

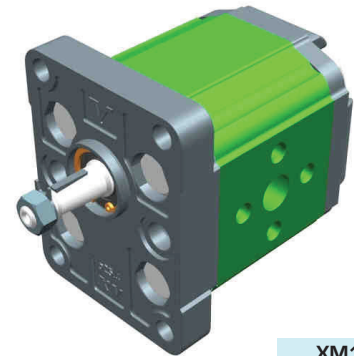
reversible motor - series XV

XV-1M

STANDARD EUROPEAN MOTOR
 ø25.4 FLANGE - TAPER SHAFT

X 1 M 25 01 F I I E

Series	X	series XV
Group	1	group 1
Category	M	reversible motor
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



XM101

Technical data table

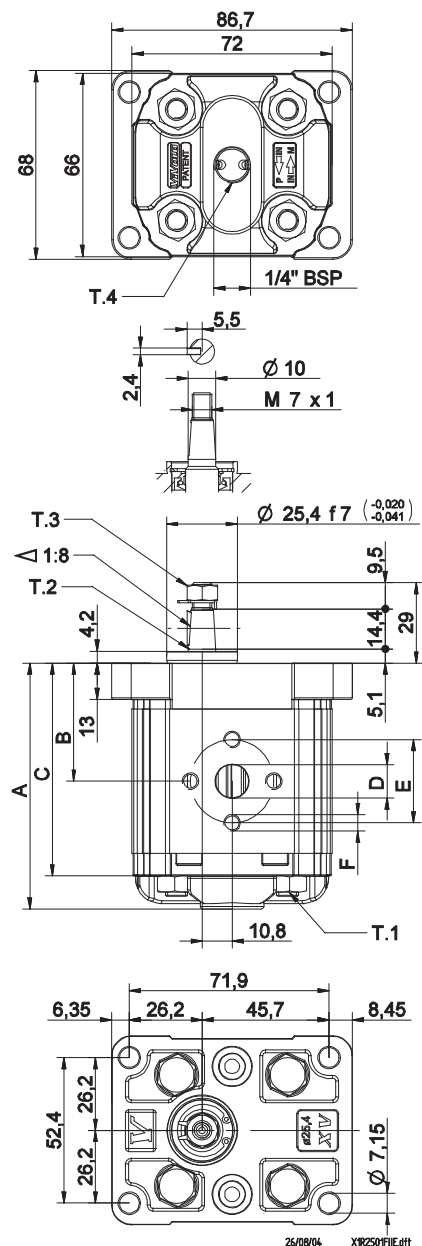
TYPE	Displacement cm3/rev	Max. Pressure		CODE																	
		P1 bar	P3 bar	External drainage			Internal drainage														
XV-1M/0.9	0,91	240	280	X	1	M	16	01	F	I	I	E	X	1	M	16	01	F	I	I	F
XV-1M/1.2	1,17	250	290	X	1	M	17	01	F	I	I	E	X	1	M	17	01	F	I	I	F
XV-1M/1.7	1,56	250	290	X	1	M	18	01	F	I	I	E	X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


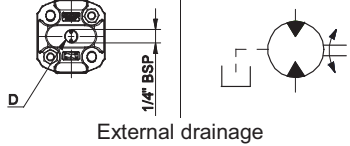
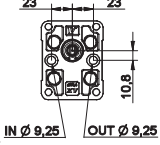
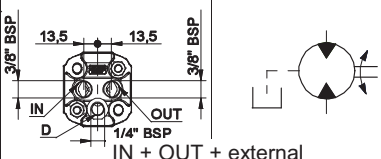
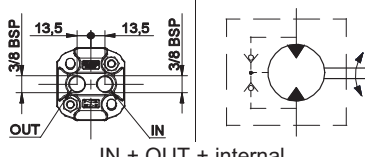
T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

Table of variations

XV-1M

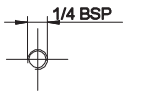
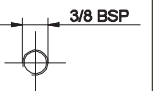
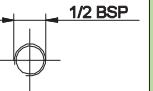
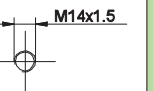
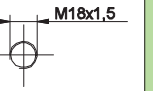
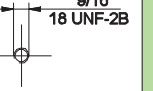
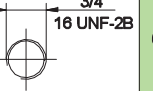
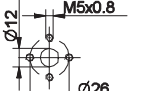
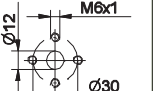
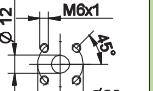
ø25.4 FLANGE

