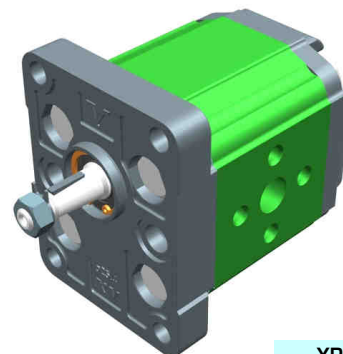


XV-1P

STANDARD EUROPEAN PUMP ø25.4 FLANGE - TAPER SHAFT

X	1	P	25	02	F	I	I	A
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Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	02	Ø25.4 STANDARD EUROPEAN right rotation
Shaft	F	CO001 - Tapered 1:8 - Ø10 - M7x1 - key thk.2.4
Body	IN	inlet - Ø30 Ø12 M6
	OUT	outlet - Ø30 Ø12 M6
Cover	A	standard



XP101

Technical data table

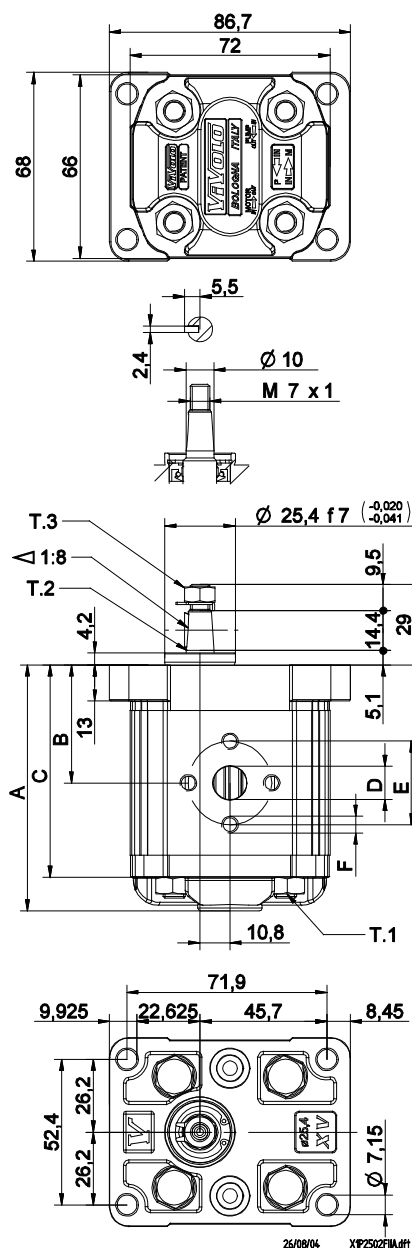
TYPE	Displacement	Max. Pressure		CODE																	
	cm3/rev	P1 bar	P3 bar	 Left rotation								 Right rotation									
XV-1P/0.9	0,91	240	280	X	1	P	16	01	F	I	I	A	X	1	P	16	02	F	I	I	A
XV-1P/1.2	1,17	250	290	X	1	P	17	01	F	I	I	A	X	1	P	17	02	F	I	I	A
XV-1P/1.7	1,56	250	290	X	1	P	18	01	F	I	I	A	X	1	P	18	02	F	I	I	A
XV-1P/2.2	2,08	250	290	X	1	P	20	01	F	I	I	A	X	1	P	20	02	F	I	I	A
XV-1P/2.6	2,60	250	300	X	1	P	21	01	F	I	I	A	X	1	P	21	02	F	I	I	A
XV-1P/3.2	3,12	250	300	X	1	P	23	01	F	I	I	A	X	1	P	23	02	F	I	I	A
XV-1P/3.8	3,64	250	300	X	1	P	25	01	F	I	I	A	X	1	P	25	02	F	I	I	A
XV-1P/4.3	4,16	250	300	X	1	P	27	01	F	I	I	A	X	1	P	27	02	F	I	I	A
XV-1P/4.9	4,94	250	300	X	1	P	29	01	F	I	I	A	X	1	P	29	02	F	I	I	A
XV-1P/5.9	5,85	250	300	X	1	P	31	01	F	I	I	A	X	1	P	31	02	F	I	I	A
XV-1P/6.5	6,50	250	300	X	1	P	32	01	F	I	I	A	X	1	P	32	02	F	I	I	A
XV-1P/7.8	7,54	220	260	X	1	P	34	01	F	I	I	A	X	1	P	34	02	F	I	I	A
XV-1P/9.8	9,88	190	230	X	1	P	36	01	F	I	I	A	X	1	P	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	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-1P/0.9	0,950	78,1	37,3	66,1	ø12	30	M6x1	ø12	30	M6x1
XV-1P/1.2	0,970	79,0	37,8	67,0	ø12	30	M6x1	ø12	30	M6x1
XV-1P/1.7	1,010	80,5	38,5	68,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/2.2	1,030	82,5	39,5	70,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/2.6	1,060	84,5	40,5	72,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/3.2	1,090	86,5	41,5	74,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/3.8	1,120	88,5	42,5	76,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/4.3	1,170	90,5	43,5	78,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/4.9	1,200	93,5	45,0	81,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/5.9	1,260	97,0	46,8	85,0	ø12	30	M6x1	ø12	30	M6x1
XV-1P/6.5	1,300	98,5	48,0	86,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/7.8	1,360	103,5	50,0	91,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/9.8	1,500	112,5	54,5	100,5	ø12	30	M6x1	ø12	30	M6x1



