

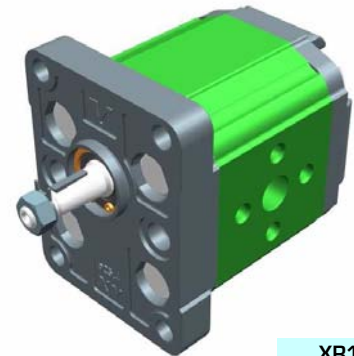
# reversible pump - series XV

STANDARD EUROPEAN PUMP  
 ø25.4 FLANGE - TAPER SHAFT

**XV-1R**

**X 1 R 25 01 F I I E**

Series	X	series XV
Group	1	group 1
Category	R	reversible pump
Displacement	25	3.8
Flange	01	Ø25.4 STANDARD EUROPEAN reversible 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	E	with drainage 1/4" BSP



XR101

Technical data table

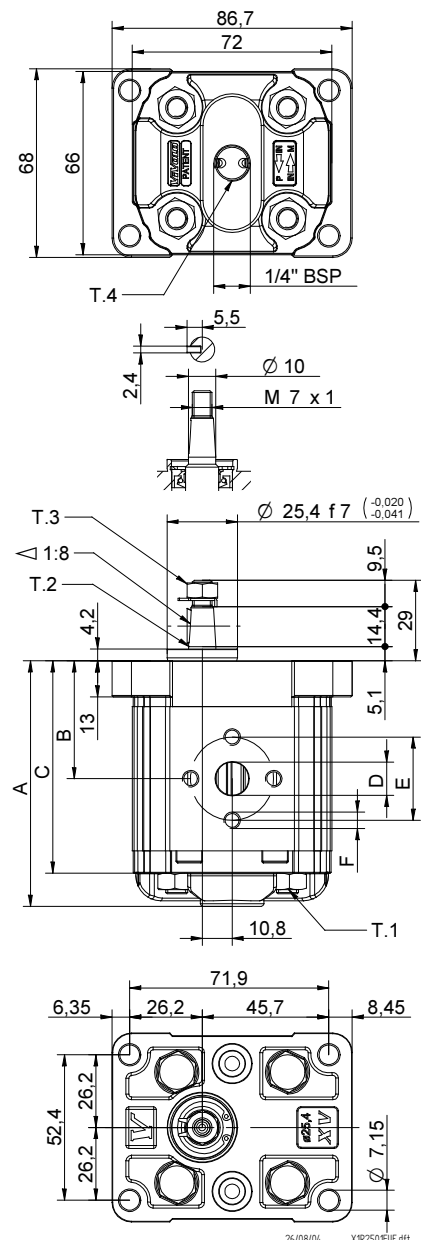
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	External drainage	Internal drainage
XV-1R/0.9	0,91	240	280	X 1 R 16 01 F I I E	X 1 R 16 01 F I I F
XV-1R/1.2	1,17	250	290	X 1 R 17 01 F I I E	X 1 R 17 01 F I I F
XV-1R/1.7	1,56	250	290	X 1 R 18 01 F I I E	X 1 R 18 01 F I I F
XV-1R/2.2	2,08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

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-1R/0.9	0,950	78,1	37,3	66,1	ø12	30	M6x1	ø12	30	M6x1
XV-1R/1.2	0,970	79,0	37,8	67,0	ø12	30	M6x1	ø12	30	M6x1
XV-1R/1.7	1,010	80,5	38,5	68,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/2.2	1,030	82,5	39,5	70,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/2.6	1,060	84,5	40,5	72,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/3.2	1,090	86,5	41,5	74,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/3.8	1,120	88,5	42,5	76,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/4.3	1,170	90,5	43,5	78,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/4.9	1,200	93,5	45,0	81,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/5.9	1,260	97,0	46,8	85,0	ø12	30	M6x1	ø12	30	M6x1
XV-1R/6.5	1,300	98,5	48,0	86,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/7.8	1,360	103,5	50,0	91,5	ø12	30	M6x1	ø12	30	M6x1
XV-1R/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


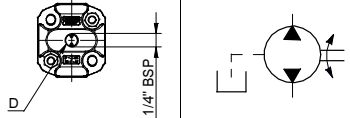
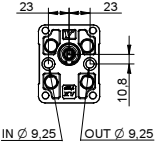
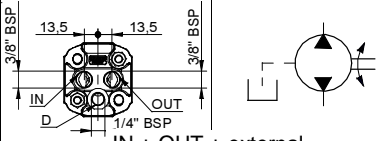
T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

