

ZUBOVÁ ČERPADLA

ŘADY XV-0P

XP001



XP001

XP012



XP012

XP017

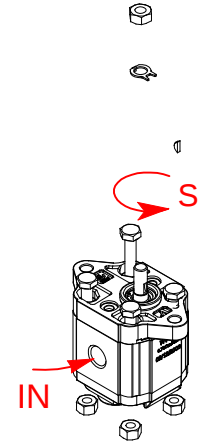
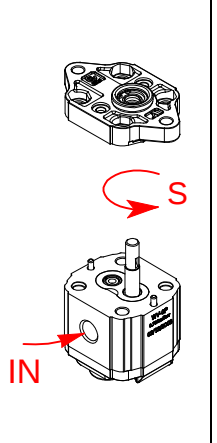
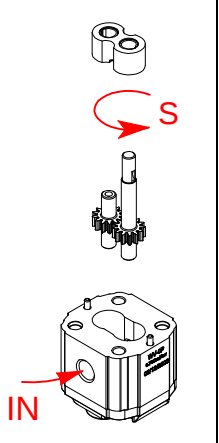
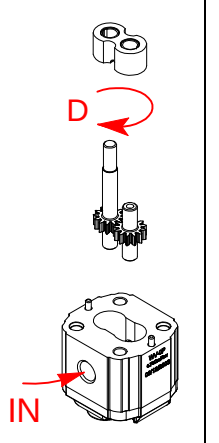
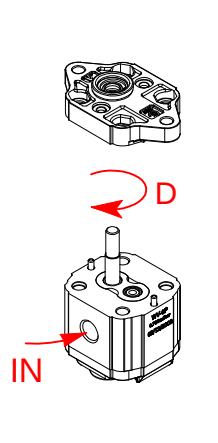
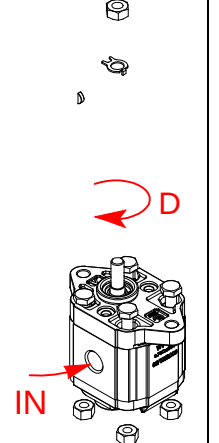


XP017

XV0-P with Flange ø22 Std, BH-HY (ref .from XP- 001 to XP-017)

When changing the direction of rotation of the XV-0P pump, it is not necessary to change the flange, as the same one is used.

When disassembling and reassembling the pump, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the pump.

Flange ø22 (ref. from XP- 001 to: XP- 017)					
					
Remove the key, nut and washer from the shaft. Loosen and remove the fastening screws.	Take off the flange.	Take out the gears and upper bush. Warning!! The bush must never be turned.	Invert the positions of the driven and driving shafts. Warning! The body and cover must not be turned. Use the marking on the body as your reference.	Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.	Insert the screws back in place and tighten the nuts with a torque of 11.7 Nm to 13.7 Nm. Check that the shaft turns on completing the operation.
Note: with this rotation change system, the inlets and outlets remain unchanged.					

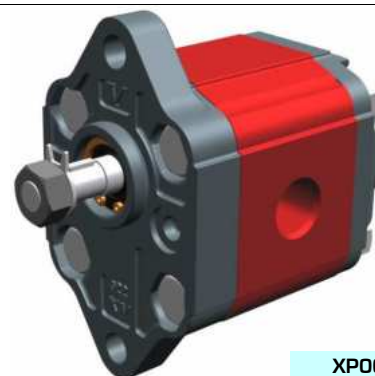
unidirectional pump - series XV

STANDARD PUMP
ø22 FLANGE - PARALLEL SHAFT

XV-OP

X 0 P 06 02 A B B A

Series	X	series XV
Group	0	group 0
Category	P	unidirectional pump
Displacement	06	0.76
Flange	02	Ø22 right rotation
Shaft	A	CI001 - Parallel ø7 - M7x1 - key thk. 2
Body	IN	B inlet - 1/4" GAS
	OUT	B outlet - 1/4" GAS
Cover	A	standard