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

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

T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

XV-1P

ø25.4 FLANGE

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

Shaft	
CO001 - Tapered T.2 = 43 [Nm] 	CF002 - Milled shank T.2 = 13.8 [Nm]
SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9 	SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15
SCF01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	SCF03 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15

Cover	
Left rotation	Right rotation

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

Standard bodies							
Displacementcm3/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	

Internal drainage	
External drainage	

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										

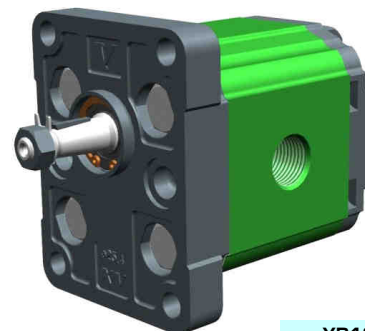
unidirectional pump - series XV

STANDARD EUROPEAN PUMP
ø25.4 FLANGE - TAPER SHAFT

XV-1P

X	1	P	25	02	F	B	B	A
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Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	02	Ø25.4 STANDARD EUROPEAN right rotation
Shaft	F	CO001 - Tapered 1:8 - ø10 - M7x1 - key thk.2.4
Body	IN	B inlet - 3/8" GAS
	OUT	B outlet - 3/8" GAS
Cover	A	standard



XP105

Technical data table

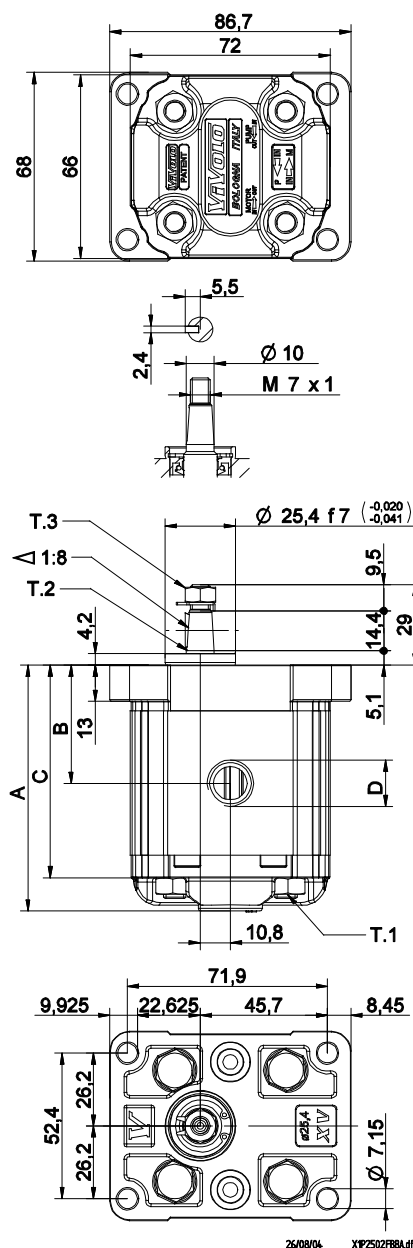
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-1P/0.9	0,91	240	280	X 1 P 16 01 F B B A	X 1 P 16 02 F B B A
XV-1P/1.2	1,17	250	290	X 1 P 17 01 F B B A	X 1 P 17 02 F B B A
XV-1P/1.7	1,56	250	290	X 1 P 18 01 F B B A	X 1 P 18 02 F B B A
XV-1P/2.2	2,08	250	290	X 1 P 20 01 F B B A	X 1 P 20 02 F B B A
XV-1P/2.6	2,60	250	300	X 1 P 21 01 F B B A	X 1 P 21 02 F B B A
XV-1P/3.2	3,12	250	300	X 1 P 23 01 F B B A	X 1 P 23 02 F B B A
XV-1P/3.8	3,64	250	300	X 1 P 25 01 F B B A	X 1 P 25 02 F B B A
XV-1P/4.3	4,16	250	300	X 1 P 27 01 F B B A	X 1 P 27 02 F B B A
XV-1P/4.9	4,94	250	300	X 1 P 29 01 F B B A	X 1 P 29 02 F B B A
XV-1P/5.9	5,85	250	300	X 1 P 31 01 F B B A	X 1 P 31 02 F B B A
XV-1P/6.5	6,50	250	300	X 1 P 32 01 F B B A	X 1 P 32 02 F B B A
XV-1P/7.8	7,54	220	260	X 1 P 34 01 F B B A	X 1 P 34 02 F B B A
XV-1P/9.8	9,88	190	230	X 1 P 36 01 F B B A	X 1 P 36 02 F 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 kg	A	B	C	D	D
		mm	mm	mm	IN	OUT
XV-1P/0.9	0,950	78,1	37,3	66,1	3/8" BSPP	3/8" BSPP
XV-1P/1.2	0,970	79,0	37,8	67,0	3/8" BSPP	3/8" BSPP
XV-1P/1.7	1,010	80,5	38,5	68,5	3/8" BSPP	3/8" BSPP
XV-1P/2.2	1,030	82,5	39,5	70,5	3/8" BSPP	3/8" BSPP
XV-1P/2.6	1,060	84,5	40,5	72,5	3/8" BSPP	3/8" BSPP
XV-1P/3.2	1,090	86,5	41,5	74,5	3/8" BSPP	3/8" BSPP
XV-1P/3.8	1,120	88,5	42,5	76,5	3/8" BSPP	3/8" BSPP
XV-1P/4.3	1,170	90,5	43,5	78,5	3/8" BSPP	3/8" BSPP
XV-1P/4.9	1,200	93,5	45,0	81,5	3/8" BSPP	3/8" BSPP
XV-1P/5.9	1,260	97,0	46,8	85,0	3/8" BSPP	3/8" BSPP
XV-1P/6.5	1,300	98,5	48,0	86,5	3/8" BSPP	3/8" BSPP
XV-1P/7.8	1,360	103,5	50,0	91,5	3/8" BSPP	3/8" BSPP
XV-1P/9.8	1,500	112,5	54,5	100,5	3/8" BSPP	3/8" BSPP



