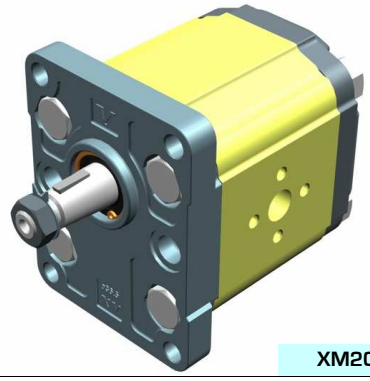
reversible motor - series XV

STANDARD EUROPEAN MOTOR
ø36.5 FLANGE - TAPER SHAFT

XV-2M

X	2	M	51	01	E	P	P	E

Series		X	series XV
Group		2	group 2
Category		M	reversible motor
Displacement		51	17
Flange		01	Ø36.5 STANDARD EUROPEAN reversible rotation
Shaft		E	CO001 - Tapered 1:8 - ø17.4 - M12x1.5 - key thk.4
Body	IN	P	inlet - Ø40 Ø20 M8
	OUT	P	outlet - Ø40 Ø20 M8
Cover		E	with external drainage



XM201

Technical data table

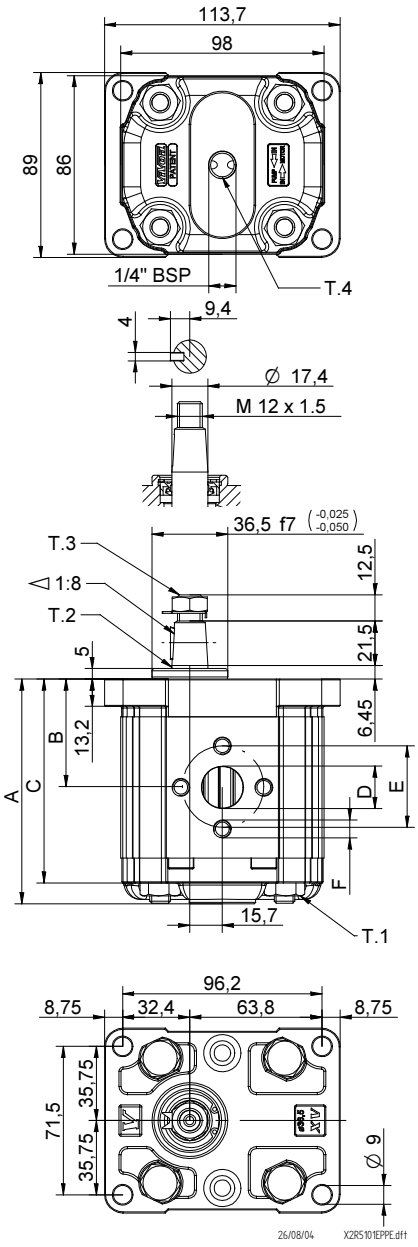
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 01 E O O E	X 2 M 41 01 E O O F
XV-2M/06	6,00	260	300	X 2 M 43 01 E O O E	X 2 M 43 01 E O O F
XV-2M/09	8,40	260	300	X 2 M 45 01 E O O E	X 2 M 45 01 E O O F
XV-2M/11	10,80	260	300	X 2 M 47 01 E O O E	X 2 M 47 01 E O O F
XV-2M/14	14,40	250	290	X 2 M 49 01 E P P E	X 2 M 49 01 E P P F
XV-2M/17	16,80	230	270	X 2 M 51 01 E P P E	X 2 M 51 01 E P P F
XV-2M/19	19,20	210	250	X 2 M 53 01 E P P E	X 2 M 53 01 E P P F
XV-2M/22	22,80	200	240	X 2 M 55 01 E P P E	X 2 M 55 01 E P P F
XV-2M/26	26,20	170	210	X 2 M 57 01 E Q P E	X 2 M 57 01 E Q P F
XV-2M/30	30,00	160	200	X 2 M 59 01 E Q P E	X 2 M 59 01 E Q P F
XV-2M/34	34,20	150	190	X 2 M 61 01 E Q P E	X 2 M 61 01 E Q P F
XV-2M/40	39,60	140	180	X 2 M 63 01 E Q P E	X 2 M 63 01 E Q P 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	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,200	87,2	41,7	77,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2M/06	2,300	90,2	43,2	80,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2M/09	2,400	94,2	45,2	84,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2M/11	2,500	98,2	47,2	88,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2M/14	2,700	104,2	50,2	94,2	ø20	40	M8X1,25	ø20	40	M8X1,25
XV-2M/17	2,800	108,2	52,2	98,2	ø20	40	M8X1,25	ø20	40	M8X1,25
XV-2M/19	2,900	112,2	54,2	102,2	ø20	40	M8X1,25	ø20	40	M8X1,25
XV-2M/22	3,050	118,2	57,2	108,2	ø20	40	M8X1,25	ø20	40	M8X1,25
XV-2M/26	3,150	122,2	59,2	112,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
XV-2M/30	3,400	130,2	63,2	120,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
XV-2M/34	3,600	137,2	66,7	127,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25
XV-2M/40	3,800	146,2	71,2	136,2	ø23,5	40	M8X1,25	ø20	40	M8X1,25