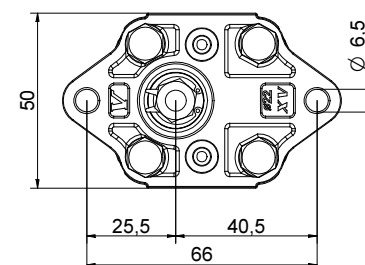
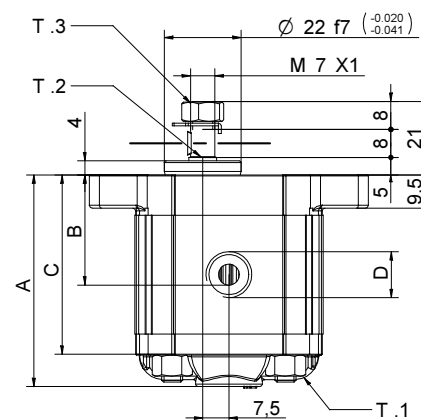
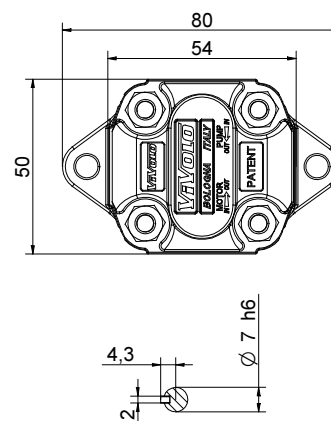
XP001

Technical data table

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



07/12/04 XOP0602ABBA.dft

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

T.3 = 11.5 [Nm] - torque wrench setting 11

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

Table of variations

XV-OP

Standard ø22 FLANGE

Standard ø22 FLANGE			
Left rotation		Right rotation	
	01		02
	03		04
	05		06
	07		08

Shaft				
CI001 - Parallel T.2 = 2.1 [Nm]		A	CF001 - Milled shank T.2 = 9.2 [Nm]	B
CF005 - Milled shank T.2 = 8.4 [Nm]		F	CO001 - Tapered T.2 = 21.9 [Nm]	E

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
		N
		O

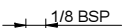
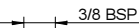
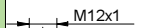
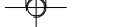
Displacement	
TYPE	CODE
XV-0P/0.17	01
XV-0P/0.25	02
XV-0P/0.45	04
XV-0P/0.57	05
XV-0P/0.76	06
XV-0P/0.98	07
XV-0P/1.27	09
XV-0P/1.52	11
XV-0P/2.30	13

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

Displacement	
TYPE	CODE
XV-OP/0.17	01
XV-OP/0.25	02
XV-OP/0.45	04
XV-OP/0.57	05
XV-OP/0.76	06
XV-OP/0.98	07
XV-OP/1.27	09
XV-OP/1.52	11
XV-OP/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)													
	A		B		C		D		E		F		G
	H		I	Closed Body		Z							

unidirectional pump - series XV

BH TYPE PUMP

Ø22 BODY-SHAPED FLANGE - MILLED SHANK

XV-OP

X 0 P 06 12 B B B A

Series	X	series XV
Group	0	group 0
Category	P	unidirectional pump
Displacement	06	0.76
Flange	12	Ø22 BH right rotation
Shaft	B	CF001 - Milled shank Ø7 - thk.5
Body	IN	B inlet - 1/4" GAS
	OUT	B outlet - 1/4" GAS
Cover	A	standard



