

XV-1U

**STANDARD GERMAN "BH" TYPE MOTOR
ø32 BODY-SHAPED FLANGE - MILLED SHANK**

X	1	U	25	32	C	B	B	A
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Series	X	series XV
Group	1	group 1
Category	U	unidirectional motor
Displacement	25	3.8
Flange	32	Ø32 BH GERMAN STARDARDIZED right rotation
Shaft	C	CF001 - Milled shank ø10 - thk.5 ("BH" Standard German)
Body	IN	B inlet - 3/8" GAS
	OUT	B outlet - 3/8" GAS
Cover	A	standard



XU161

Technical data table

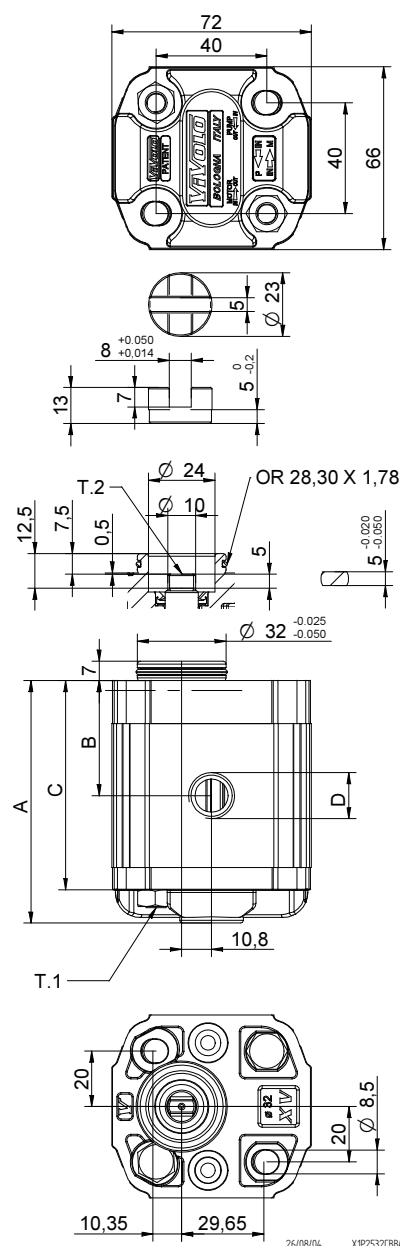
TYPE	Displacement	Max. Pressure		CODE																	
	cm3/rev	P1 bar	P3 bar	 Left rotation								 Right rotation									
XV-1U/0.9	0,91	240	280	X	1	U	16	31	C	B	B	A	X	1	U	16	32	C	B	B	A
XV-1U/1.2	1,17	250	290	X	1	U	17	31	C	B	B	A	X	1	U	17	32	C	B	B	A
XV-1U/1.7	1,56	250	290	X	1	U	18	31	C	B	B	A	X	1	U	18	32	C	B	B	A
XV-1U/2.2	2,08	250	290	X	1	U	20	31	C	B	B	A	X	1	U	20	32	C	B	B	A
XV-1U/2.6	2,60	250	300	X	1	U	21	31	C	B	B	A	X	1	U	21	32	C	B	B	A
XV-1U/3.2	3,12	250	300	X	1	U	23	31	C	B	B	A	X	1	U	23	32	C	B	B	A
XV-1U/3.8	3,64	250	300	X	1	U	25	31	C	B	B	A	X	1	U	25	32	C	B	B	A
XV-1U/4.3	4,16	250	300	X	1	U	27	31	C	B	B	A	X	1	U	27	32	C	B	B	A
XV-1U/4.9	4,94	250	300	X	1	U	29	31	C	B	B	A	X	1	U	29	32	C	B	B	A
XV-1U/5.9	5,85	250	300	X	1	U	31	31	C	B	B	A	X	1	U	31	32	C	B	B	A
XV-1U/6.5	6,50	250	300	X	1	U	32	31	C	B	B	A	X	1	U	32	32	C	B	B	A
XV-1U/7.8	7,54	220	260	X	1	U	34	31	C	B	B	A	X	1	U	34	32	C	B	B	A
XV-1U/9.8	9,88	190	230	X	1	U	36	31	C	B	B	A	X	1	U	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	C	D	D
	kg	mm	mm	mm	IN	OUT
XV-1U/0.9	0,950	77,1	36,3	65,1	3/8" BSPP	3/8" BSPP
XV-1U/1.2	0,970	78,0	36,8	66,0	3/8" BSPP	3/8" BSPP
XV-1U/1.7	1,010	79,5	37,5	67,5	3/8" BSPP	3/8" BSPP
XV-1U/2.2	1,030	81,5	38,5	69,5	3/8" BSPP	3/8" BSPP
XV-1U/2.6	1,060	83,5	39,5	71,5	3/8" BSPP	3/8" BSPP
XV-1U/3.2	1,090	85,5	40,5	73,5	3/8" BSPP	3/8" BSPP
XV-1U/3.8	1,120	87,5	41,5	75,5	3/8" BSPP	3/8" BSPP
XV-1U/4.3	1,170	89,5	42,5	77,5	3/8" BSPP	3/8" BSPP
XV-1U/4.9	1,200	92,5	44,0	80,5	3/8" BSPP	3/8" BSPP
XV-1U/5.9	1,260	96,0	45,8	84,0	3/8" BSPP	3/8" BSPP
XV-1U/6.5	1,300	97,5	47,0	85,5	3/8" BSPP	3/8" BSPP
XV-1U/7.8	1,360	102,5	49,0	90,5	3/8" BSPP	3/8" BSPP
XV-1U/9.8	1,500	111,5	53,5	99,5	3/8" BSPP	3/8" BSPP