ø25.4 FLANGE		Shaft				Cover	
	01	CO001 - Tapered T.2 = 43 [Nm]	F	CF002 - Milled shank T.2 = 13.8 [Nm]	D	 <p>External drainage</p>	E
	 <p>IN ø 9,25 OUT ø 9,25</p>	04	SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9	J	SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15		L
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	 <p>IN + OUT + external</p>	K
 <p>IN + OUT + internal</p>			L				

Displacement	
TYPE	CODE
XV-1M/0.9	16
XV-1M/1.2	17
XV-1M/1.7	18
XV-1M/2.2	20
XV-1M/2.6	21
XV-1M/3.2	23
XV-1M/3.8	25
XV-1M/4.3	27
XV-1M/4.9	29
XV-1M/5.9	31
XV-1M/6.5	32
XV-1M/7.8	34
XV-1M/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)													
 <p>1/4 BSP</p>	A	 <p>3/8 BSP</p>	B	 <p>1/2 BSP</p>	C	 <p>M14x1.5</p>	D	 <p>M18x1.5</p>	E	 <p>9/16 18 UNF-2B</p>	F	 <p>3/4 18 UNF-2B</p>	G
 <p>M5x0.8</p>	H	 <p>M6x1</p>	I	 <p>M6x1</p>	J	Closed Body	Z						

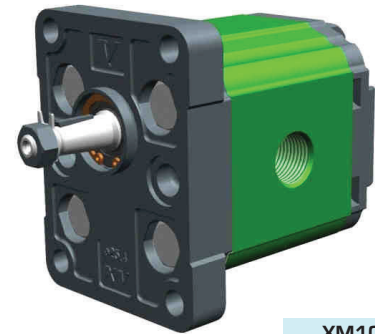
reversible motor - series XV

STANDARD EUROPEAN MOTOR
 ø25.4 FLANGE - TAPER SHAFT

XV-1M

X 1 M 25 01 F B B E

Series	X	series XV
Group	1	group 1
Category	M	reversible motor
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



XM105

Technical data table

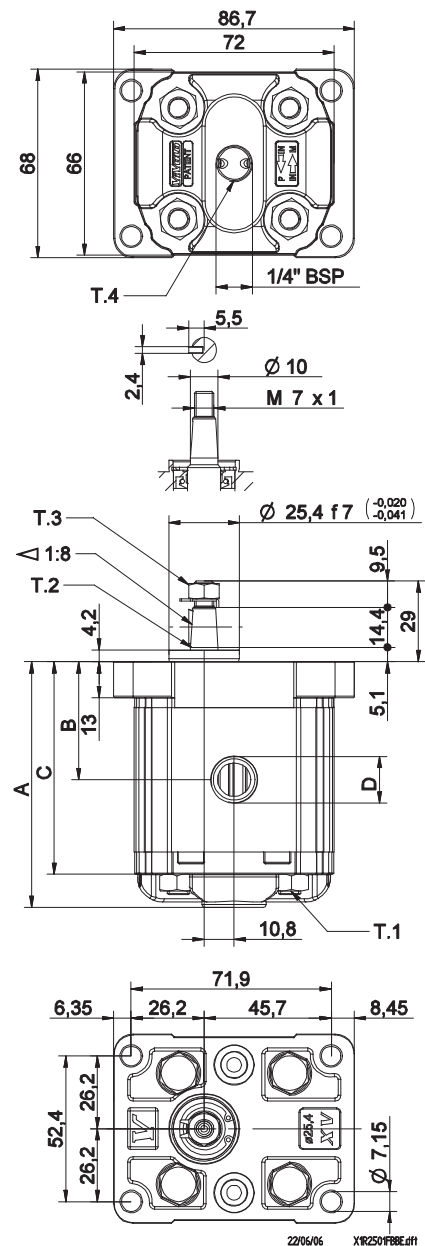
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	External drainage	Internal drainage
XV-1M/0.9	0,91	240	280	X 1 M 16 01 F B B E	X 1 M 16 01 F B B F
XV-1M/1.2	1,17	250	290	X 1 M 17 01 F B B E	X 1 M 17 01 F B B F
XV-1M/1.7	1,56	250	290	X 1 M 18 01 F B B E	X 1 M 18 01 F B B F
XV-1M/2.2	2,08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


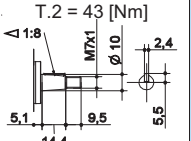
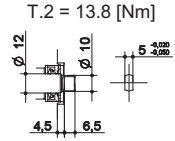
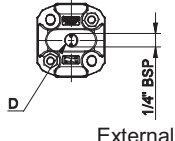
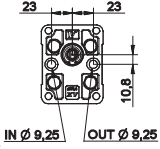
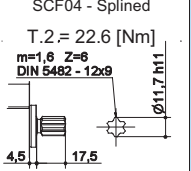
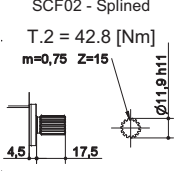