T.1 = 54÷58.9 [Nm] - screw tightening torque M10

T.3 = 40 [Nm] - torque wrench setting 19

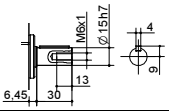
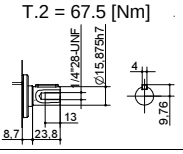
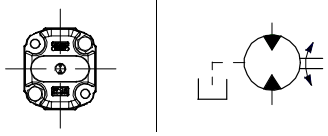
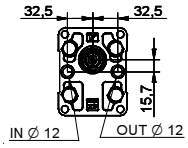
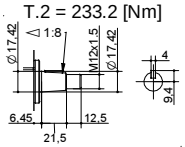
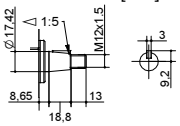
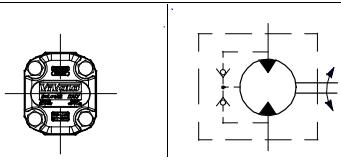
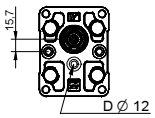
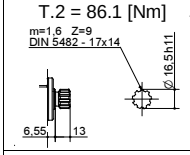
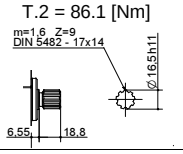
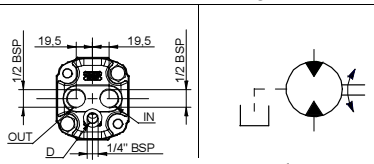
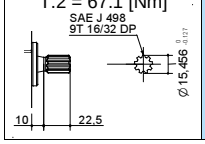
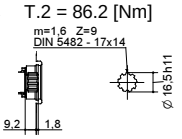
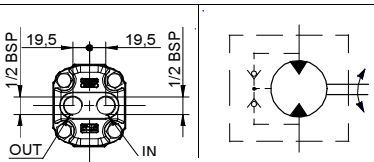
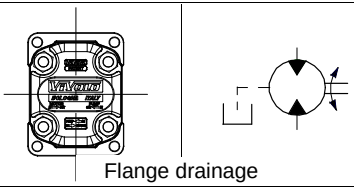
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

ø36.5 FLANGE

XV-2M

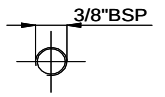
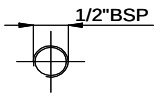
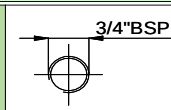
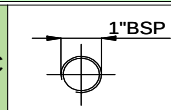
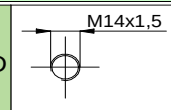
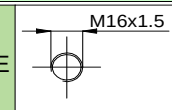
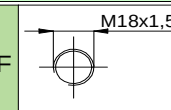
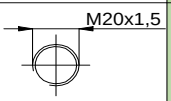
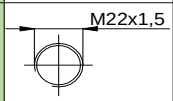
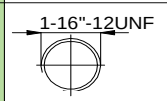
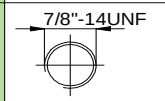
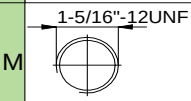
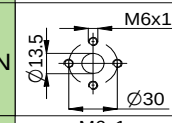
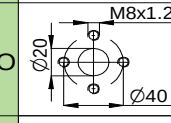
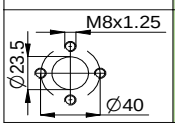
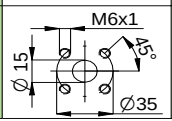
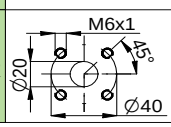
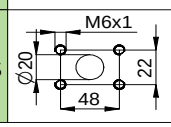
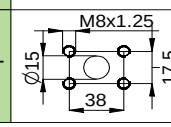
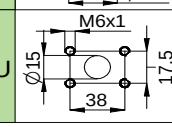
ø36.5 FLANGE		Shaft				Cover	
	01	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B	 External drainage	E
	04	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	 Internal drainage	F
	05	SCF02 - Splined T.2 = 86.1 [Nm] 	G	SCF03 - Splined T.2 = 86.1 [Nm] 	H	 IN + OUT + external	K
		SCF04 - Splined T.2 = 67.1 [Nm] 	I	SCF01 - Splined T.2 = 86.2 [Nm] 	L	 IN + OUT + internal	L
						 Flange drainage	P