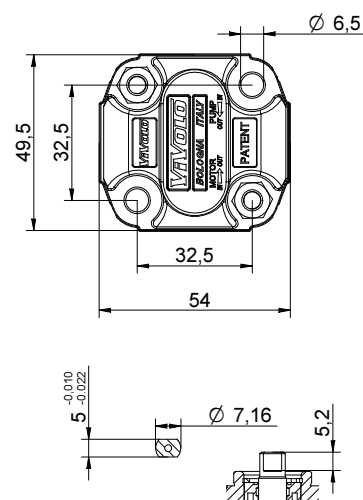
XP012

Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
XV-OP/0.17	0,16	220	260	X 0 P 01 11 B B B A	X 0 P 01 12 B B B A
XV-OP/0.25	0,24	220	260	X 0 P 02 11 B B B A	X 0 P 02 12 B B B A
XV-OP/0.45	0,45	220	280	X 0 P 04 11 B B B A	X 0 P 04 12 B B B A
XV-OP/0.57	0,56	220	280	X 0 P 05 11 B B B A	X 0 P 05 12 B B B A
XV-OP/0.76	0,75	220	280	X 0 P 06 11 B B B A	X 0 P 06 12 B B B A
XV-OP/0.98	0,92	220	280	X 0 P 07 11 B B B A	X 0 P 07 12 B B B A
XV-OP/1.27	1,26	220	280	X 0 P 09 11 B B B A	X 0 P 09 12 B B B A
XV-OP/1.52	1,48	220	280	X 0 P 11 11 B B B A	X 0 P 11 12 B B B A
XV-OP/2.30	2,28	190	210	X 0 P 13 11 B B B A	X 0 P 13 12 B B B A

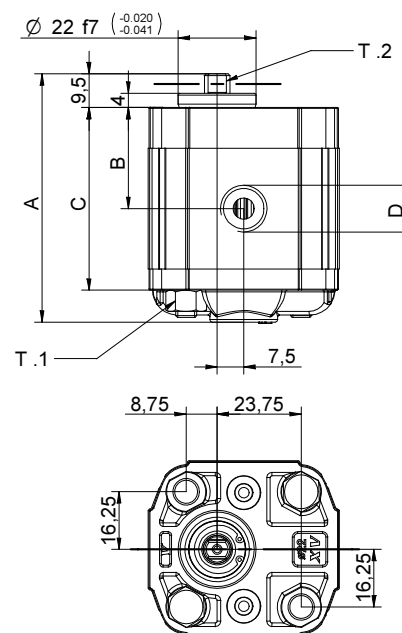
P1) Max. working pressure - P3) Max. peak pressure

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



Dimensions table

TYPE	Weight	A	B	C	D	D
	kg	mm	mm	mm	IN	OUT
XV-OP/0.17	0,400	55,8	26,2	46,8	1/4" BSPP	1/4" BSPP
XV-OP/0.25	0,410	56,4	26,5	47,4	1/4" BSPP	1/4" BSPP
XV-OP/0.45	0,420	58,0	27,3	49,0	1/4" BSPP	1/4" BSPP
XV-OP/0.57	0,430	59,0	27,8	50,0	1/4" BSPP	1/4" BSPP
XV-OP/0.76	0,440	60,5	28,5	51,5	1/4" BSPP	1/4" BSPP
XV-OP/0.98	0,460	62,0	29,3	53,0	1/4" BSPP	1/4" BSPP
XV-OP/1.27	0,480	64,5	30,5	55,5	1/4" BSPP	1/4" BSPP
XV-OP/1.52	0,500	66,5	31,5	57,5	1/4" BSPP	1/4" BSPP
XV-OP/2.30	0,560	72,5	34,5	63,5	1/4" BSPP	1/4" BSPP



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

T.2 = 9.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

07/12/04 XP061288A.dft

Table of variations

XV-OP

ø22 "BH" Body-Shaped FLANGE

ø22 "BH" Body-Shaped FLANGE			
Left rotation		Right rotation	
	11		12
	13		14
	15		16
	17		18

Shaft				
CI001 - Parallel T.2 = 2.1 [Nm] 		A	CF001 - Milled shank T.2 = 9.2 [Nm] 	B
CF005 - Milled shank T.2 = 8.4 [Nm] 		F	CO001 - Tapered T.2 = 21.9 [Nm] 	E

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
		N
		O

Displacement	
TYPE	CODE
XV-0P/0.17	01
XV-0P/0.25	02
XV-0P/0.45	04
XV-0P/0.57	05
XV-0P/0.76	06
XV-0P/0.98	07
XV-0P/1.27	09
XV-0P/1.52	11
XV-0P/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

