R	 M6x1 Ø20 45° Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

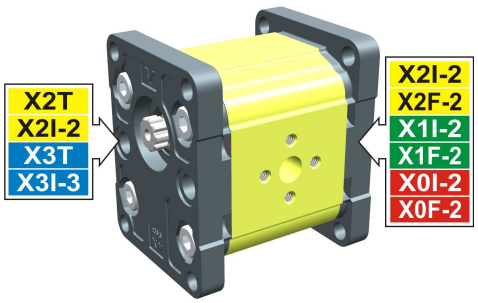
intermediate pump - series XV

STANDARD FINAL PUMP
FEMALE ø36,5 FLANGE

X2I-2

X	2	I	51	02	P	P	O	A

Series	X	series XV
Group	2	group 2
Category	I	intermediate pump
Displacement	51	17
Flange	02	Ø36.5 female right rotation 2P+2P, 3P+2P
Shaft	P	SCI01 - Intermediate
Body IN	P	inlet - Ø40 Ø20 M8
Body OUT	O	outlet - Ø30 Ø13.5 M6
Cover	A	ø36,5 female cover for left multiple pump element

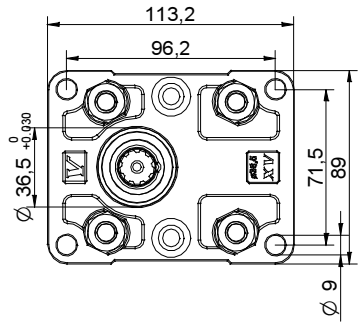


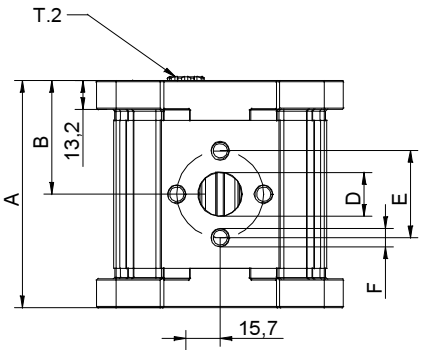
XI201

Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
X2I-2/04	4,20	260	300	X 2 I 41 01 P O O A	X 2 I 41 02 P O O A
X2I-2/06	6,00	260	300	X 2 I 43 01 P O O A	X 2 I 43 02 P O O A
X2I-2/09	8,40	260	300	X 2 I 45 01 P O O A	X 2 I 45 02 P O O A
X2I-2/11	10,80	260	300	X 2 I 47 01 P O O A	X 2 I 47 02 P O O A
X2I-2/14	14,40	250	290	X 2 I 49 01 P P O A	X 2 I 49 02 P P O A
X2I-2/17	16,80	230	270	X 2 I 51 01 P P O A	X 2 I 51 02 P P O A
X2I-2/19	19,20	210	250	X 2 I 53 01 P P O A	X 2 I 53 02 P P O A
X2I-2/22	22,80	200	240	X 2 I 55 01 P P O A	X 2 I 55 02 P P O A
X2I-2/26	26,20	170	210	X 2 I 57 01 P Q P A	X 2 I 57 02 P Q P A
X2I-2/30	30,00	160	200	X 2 I 59 01 P Q P A	X 2 I 59 02 P Q P A
X2I-2/34	34,20	150	190	X 2 I 61 01 P Q P A	X 2 I 61 02 P Q P A
X2I-2/40	39,60	140	180	X 2 I 63 01 P Q P A	X 2 I 63 02 P Q P A

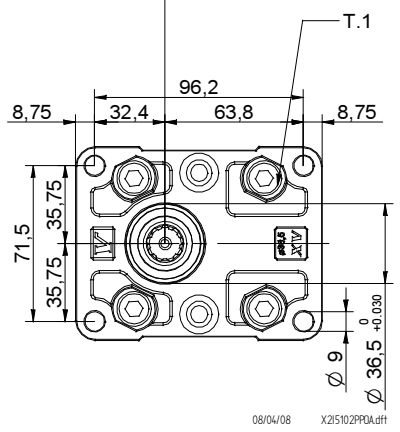
P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft





Dimensions table

TYPE	Weight	A	B	D	E	F	D	E	F
	kg	mm	mm	IN			OUT		
X2I-2/04	2,200	83,4	41,7	ø13,5	30	M6x1	ø13,5	30	M6x1
X2I-2/06	2,300	86,4	43,2	ø13,5	30	M6x1	ø13,5	30	M6x1
X2I-2/09	2,400	90,4	45,2	ø13,5	30	M6x1	ø13,5	30	M6x1
X2I-2/11	2,500	94,4	47,2	ø13,5	30	M6x1	ø13,5	30	M6x1
X2I-2/14	2,700	100,4	50,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2I-2/17	2,800	104,4	52,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2I-2/19	2,900	108,4	54,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2I-2/22	3,050	114,4	57,2	ø20	40	M8X1,25	ø13,5	30	M6x1
X2I-2/26	3,150	118,4	59,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
X2I-2/30	3,400	126,4	63,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
X2I-2/34	3,600	133,4	66,7	ø23,5	40	M8X1,25	ø20	40	M8X1,25
X2I-2/40	3,800	142,4	71,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25



T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.2 = 86.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

SAMT HYDRAULICS