Displacement	
TYPE	CODE
XV-2M/04	**41**
XV-2M/06	**43**
XV-2M/09	**45**
XV-2M/11	**47**
XV-2M/14	**49**
XV-2M/17	**51**
XV-2M/19	**53**
XV-2M/22	**55**
XV-2M/26	**57**
XV-2M/30	**59**
XV-2M/34	**61**
XV-2M/40	**63**

Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

X	2	M	51	01	E	C	C	E

Series		X	series XV
Group		2	group 2
Category		M	reversible motor
Displacement		51	17
Flange		01	Ø36.5 STANDARD EUROPEAN reversible rotation
Shaft		E	CO001 - Tapered 1:8 - ø17.4 - M12x1.5 - key thk.4
Body	IN	C	inlet - 3/4" GAS
	OUT	C	outlet - 3/4" GAS
Cover		E	with external drainage


XM207

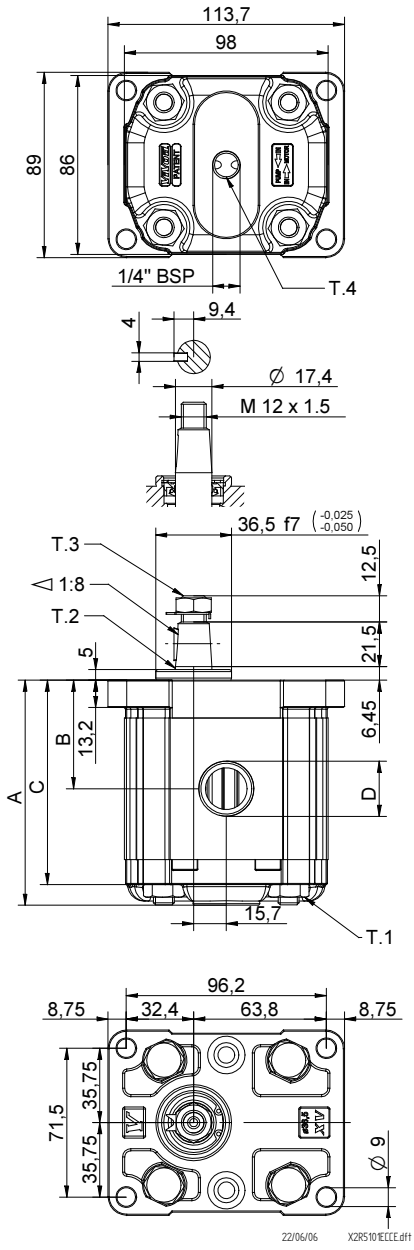
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 01 E B B E	X 2 M 41 01 E B B F
XV-2M/06	6,00	260	300	X 2 M 43 01 E B B E	X 2 M 43 01 E B B F
XV-2M/09	8,40	260	300	X 2 M 45 01 E B B E	X 2 M 45 01 E B B F
XV-2M/11	10,80	260	300	X 2 M 47 01 E B B E	X 2 M 47 01 E B B F
XV-2M/14	14,40	250	290	X 2 M 49 01 E C C E	X 2 M 49 01 E C C F
XV-2M/17	16,80	230	270	X 2 M 51 01 E C C E	X 2 M 51 01 E C C F
XV-2M/19	19,20	210	250	X 2 M 53 01 E C C E	X 2 M 53 01 E C C F
XV-2M/22	22,80	200	240	X 2 M 55 01 E C C E	X 2 M 55 01 E C C F
XV-2M/26	26,20	170	210	X 2 M 57 01 E D D E	X 2 M 57 01 E D D F
XV-2M/30	30,00	160	200	X 2 M 59 01 E D D E	X 2 M 59 01 E D D F
XV-2M/34	34,20	150	190	X 2 M 61 01 E D D E	X 2 M 61 01 E D D F
XV-2M/40	39,60	140	180	X 2 M 63 01 E D D E	X 2 M 63 01 E D D 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	A	B	C	D	D
	kg	mm	mm	mm	IN	OUT
XV-2M/04	2,200	87,2	41,7	77,2	1/2" BSPP	1/2" BSPP
XV-2M/06	2,300	90,2	43,2	80,2	1/2" BSPP	1/2" BSPP
XV-2M/09	2,400	94,2	45,2	84,2	1/2" BSPP	1/2" BSPP
XV-2M/11	2,500	98,2	47,2	88,2	1/2" BSPP	1/2" BSPP
XV-2M/14	2,700	104,2	50,2	94,2	3/4" BSPP	3/4" BSPP
XV-2M/17	2,800	108,2	52,2	98,2	3/4" BSPP	3/4" BSPP
XV-2M/19	2,900	112,2	54,2	102,2	3/4" BSPP	3/4" BSPP
XV-2M/22	3,050	118,2	57,2	108,2	3/4" BSPP	3/4" BSPP
XV-2M/26	3,150	122,2	59,2	112,2	1" BSPP	1" BSPP
XV-2M/30	3,400	130,2	63,2	120,2	1" BSPP	1" BSPP
XV-2M/34	3,600	137,2	66,7	127,2	1" BSPP	1" BSPP
XV-2M/40	3,800	146,2	71,2	136,2	1" BSPP	1" BSPP