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

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

T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

XV-1P

ø25.4 FLANGE

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

Shaft	
CO001 - Tapered T.2 = 43 [Nm] 	CF002 - Milled shank T.2 = 13.8 [Nm]
SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9 	SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15
SCF01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	SCF03 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15

Cover	
Left rotation	Right rotation

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

Standard bodies							
Displacementcm3/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	

Internal drainage	
External drainage	

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										

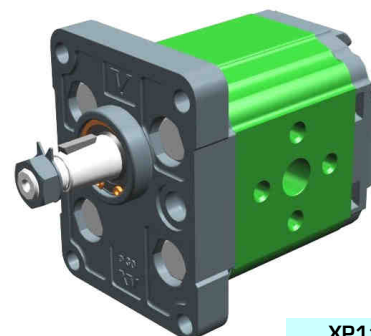
unidirectional pump - series XV

STANDARD PUMP
ø30 FLANGE - TAPER SHAFT

XV-1P

X 1 P 25 12 G I I A

Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	12	Ø30 STANDARD right rotation
Shaft	G	CO002 - Tapered 1:8 - ø14 - M10x1 - key thk.3
Body	IN	I inlet - Ø30 Ø12 M6
	OUT	I outlet - Ø30 Ø12 M6
Cover	A	standard



XP113

Technical data table

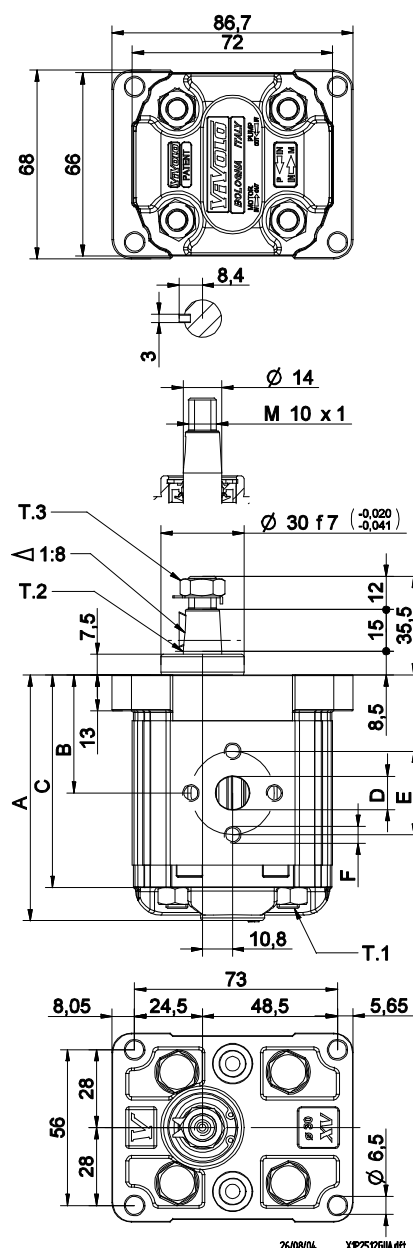
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-1P/0.9	0,91	240	280	X 1 P 16 11 G I I A	X 1 P 16 12 G I I A
XV-1P/1.2	1,17	250	290	X 1 P 17 11 G I I A	X 1 P 17 12 G I I A
XV-1P/1.7	1,56	250	290	X 1 P 18 11 G I I A	X 1 P 18 12 G I I A
XV-1P/2.2	2,08	250	290	X 1 P 20 11 G I I A	X 1 P 20 12 G I I A
XV-1P/2.6	2,60	250	300	X 1 P 21 11 G I I A	X 1 P 21 12 G I I A
XV-1P/3.2	3,12	250	300	X 1 P 23 11 G I I A	X 1 P 23 12 G I I A
XV-1P/3.8	3,64	250	300	X 1 P 25 11 G I I A	X 1 P 25 12 G I I A
XV-1P/4.3	4,16	250	300	X 1 P 27 11 G I I A	X 1 P 27 12 G I I A
XV-1P/4.9	4,94	250	300	X 1 P 29 11 G I I A	X 1 P 29 12 G I I A
XV-1P/5.9	5,85	250	300	X 1 P 31 11 G I I A	X 1 P 31 12 G I I A
XV-1P/6.5	6,50	250	300	X 1 P 32 11 G I I A	X 1 P 32 12 G I I A
XV-1P/7.8	7,54	220	260	X 1 P 34 11 G I I A	X 1 P 34 12 G I I A
XV-1P/9.8	9,88	190	230	X 1 P 36 11 G I I A	X 1 P 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 kg	A	B	C	D	E	F	D	E	F
		mm	mm	mm	IN			OUT		
XV-1P/0.9	0,950	78,1	37,3	66,1	ø12	30	M6x1	ø12	30	M6x1
XV-1P/1.2	0,970	79,0	37,8	67,0	ø12	30	M6x1	ø12	30	M6x1
XV-1P/1.7	1,010	80,5	38,5	68,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/2.2	1,030	82,5	39,5	70,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/2.6	1,060	84,5	40,5	72,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/3.2	1,090	86,5	41,5	74,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/3.8	1,120	88,5	42,5	76,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/4.3	1,170	90,5	43,5	78,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/4.9	1,200	93,5	45,0	81,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/5.9	1,260	97,0	46,8	85,0	ø12	30	M6x1	ø12	30	M6x1
XV-1P/6.5	1,300	98,5	48,0	86,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/7.8	1,360	103,5	50,0	91,5	ø12	30	M6x1	ø12	30	M6x1
XV-1P/9.8	1,500	112,5	54,5	100,5	ø12	30	M6x1	ø12	30	M6x1