Displacement	
TYPE	CODE
XV-0P/0.17	01
XV-0P/0.25	02
XV-0P/0.45	04
XV-0P/0.57	05
XV-0P/0.76	06
XV-0P/0.98	07
XV-0P/1.27	09
XV-0P/1.52	11
XV-0P/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)											
	A		B		C		D		E		F
	H		I	Closed Body Z							

unidirectional pump - series XV

HY TYPE PUMP

Ø22 BODY-SHAPED FLANGE - MILLED SHANK

XV-OP

X 0 P 06 22 B B B A

Series	X	series XV
Group	0	group 0
Category	P	unidirectional pump
Displacement	06	0.76
Flange	22	Ø22 HY right rotation
Shaft	B	CF001 - Milled shank Ø7 - thk.5
Body	IN	B inlet - 1/4" GAS
	OUT	B outlet - 1/4" GAS
Cover	A	standard



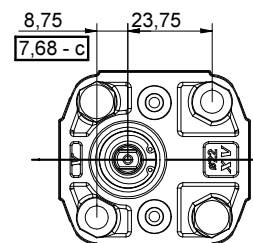
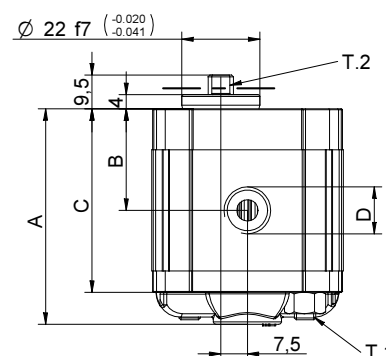
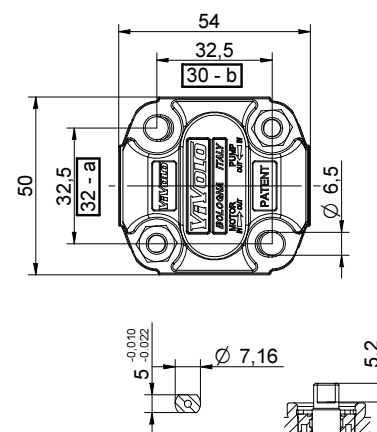
XP017

Technical data table

TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-OP/0.17	0,16	220	260	X 0 P 01 21 B B B A	X 0 P 01 22 B B B A
XV-OP/0.25	0,24	220	260	X 0 P 02 21 B B B A	X 0 P 02 22 B B B A
XV-OP/0.45	0,45	220	280	X 0 P 04 21 B B B A	X 0 P 04 22 B B B A
XV-OP/0.57	0,56	220	280	X 0 P 05 21 B B B A	X 0 P 05 22 B B B A
XV-OP/0.76	0,75	220	280	X 0 P 06 21 B B B A	X 0 P 06 22 B B B A
XV-OP/0.98	0,92	220	280	X 0 P 07 21 B B B A	X 0 P 07 22 B B B A
XV-OP/1.27	1,26	220	280	X 0 P 09 21 B B B A	X 0 P 09 22 B B B A
XV-OP/1.52	1,48	220	280	X 0 P 11 21 B B B A	X 0 P 11 22 B B B A
XV-OP/2.30	2,28	190	210	X 0 P 13 21 B B B A	X 0 P 13 22 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



07/12/04 XP062288A.dft

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

T.2 = 9.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

NOTE: This type of pump is also interchangeable

with distance between centres of fastening in M5 (see dim. a, b, c).

Table of variations

XV-OP

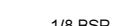
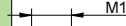
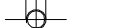
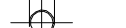
ø22 "HY" Body-Shaped FLANGE

ø22 "HY" Body-Shaped FLANGE				Shaft				Cover			
Left rotation		Right rotation						Left rotation		Right rotation	
	21		22	CI001 - Parallel T.2 = 2.1 [Nm] 	A	CF001 - Milled shank T.2 = 9.2 [Nm] 	B				A
	23		24	CF005 - Milled shank T.2 = 8.4 [Nm] 	F	CO001 - Tapered T.2 = 21.9 [Nm] 	E				B
	25		26								C
	27		28								D
											N
								Internal drainage			
											O
								External drainage			

Displacement	
TYPE	CODE
XV-OP/0.17	01
XV-OP/0.25	02
XV-OP/0.45	04
XV-OP/0.57	05
XV-OP/0.76	06
XV-OP/0.98	07
XV-OP/1.27	09
XV-OP/1.52	11
XV-OP/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)													
	A		B		C		D		E		F		G
	H		I	Closed Body		Z							