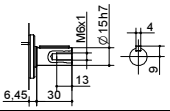
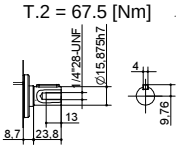
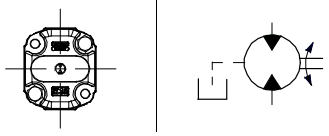
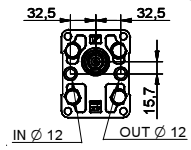
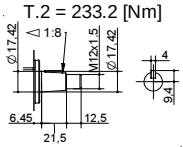
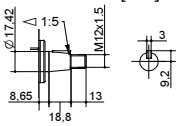
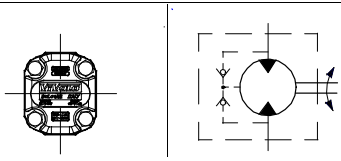
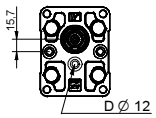
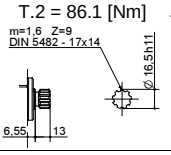
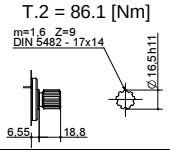
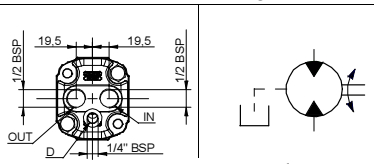
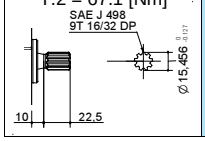
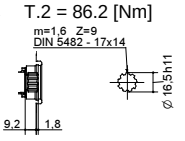
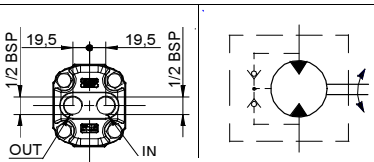
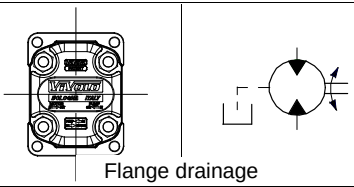