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

T.3 = 13 [Nm] - torque wrench setting 17

T.2 = 119.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

XV-1P

ø30 FLANGE

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

Shaft			
Left rotation		Right rotation	
CI001 - Parallel T.2 = 25.8 [Nm] 	A	CO002 - Tapered T.2 = 119.8 [Nm] 	G
CI001+HK - Parallel T.2 = 25.8 [Nm] 	P	CO002+HK - Tapered T.2 = 119.8 [Nm] 	O

Cover			
Left rotation		Right rotation	
	A		A
	B		B
	C		C
	D		D
	N		N
	O		O

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

Standard bodies								
Displacementcm3/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
	H		I		J		Z				

unidirectional pump - series XV

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

XV-1P

X	1	P	25	42	D	B	B	A
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Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	42	Ø32 BH right rotation
Shaft	D	CF002 - Milled shank ø10 - thk.5
Body	IN	B inlet - 3/8" GAS
	OUT	B outlet - 3/8" GAS
Cover	A	standard



XP119

Technical data table

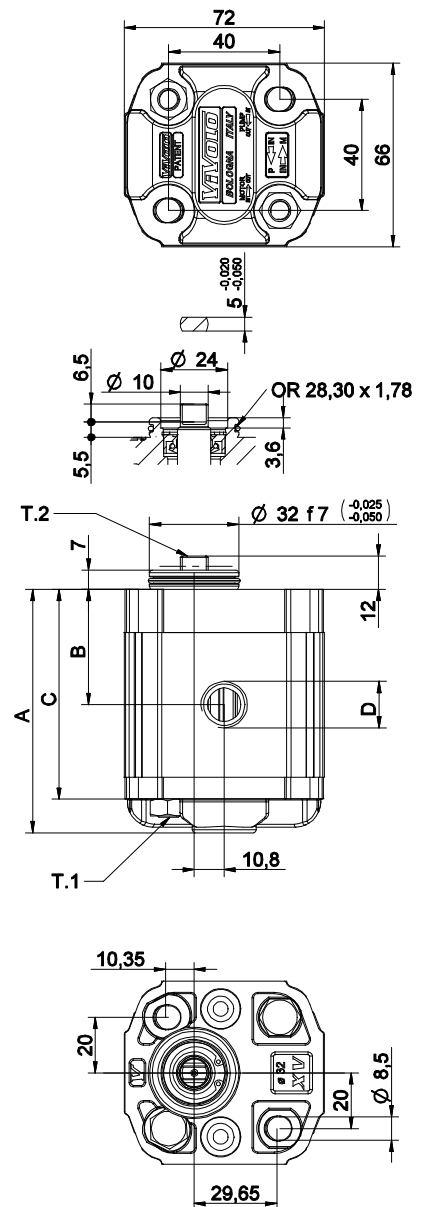
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-1P/0.9	0,91	240	280	X 1 P 16 41 D B B A	X 1 P 16 42 D B B A
XV-1P/1.2	1,17	250	290	X 1 P 17 41 D B B A	X 1 P 17 42 D B B A
XV-1P/1.7	1,56	250	290	X 1 P 18 41 D B B A	X 1 P 18 42 D B B A
XV-1P/2.2	2,08	250	290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