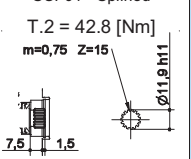
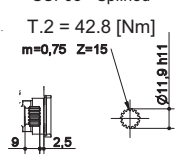
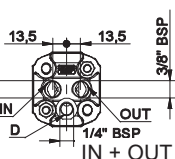
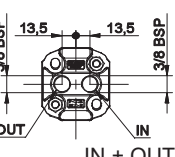
T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

Table of variations

XV-1M

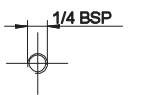
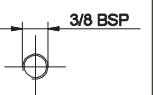
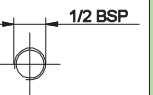
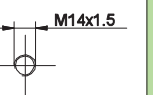
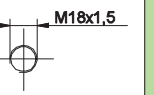
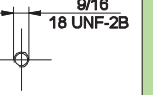
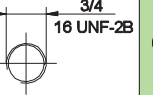
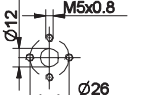
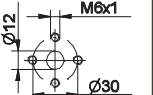
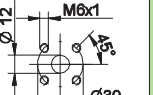
ø25.4 FLANGE

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	SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	L	 Internal drainage
			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
						 IN + OUT + internal	L

Displacement	
TYPE	CODE
XV-1M/0.9	16
XV-1M/1.2	17
XV-1M/1.7	18
XV-1M/2.2	20
XV-1M/2.6	21
XV-1M/3.2	23
XV-1M/3.8	25
XV-1M/4.3	27
XV-1M/4.9	29
XV-1M/5.9	31
XV-1M/6.5	32
XV-1M/7.8	34
XV-1M/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)													
 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 18 UNF-2B	G
 M5x0.8 ø12 ø26	H	 M6x1 ø12 ø30	I	 M6x1 ø12 ø30	J	Closed Body	Z						

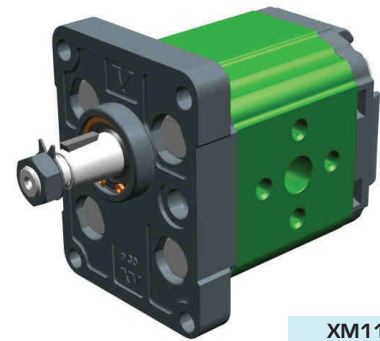
reversible motor - series XV

XV-1M

STANDARD MOTOR
ø30 FLANGE - TAPER SHAFT

X 1 M 25 07 G I I E

Series	X	series XV
Group	1	group 1
Category	M	reversible motor
Displacement	25	3.8
Flange	07	Ø30 STANDARD reversible rotation
Shaft	G	CO002 - Tapered 1:8 - ø14 - M10x1 - key thk.3
Body	IN	inlet - Ø30 Ø12 M6
	OUT	outlet - Ø30 Ø12 M6
Cover	E	with drainage 1/4" BSP