T.4 = 0.3÷0.5 bar - max. drainage pressure

# Table of variations

**XV-1R**

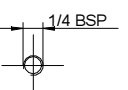
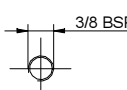
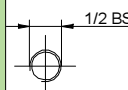
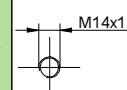
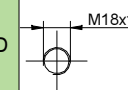
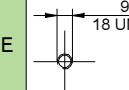
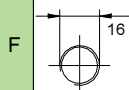
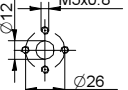
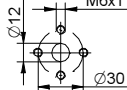
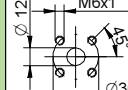
## ø25.4 FLANGE

ø25.4 FLANGE		Shaft		Cover			
	01	CO001 - Tapered T.2 = 43 [Nm]	F	CF002 - Milled shank T.2 = 13.8 [Nm]	D	 External drainage	E
		 IN Ø 9,25    OUT Ø 9,25	04	SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9	J		
		SCF01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15	Q	SCF03 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15	R	 IN + OUT + external	K

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

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

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						

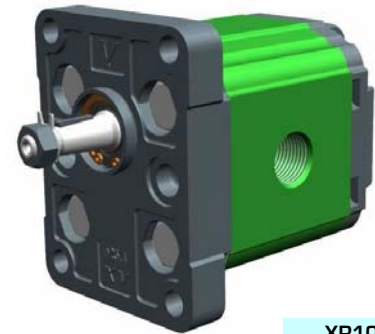
# reversible pump - series XV

STANDARD EUROPEAN PUMP  
 ø25.4 FLANGE - TAPER SHAFT

**XV-1R**

**X 1 R 25 01 F B B E**

Series	X	series XV
Group	1	group 1
Category	R	reversible pump
Displacement	25	3.8
Flange	01	Ø25.4 STANDARD EUROPEAN reversible rotation
Shaft	F	CO001 - Tapered 1:8 - ø10 - M7x1 - key thk.2.4
Body	IN	inlet - 3/8" GAS
	OUT	outlet - 3/8" GAS
Cover	E	with drainage 1/4" BSP