26/08/04 XP254208BAff

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

XV-1P

ø32 "BH" Body-Shaped FLANGE

ø32 "BH" Body-Shaped FLANGE				Shaft				Cover			
Left rotation		Right rotation						Left rotation		Right rotation	

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

Standard bodies								
Displacementcm3/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
	H		I		J		Z				

unidirectional pump - series XV

"HY" TYPE PUMP

ø32 BODY-SHAPED FLANGE - MILLED SHANK

XV-1P

X	1	P	25	52	D	B	B	A
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Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	52	Ø32 HY right rotation
Shaft	D	CF002 - Milled shank ø10 - thk.5
Body	IN	B inlet - 3/8" GAS
	OUT	B outlet - 3/8" GAS
Cover	A	standard



XP140

Technical data table

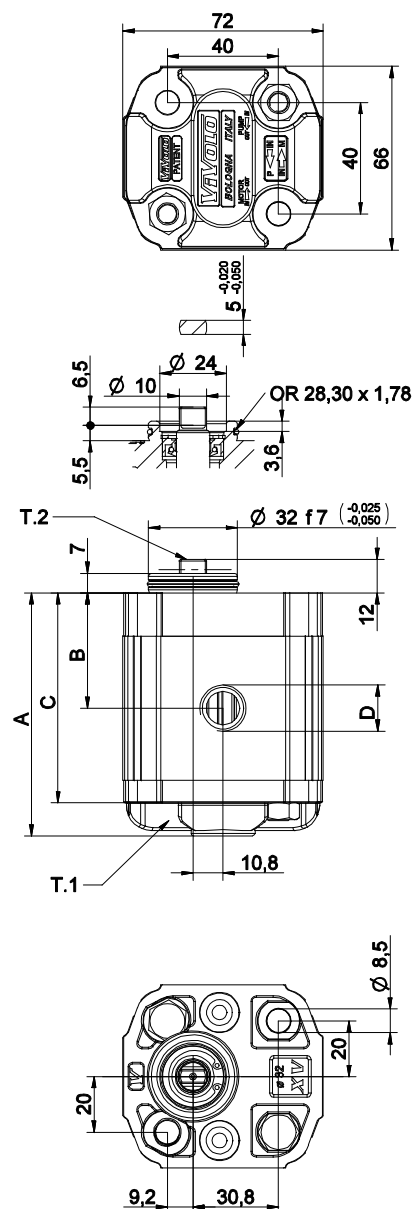
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-1P/0.9	0,91	240	280	X 1 P 16 51 D B B A	X 1 P 16 52 D B B A
XV-1P/1.2	1,17	250	290	X 1 P 17 51 D B B A	X 1 P 17 52 D B B A
XV-1P/1.7	1,56	250	290	X 1 P 18 51 D B B A	X 1 P 18 52 D B B A
XV-1P/2.2	2,08	250	290	X 1 P 20 51 D B B A	X 1 P 20 52 D B B A
XV-1P/2.6	2,60	250	300	X 1 P 21 51 D B B A	X 1 P 21 52 D B B A
XV-1P/3.2	3,12	250	300	X 1 P 23 51 D B B A	X 1 P 23 52 D B B A
XV-1P/3.8	3,64	250	300	X 1 P 25 51 D B B A	X 1 P 25 52 D B B A
XV-1P/4.3	4,16	250	300	X 1 P 27 51 D B B A	X 1 P 27 52 D B B A
XV-1P/4.9	4,94	250	300	X 1 P 29 51 D B B A	X 1 P 29 52 D B B A
XV-1P/5.9	5,85	250	300	X 1 P 31 51 D B B A	X 1 P 31 52 D B B A
XV-1P/6.5	6,50	250	300	X 1 P 32 51 D B B A	X 1 P 32 52 D B B A
XV-1P/7.8	7,54	220	260	X 1 P 34 51 D B B A	X 1 P 34 52 D B B A
XV-1P/9.8	9,88	190	230	X 1 P 36 51 D B B A	X 1 P 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	C	D	D
	kg	mm	mm	mm	IN	OUT
XV-1P/0.9	0,950	77,1	36,3	65,1	3/8" BSPP	3/8" BSPP
XV-1P/1.2	0,970	78,0	36,8	66,0	3/8" BSPP	3/8" BSPP
XV-1P/1.7	1,010	79,5	37,5	67,5	3/8" BSPP	3/8" BSPP
XV-1P/2.2	1,030	81,5	38,5	69,5	3/8" BSPP	3/8" BSPP
XV-1P/2.6	1,060	83,5	39,5	71,5	3/8" BSPP	3/8" BSPP
XV-1P/3.2	1,090	85,5	40,5	73,5	3/8" BSPP	3/8" BSPP
XV-1P/3.8	1,120	87,5	41,5	75,5	3/8" BSPP	3/8" BSPP
XV-1P/4.3	1,170	89,5	42,5	77,5	3/8" BSPP	3/8" BSPP
XV-1P/4.9	1,200	92,5	44,0	80,5	3/8" BSPP	3/8" BSPP
XV-1P/5.9	1,260	96,0	45,8	84,0	3/8" BSPP	3/8" BSPP
XV-1P/6.5	1,300	97,5	47,0	85,5	3/8" BSPP	3/8" BSPP
XV-1P/7.8	1,360	102,5	49,0	90,5	3/8" BSPP	3/8" BSPP
XV-1P/9.8	1,500	111,5	53,5	99,5	3/8" BSPP	3/8" BSPP