XM113

Technical data table

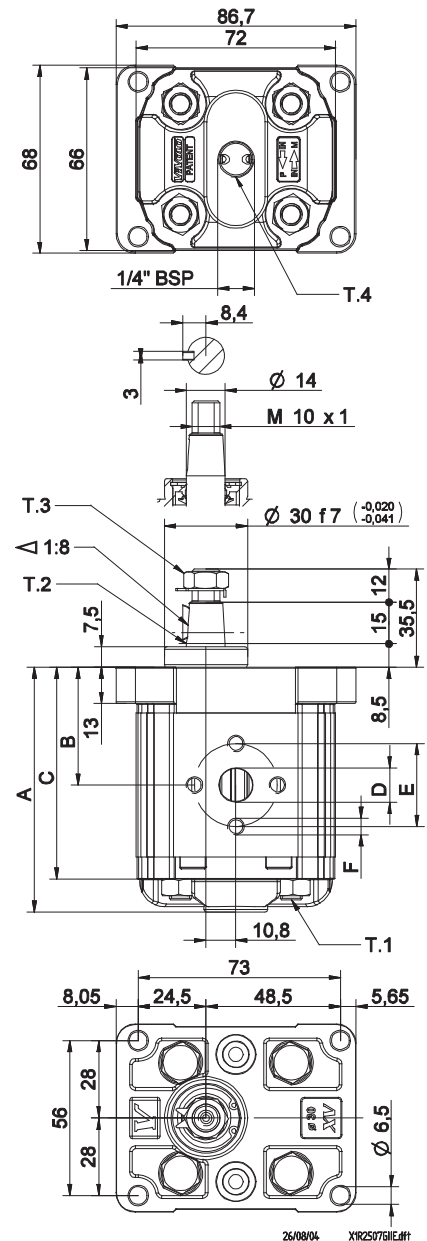
TYPE	Displacement cm3/rev	Max. Pressure		CODE																	
		P1 bar	P3 bar	External drainage			Internal drainage														
XV-1M/0.9	0,91	240	280	X	1	M	16	07	G	I	I	E	X	1	M	16	07	G	I	I	F
XV-1M/1.2	1,17	250	290	X	1	M	17	07	G	I	I	E	X	1	M	17	07	G	I	I	F
XV-1M/1.7	1,56	250	290	X	1	M	18	07	G	I	I	E	X	1	M	18	07	G	I	I	F
XV-1M/2.2	2,08	250	290	X	1	M	20	07	G	I	I	E	X	1	M	20	07	G	I	I	F
XV-1M/2.6	2,60	250	300	X	1	M	21	07	G	I	I	E	X	1	M	21	07	G	I	I	F
XV-1M/3.2	3,12	250	300	X	1	M	23	07	G	I	I	E	X	1	M	23	07	G	I	I	F
XV-1M/3.8	3,64	250	300	X	1	M	25	07	G	I	I	E	X	1	M	25	07	G	I	I	F
XV-1M/4.3	4,16	250	300	X	1	M	27	07	G	I	I	E	X	1	M	27	07	G	I	I	F
XV-1M/4.9	4,94	250	300	X	1	M	29	07	G	I	I	E	X	1	M	29	07	G	I	I	F
XV-1M/5.9	5,85	250	300	X	1	M	31	07	G	I	I	E	X	1	M	31	07	G	I	I	F
XV-1M/6.5	6,50	250	300	X	1	M	32	07	G	I	I	E	X	1	M	32	07	G	I	I	F
XV-1M/7.8	7,54	220	260	X	1	M	34	07	G	I	I	E	X	1	M	34	07	G	I	I	F
XV-1M/9.8	9,88	190	230	X	1	M	36	07	G	I	I	E	X	1	M	36	07	G	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-1M/0.9	0,950	78,1	37,3	66,1	ø12	30	M6x1	ø12	30	M6x1
XV-1M/1.2	0,970	79,0	37,8	67,0	ø12	30	M6x1	ø12	30	M6x1
XV-1M/1.7	1,010	80,5	38,5	68,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/2.2	1,030	82,5	39,5	70,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/2.6	1,060	84,5	40,5	72,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/3.2	1,090	86,5	41,5	74,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/3.8	1,120	88,5	42,5	76,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/4.3	1,170	90,5	43,5	78,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/4.9	1,200	93,5	45,0	81,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/5.9	1,260	97,0	46,8	85,0	ø12	30	M6x1	ø12	30	M6x1
XV-1M/6.5	1,300	98,5	48,0	86,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/7.8	1,360	103,5	50,0	91,5	ø12	30	M6x1	ø12	30	M6x1
XV-1M/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