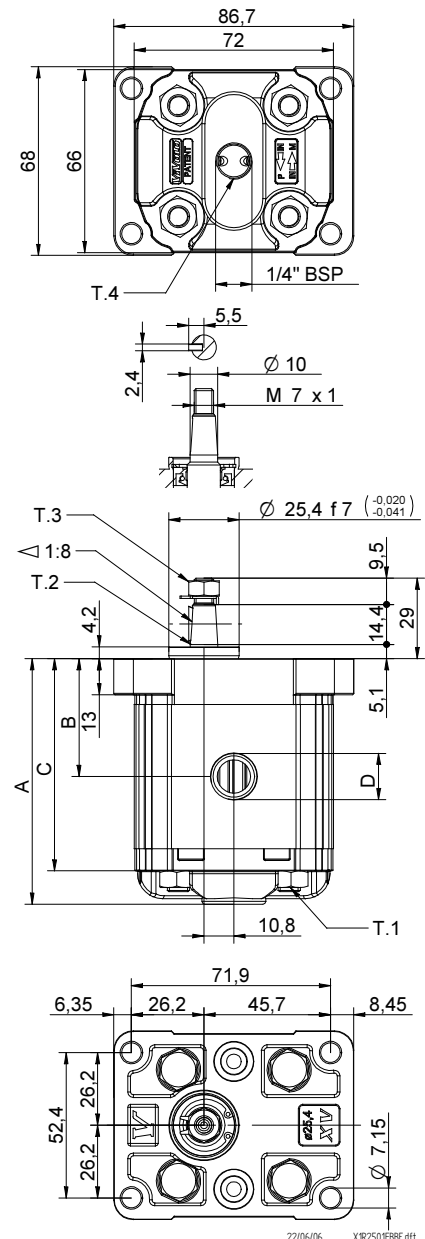
XR105

Technical data table						
TYPE	Displacement cm3/rev	Max. Pressure		CODE		
		P1 bar	P3 bar	External drainage		Internal drainage
XV-1R/0.9	0,91	240	280	X 1 R 16 01 F B B E	X 1 R 16 01 F B B F	X 1 R 16 01 F B B F
XV-1R/1.2	1,17	250	290	X 1 R 17 01 F B B E	X 1 R 17 01 F B B F	X 1 R 17 01 F B B F
XV-1R/1.7	1,56	250	290	X 1 R 18 01 F B B E	X 1 R 18 01 F B B F	X 1 R 18 01 F B B F
XV-1R/2.2	2,08	250	290	X 1 R 20 01 F B B E	X 1 R 20 01 F B B F	X 1 R 20 01 F B B F
XV-1R/2.6	2,60	250	300	X 1 R 21 01 F B B E	X 1 R 21 01 F B B F	X 1 R 21 01 F B B F
XV-1R/3.2	3,12	250	300	X 1 R 23 01 F B B E	X 1 R 23 01 F B B F	X 1 R 23 01 F B B F
XV-1R/3.8	3,64	250	300	X 1 R 25 01 F B B E	X 1 R 25 01 F B B F	X 1 R 25 01 F B B F
XV-1R/4.3	4,16	250	300	X 1 R 27 01 F B B E	X 1 R 27 01 F B B F	X 1 R 27 01 F B B F
XV-1R/4.9	4,94	250	300	X 1 R 29 01 F B B E	X 1 R 29 01 F B B F	X 1 R 29 01 F B B F
XV-1R/5.9	5,85	250	300	X 1 R 31 01 F B B E	X 1 R 31 01 F B B F	X 1 R 31 01 F B B F
XV-1R/6.5	6,50	250	300	X 1 R 32 01 F B B E	X 1 R 32 01 F B B F	X 1 R 32 01 F B B F
XV-1R/7.8	7,54	220	260	X 1 R 34 01 F B B E	X 1 R 34 01 F B B F	X 1 R 34 01 F B B F
XV-1R/9.8	9,88	190	230	X 1 R 36 01 F B B E	X 1 R 36 01 F B B F	X 1 R 36 01 F B B F

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-1R/0.9	0,950	78,1	37,3	66,1	3/8" BSPP	3/8" BSPP
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XV-1R/1.7	1,010	80,5	38,5	68,5	3/8" BSPP	3/8" BSPP
XV-1R/2.2	1,030	82,5	39,5	70,5	3/8" BSPP	3/8" BSPP
XV-1R/2.6	1,060	84,5	40,5	72,5	3/8" BSPP	3/8" BSPP
XV-1R/3.2	1,090	86,5	41,5	74,5	3/8" BSPP	3/8" BSPP
XV-1R/3.8	1,120	88,5	42,5	76,5	3/8" BSPP	3/8" BSPP
XV-1R/4.3	1,170	90,5	43,5	78,5	3/8" BSPP	3/8" BSPP
XV-1R/4.9	1,200	93,5	45,0	81,5	3/8" BSPP	3/8" BSPP
XV-1R/5.9	1,260	97,0	46,8	85,0	3/8" BSPP	3/8" BSPP
XV-1R/6.5	1,300	98,5	48,0	86,5	3/8" BSPP	3/8" BSPP
XV-1R/7.8	1,360	103,5	50,0	91,5	3/8" BSPP	3/8" BSPP
XV-1R/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


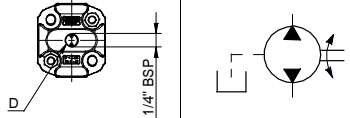
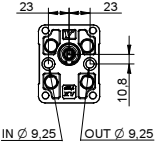
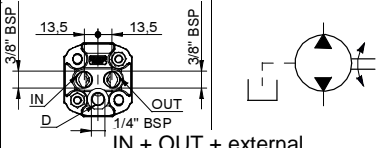
T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

T.4 = 0.3÷0.5 bar - max. drainage pressure

# Table of variations

**XV-1R**

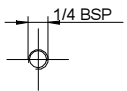
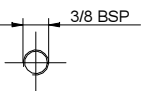
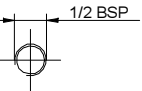
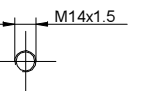
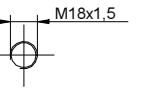
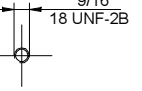
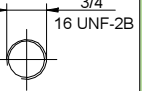
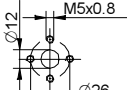
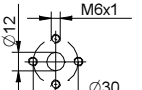
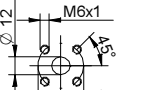
## ø25.4 FLANGE

ø25.4 FLANGE		Shaft		Cover			
	01	CO001 - Tapered T.2 = 43 [Nm]	F	CF002 - Milled shank T.2 = 13.8 [Nm]	D	 External drainage	E
		 IN Ø 9,25    OUT Ø 9,25	04	SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9	J		
		SCF01 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15	Q	SCF03 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15	R	 IN + OUT + external	K

Displacement	
TYPE	CODE
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XV-1R/4.3	27
XV-1R/4.9	29
XV-1R/5.9	31
XV-1R/6.5	32
XV-1R/7.8	34
XV-1R/9.8	36

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