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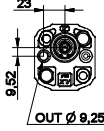
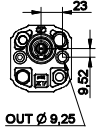
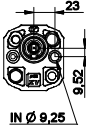
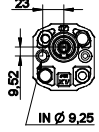
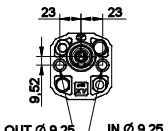
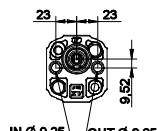
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8

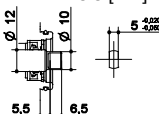
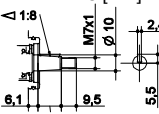
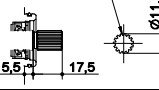
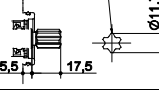
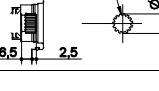
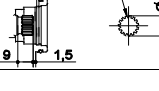
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

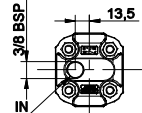
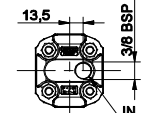
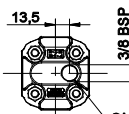
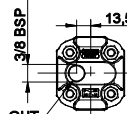
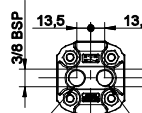
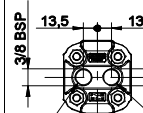
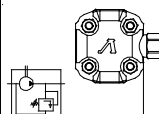
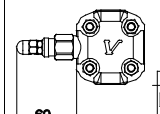
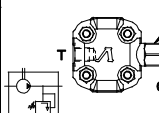
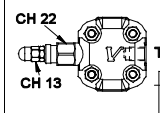
Table of variations

XV-1P

ø32 "HY" Body-Shaped FLANGE

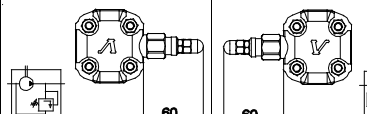
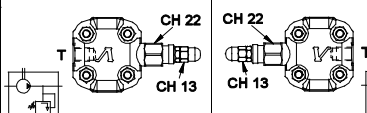
ø32 "HY" Body-Shaped FLANGE			
Left rotation		Right rotation	
	51		52
	53		54
	55		56
	57		58

Shaft	
D	
CF002 - Milled shank T.2 = 13.8 [Nm] 	CO001 - Tapered T.2 = 43 [Nm] 
L	
SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9 
Q	
SCF01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	SCF03 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 

Cover	
Left rotation	Right rotation
	
	
	
	
	
	

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

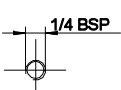
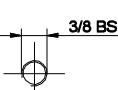
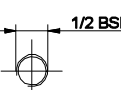
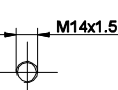
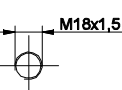
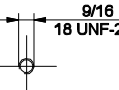
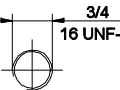
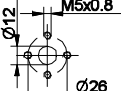
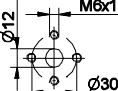
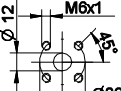
Standard bodies							
Displacementcm3/rev	Standard threads						
0.9	I - I	B - B	J - J	B - Z	Z - Z	G - F	
1.2	I - I	B - B	J - J	B - Z	Z - Z	G - F	
1.7	I - I	B - B	J - J	B - Z	Z - Z	G - F	
2.2	I - I	B - B	J - J	B - Z	Z - Z	G - F	
2.6	I - I	B - B	J - J	B - Z	Z - Z	G - F	
3.2	I - I	B - B	J - J	B - Z	Z - 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	

		N
		O

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

Standard bodies								
Displacementcm3/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					

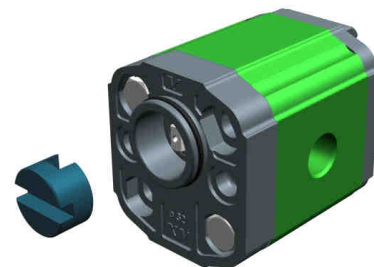
unidirectional pump - series XV

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

XV-1P

X	1	P	25	32	C	B	B	A
---	---	---	----	----	---	---	---	---

Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	32	Ø32 BH GERMAN STANDARDIZED 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