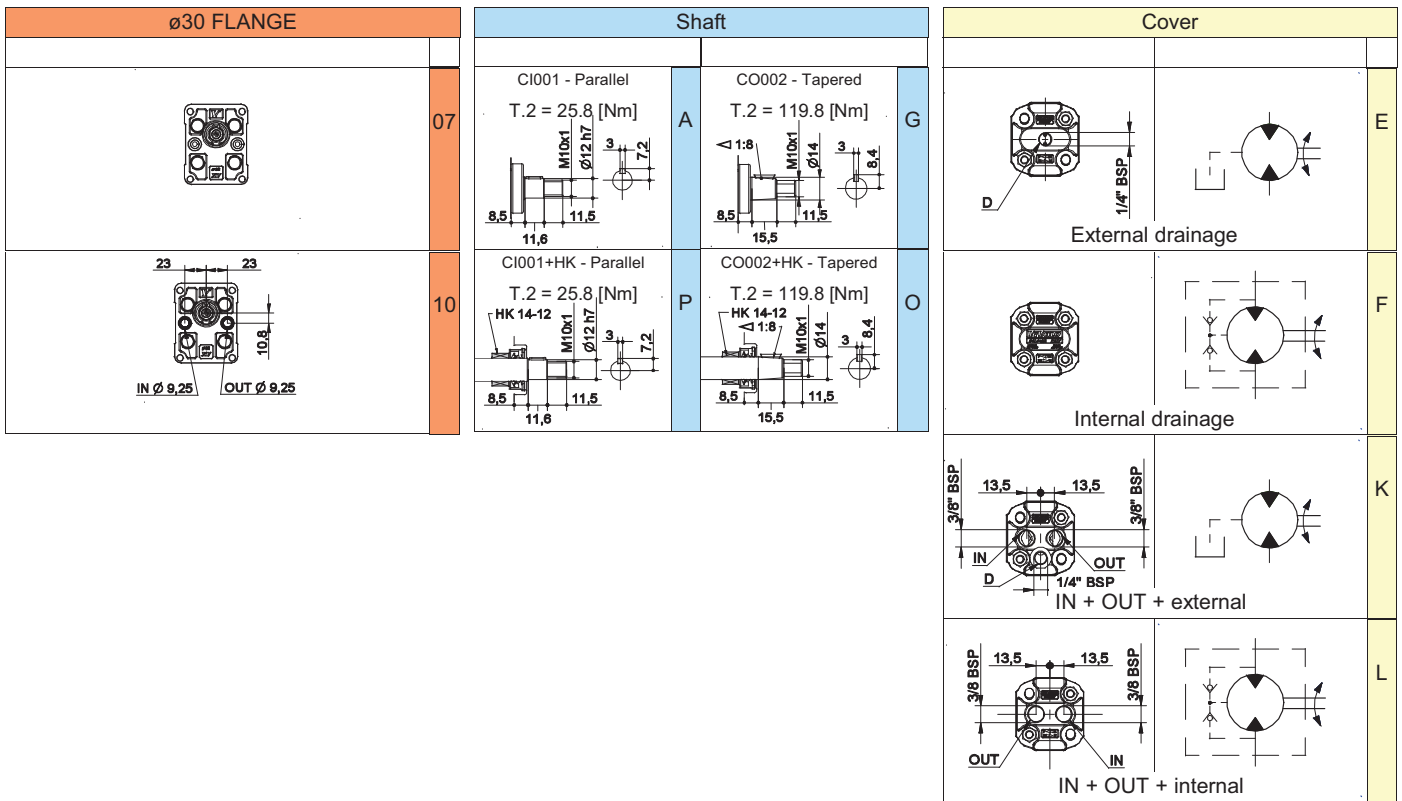
T.2 = 119.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

Table of variations

XV-1M

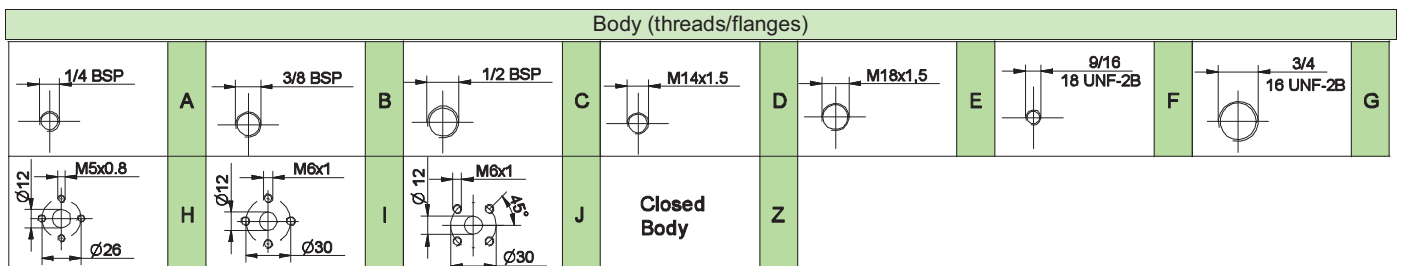
ø30 FLANGE



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



reversible motor - series XV

XV-1M

BH TYPE MOTOR
ø32 BODY-SHAPED FLANGE - MILLED SHANK

X 1 M 25 25 D B B E

Series	X	series XV
Group	1	group 1
Category	M	reversible motor
Displacement	25	3.8
Flange	25	ø32 BH reversible rotation
Shaft	D	CF002 - Milled shank ø10 - thk.5
Body	IN	inlet - 3/8" GAS
	OUT	outlet - 3/8" GAS
Cover	E	with drainage 1/4" BSP