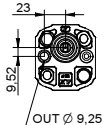
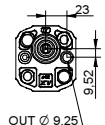
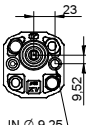
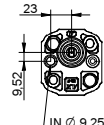
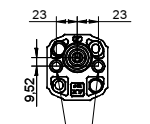
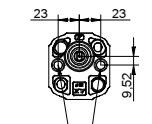
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8

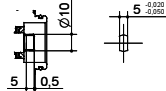
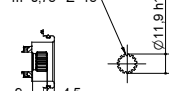
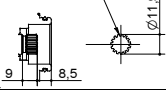
$T.2 = 13.8 \text{ [Nm]}$ - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

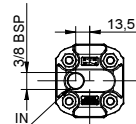
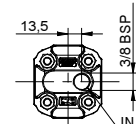
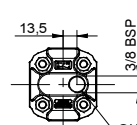
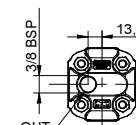
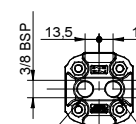
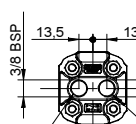
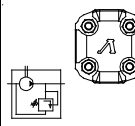
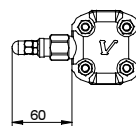
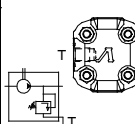
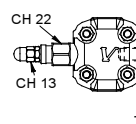
Table of variations

XV-1U

Standard German ø32 "BH" FLANGE

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

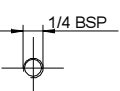
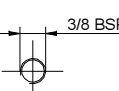
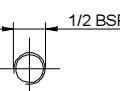
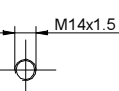
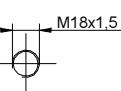
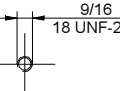
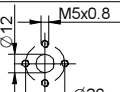
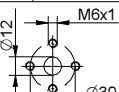
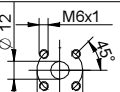
Shaft	
Left rotation	Right rotation
	
	

Cover	
Left rotation	Right rotation
	
	
	
	
	
	

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		

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

Table showing standard flange and thread combinations available in stock

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