XP161

Technical data table

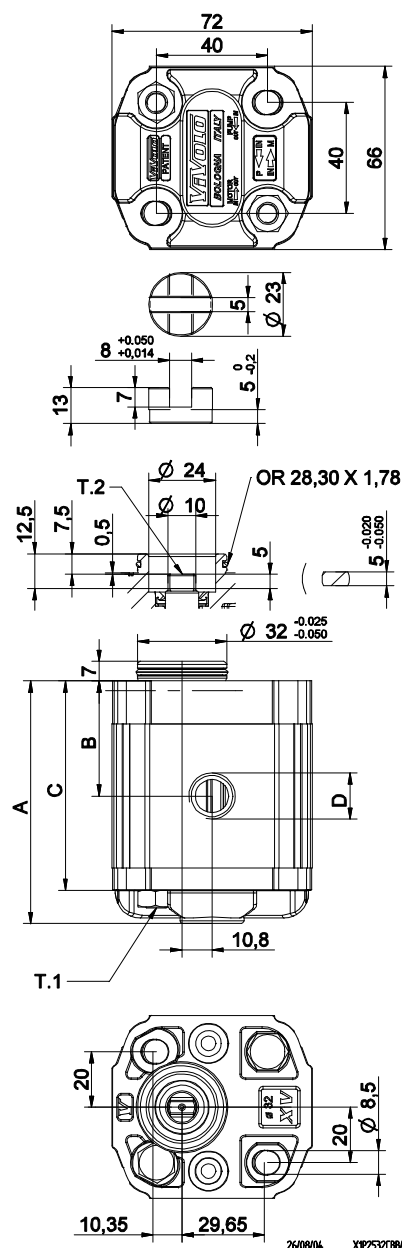
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-1P/0.9	0,91	240	280	X 1 P 16 31 C B B A	X 1 P 16 32 C B B A
XV-1P/1.2	1,17	250	290	X 1 P 17 31 C B B A	X 1 P 17 32 C B B A
XV-1P/1.7	1,56	250	290	X 1 P 18 31 C B B A	X 1 P 18 32 C B B A
XV-1P/2.2	2,08	250	290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



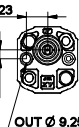
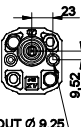
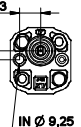
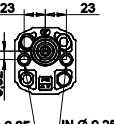
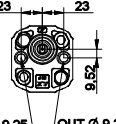
T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8

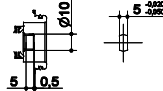
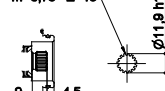
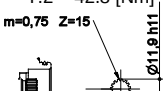
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

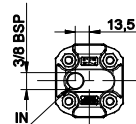
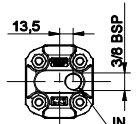
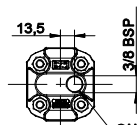
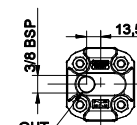
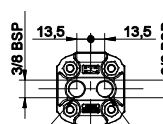
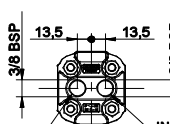
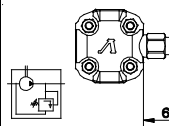
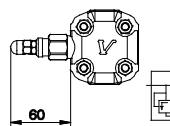
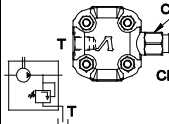
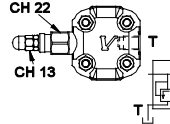
Table of variations

XV-1P

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
CF001 - Milled shank T.2 = 13.8 [Nm] 	SCF01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 Ø11.8 h11 
SCF03 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 Ø11.8 h11 	

Cover	
Left rotation	Right rotation
	
	
	
	
	
	

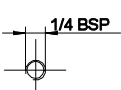
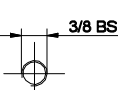
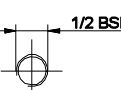
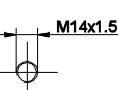
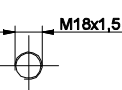
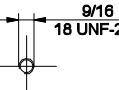
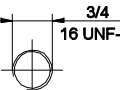
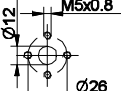
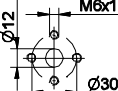
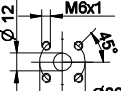
Displacement	
TYPE	CODE
XV-1P/0.9	16
XV-1P/1.2	17
XV-1P/1.7	18
XV-1P/2.2	20
XV-1P/2.6	21
XV-1P/3.2	23
XV-1P/3.8	25
XV-1P/4.3	27
XV-1P/4.9	29
XV-1P/5.9	31
XV-1P/6.5	32
XV-1P/7.8	34
XV-1P/9.8	36

Standard bodies							
Displacementcm3/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-1P/0.9	16
XV-1P/1.2	17
XV-1P/1.7	18
XV-1P/2.2	20
XV-1P/2.6	21
XV-1P/3.2	23
XV-1P/3.8	25
XV-1P/4.3	27
XV-1P/4.9	29
XV-1P/5.9	31
XV-1P/6.5	32
XV-1P/7.8	34
XV-1P/9.8	36