XM119

Technical data table

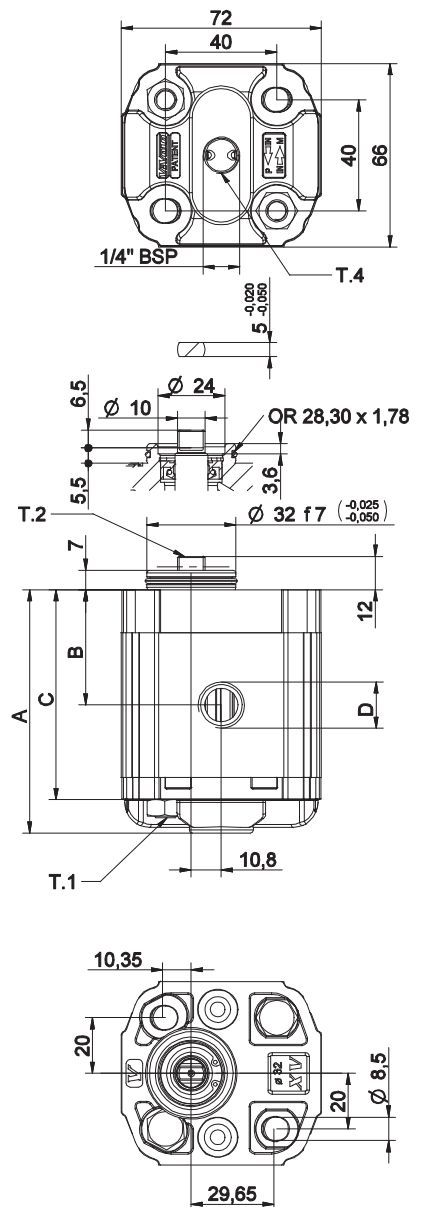
TYPE	Displacement cm3/rev	Max. Pressure		CODE																	
		P1 bar	P3 bar	External drainage				Internal drainage													
XV-1M/0.9	0,91	240	280	X	1	M	16	25	D	B	B	E	X	1	M	16	25	D	B	B	F
XV-1M/1.2	1,17	250	290	X	1	M	17	25	D	B	B	E	X	1	M	17	25	D	B	B	F
XV-1M/1.7	1,56	250	290	X	1	M	18	25	D	B	B	E	X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



26/08/04 XR2525DBBE.dft

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


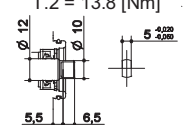
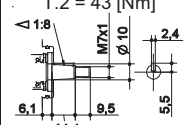
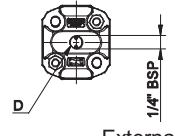
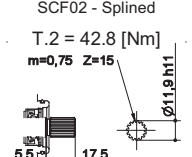
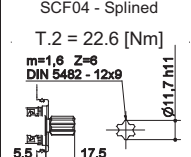
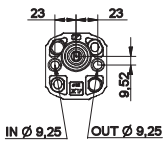
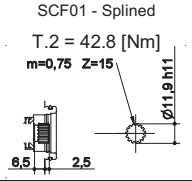
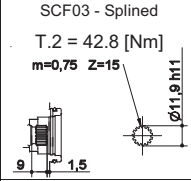
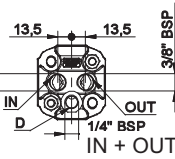
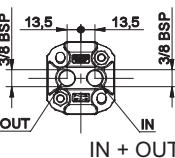
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

Table of variations

XV-1M

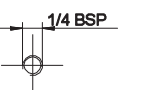
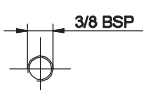
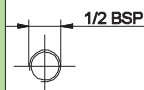
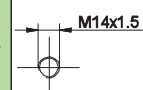
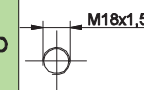
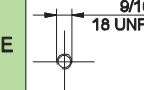
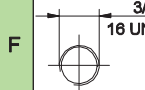
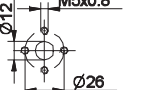
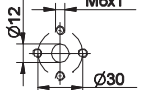
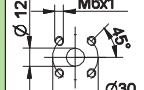
ø32 "BH" Body-Shaped FLANGE

ø32 "BH" Body-Shaped FLANGE		Shaft				Cover	
	25	CF002 - Milled shank T.2 = 13.8 [Nm] 	D	CO001 - Tapered T.2 = 43 [Nm] 	F	 External drainage	E
		SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15 	L	SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9 	J		
 IN Ø 9,25 OUT Ø 9,25	28	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
		 IN + OUT + internal	L				

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

XV-1M

HY TYPE MOTOR
 ø32 BODY-SHAPED FLANGE - MILLED SHANK

X 1 M 25 31 D B B E

Series	X	series XV
Group	1	group 1
Category	M	reversible motor
Displacement	25	3.8
Flange	31	ø32 HY reversible rotation with inlet
Shaft	D	CF002 - Milled shank ø10 - thk.5
Body	IN	inlet - 3/8" GAS
	OUT	outlet - 3/8" GAS
Cover	E	with drainage 1/4" BSP



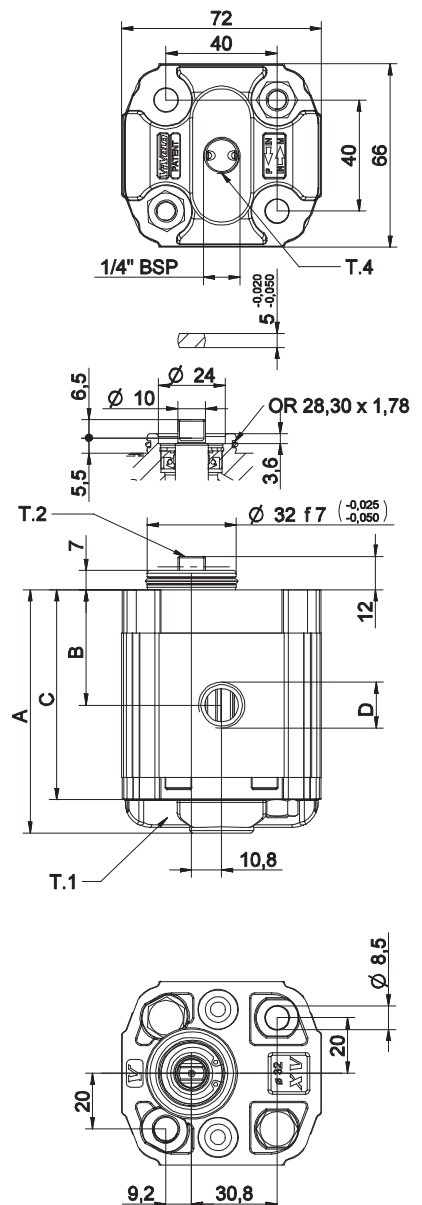
XM140

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



26/08/04 XR2531DBBE.dft

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


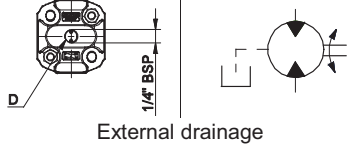
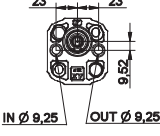
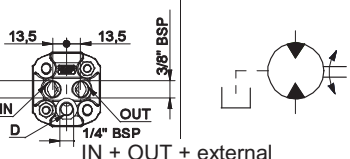
T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

Table of variations

XV-1M

ø32 "HY" Body-Shaped FLANGE

ø32 "HY" Body-Shaped FLANGE		Shaft				Cover	
	31	CF002 - Milled shank T.2 = 13.8 [Nm]	D	CO001 - Tapered T.2 = 43 [Nm]	F	 <p>External drainage</p>	E
		 <p>IN ø 9,25 OUT ø 9,25</p>	SCF02 - Splined T.2 = 42.8 [Nm] m=0,75 Z=15	L	SCF04 - Splined T.2 = 22.6 [Nm] m=1,6 Z=6 DIN 5482 - 12x9		
		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	 <p>IN + OUT + external</p>	K

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

Standard bodies					
Displacementcm3/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

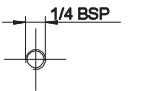
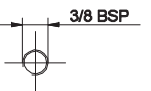
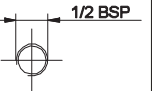
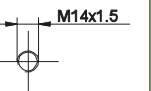
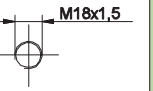
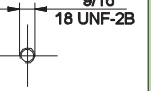
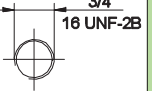
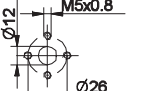
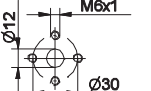
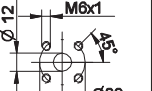


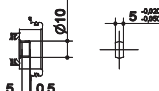
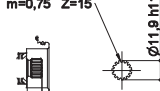
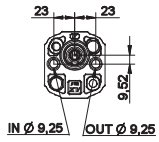
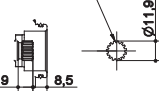


Body (threads/flanges)													
	A		B		C		D		E		F		G
	H		I		J	Closed Body	Z						

Table of variations

XV-1M

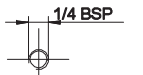
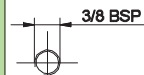
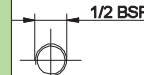
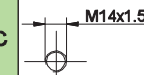
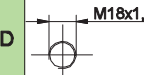
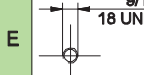
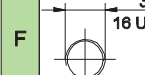

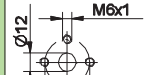
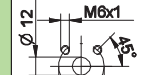
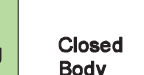
Standard German $\varnothing 32$ "BH" FLANGE

Standard German $\varnothing 32$ "BH" FLANGE		Shaft		Cover		
	19	CF001 - Milled shank T.2 = 13.8 [Nm]	C	SCF01 - Splined T.2 = 42.8 [Nm]	 External drainage	E
				SCF03 - Splined T.2 = 42.8 [Nm]		
	22		 IN + OUT + external		K	
		 IN + OUT + internal		L		

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

Standard bodies				
Displacement cm3/rev	Standard threads			
	0.9	I - I	B - B	J - J
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		