Standard bodies								
Displacementcm3/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					

unidirectional pump - series XV

"SAE AA" TYPE PUMP
ø50.8 FLANGE - PARALLEL SHAFT

XV-1P

X	1	P	25	62	B	B	B	A
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Series	X	series XV
Group	1	group 1
Category	P	unidirectional pump
Displacement	25	3.8
Flange	62	Ø50.8 SAE AA right rotation
Shaft	B	CI002 - Parallel ø12.7 - key thk. 3.2 (SAE AA)
Body	IN	B inlet - 3/8" GAS
	OUT	B outlet - 3/8" GAS
Cover	A	standard



XP168

Technical data table

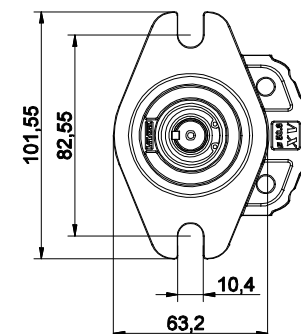
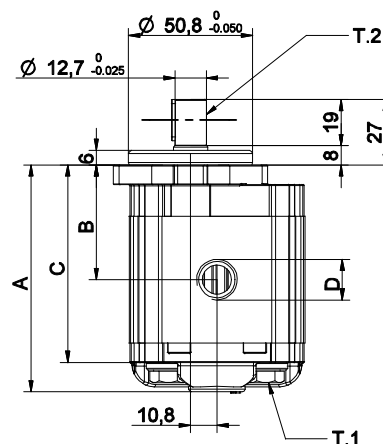
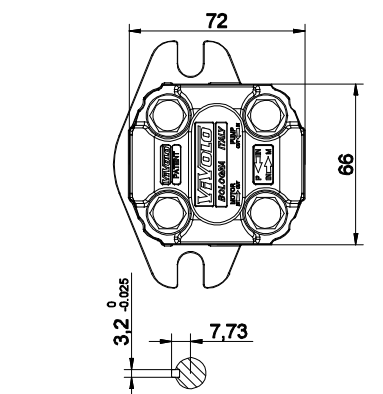
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	Left rotation	Right rotation
XV-1P/0.9	0,91	240	280	X 1 P 16 61 B B B A	X 1 P 16 62 B B B A
XV-1P/1.2	1,17	250	290	X 1 P 17 61 B B B A	X 1 P 17 62 B B B A
XV-1P/1.7	1,56	250	290	X 1 P 18 61 B B B A	X 1 P 18 62 B B B A
XV-1P/2.2	2,08	250	290	X 1 P 20 61 B B B A	X 1 P 20 62 B B B A
XV-1P/2.6	2,60	250	300	X 1 P 21 61 B B B A	X 1 P 21 62 B B B A
XV-1P/3.2	3,12	250	300	X 1 P 23 61 B B B A	X 1 P 23 62 B B B A
XV-1P/3.8	3,64	250	300	X 1 P 25 61 B B B A	X 1 P 25 62 B B B A
XV-1P/4.3	4,16	250	300	X 1 P 27 61 B B B A	X 1 P 27 62 B B B A
XV-1P/4.9	4,94	250	300	X 1 P 29 61 B B B A	X 1 P 29 62 B B B A
XV-1P/5.9	5,85	250	300	X 1 P 31 61 B B B A	X 1 P 31 62 B B B A
XV-1P/6.5	6,50	250	300	X 1 P 32 61 B B B A	X 1 P 32 62 B B B A
XV-1P/7.8	7,54	220	260	X 1 P 34 61 B B B A	X 1 P 34 62 B B B A
XV-1P/9.8	9,88	190	230	X 1 P 36 61 B B B A	X 1 P 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 kg	A	B	C	D	D
		mm	mm	mm	IN	OUT
XV-1P/0.9	1,000	82,6	41,8	70,6	3/8" BSPP	3/8" BSPP
XV-1P/1.2	1,020	83,5	42,3	71,5	3/8" BSPP	3/8" BSPP
XV-1P/1.7	1,060	85,0	43,0	73,0	3/8" BSPP	3/8" BSPP
XV-1P/2.2	1,080	87,0	44,0	75,0	3/8" BSPP	3/8" BSPP
XV-1P/2.6	1,110	89,0	45,0	77,0	3/8" BSPP	3/8" BSPP
XV-1P/3.2	1,140	91,0	46,0	79,0	3/8" BSPP	3/8" BSPP
XV-1P/3.8	1,170	93,0	47,0	81,0	3/8" BSPP	3/8" BSPP
XV-1P/4.3	1,220	95,0	48,0	83,0	3/8" BSPP	3/8" BSPP
XV-1P/4.9	1,250	98,0	49,5	86,0	3/8" BSPP	3/8" BSPP
XV-1P/5.9	1,310	101,5	51,3	89,5	3/8" BSPP	3/8" BSPP
XV-1P/6.5	1,350	105,0	52,5	93,0	3/8" BSPP	3/8" BSPP
XV-1P/7.8	1,410	108,0	54,5	96,0	3/8" BSPP	3/8" BSPP
XV-1P/9.8	1,550	117,0	59,0	105,0	3/8" BSPP	3/8" BSPP



26/08/04 XP256288A.dft

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).