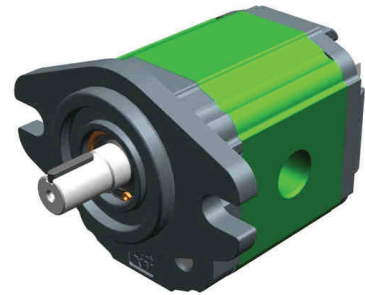
reversible motor - series XV

XV-1M

SAE AA TYPE MOTOR
 ø50.8 FLANGE - PARALLEL SHAFT

X 1 M 25 61 B B B E

Series	X	series XV
Group	1	group 1
Category	M	reversible motor
Displacement	25	3.8
Flange	61	Ø50.8 SAE AA reversible rotation
Shaft	B	CI002 - Parallel ø12.7 - key thk. 3.2 (SAE AA)
Body	IN	inlet - 3/8" GAS
	OUT	outlet - 3/8" GAS
Cover	E	with drainage 1/4" BSP



XM168

Technical data table

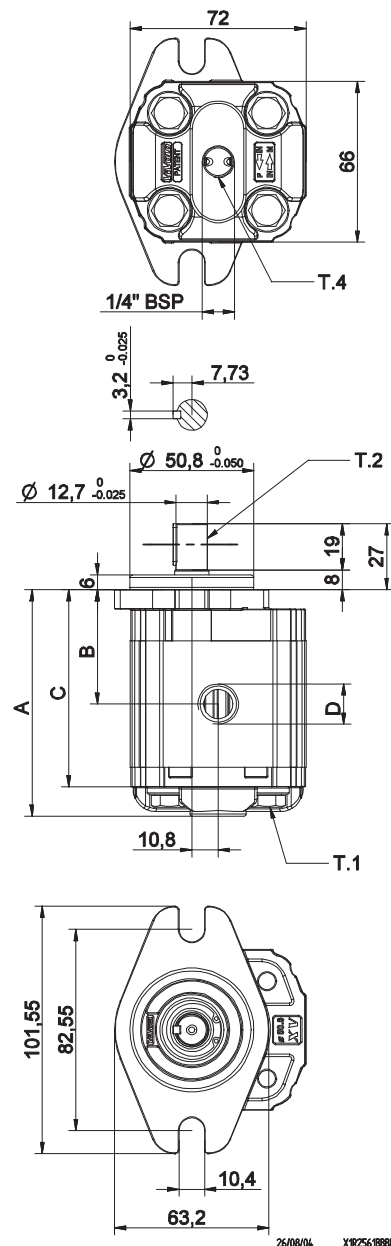
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	External drainage	Internal drainage
XV-1M/0.9	0,91	240	280	X 1 M 16 61 B B B E	X 1 M 16 61 B B B F
XV-1M/1.2	1,17	250	290	X 1 M 17 61 B B B E	X 1 M 17 61 B B B F
XV-1M/1.7	1,56	250	290	X 1 M 18 61 B B B E	X 1 M 18 61 B B B F
XV-1M/2.2	2,08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



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


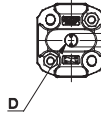

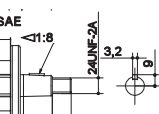
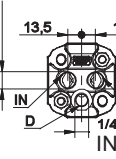
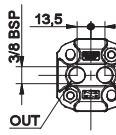
T.2 = 32.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

Table of variations

XV-1M

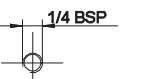
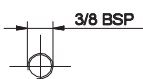
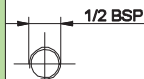
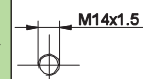
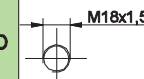
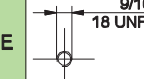
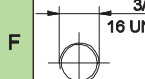
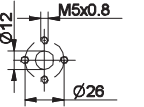
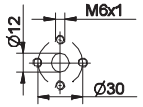
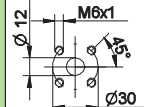
ø50.8 FLANGE "SAE AA"

ø50.8 FLANGE "SAE AA"		Shaft				Cover	
	61	CI001 - Parallel T.2 = 25.8 [Nm]	A	CI002 - Parallel T.2 = 32.8 [Nm]	B		E
		CF003 - Milled shank T.2 = 25.9 [Nm]	E	CO002 - Tapered T.2 = 119.8 [Nm]	G		F
			I	SCF05 - Splined T.2 = 32.2 [Nm]	K		K
		CO002+HK - Tapered T.2 = 119.8 [Nm]	O	CI001+HK - Parallel T.2 = 25.8 [Nm]	P		L

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

Standard bodies				
Displacement cm ³ /rev	Standard threads			
	0.9	I - I	B - B	J - J
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						