T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

XV-2M

ø36.5 FLANGE

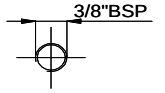
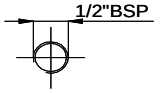
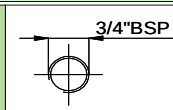
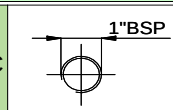
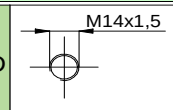
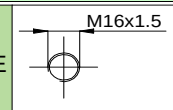
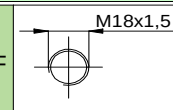
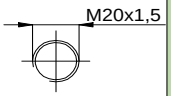
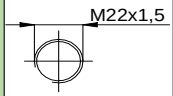
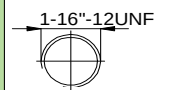
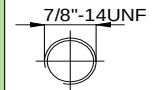
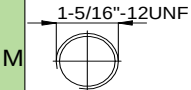
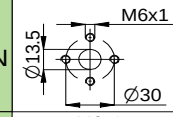
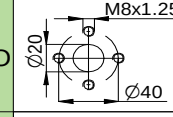
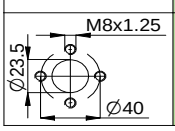
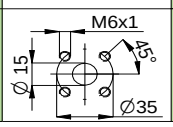
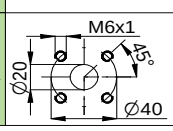
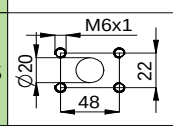
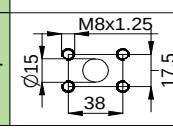
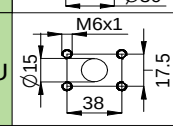
ø36.5 FLANGE		Shaft				Cover	
	01	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B	 External drainage	E
	04	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	 Internal drainage	F
	05	SCF02 - Splined T.2 = 86.1 [Nm] 	G	SCF03 - Splined T.2 = 86.1 [Nm] 	H	 IN + OUT + external	K
		SCF04 - Splined T.2 = 67.1 [Nm] 	I	SCF01 - Splined T.2 = 86.2 [Nm] 	L	 IN + OUT + internal	L
						 Flange drainage	P

Displacement	
TYPE	CODE
XV-2M/04	41
XV-2M/06	43
XV-2M/09	45
XV-2M/11	47
XV-2M/14	49
XV-2M/17	51
XV-2M/19	53
XV-2M/22	55
XV-2M/26	57
XV-2M/30	59
XV-2M/34	61
XV-2M/40	63

Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

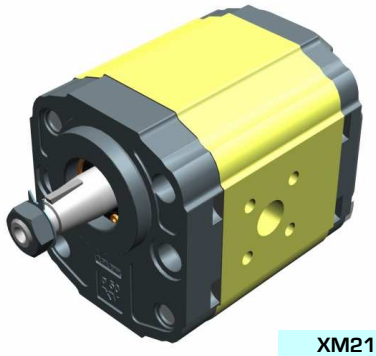
Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

X	2	M	51	07	F	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	07	Ø50 BH GERMAN STARDARDIZED reversible rotation
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM210

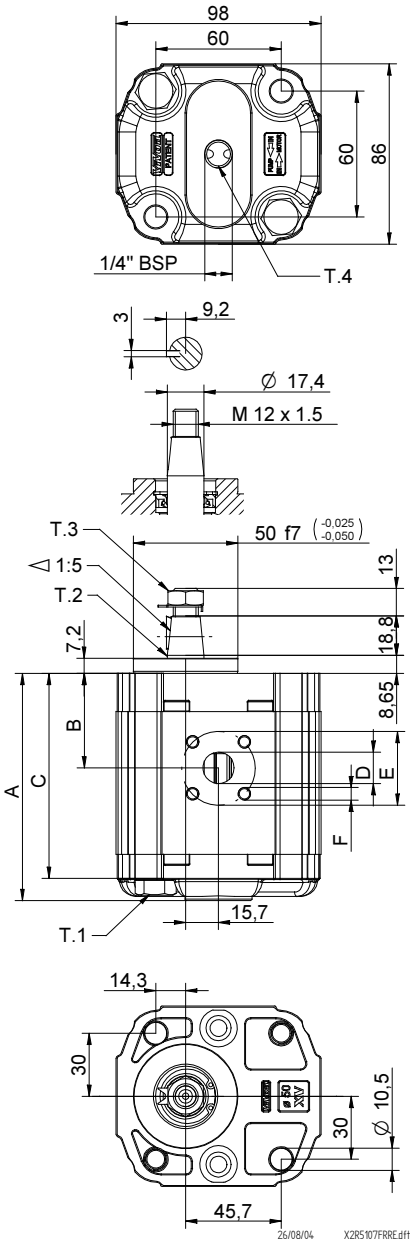
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 07 F R R E	X 2 M 41 07 F R R F
XV-2M/06	6,00	260	300	X 2 M 43 07 F R R E	X 2 M 43 07 F R R F
XV-2M/09	8,40	260	300	X 2 M 45 07 F R R E	X 2 M 45 07 F R R F
XV-2M/11	10,80	260	300	X 2 M 47 07 F R R E	X 2 M 47 07 F R R F
XV-2M/14	14,40	250	290	X 2 M 49 07 F R R E	X 2 M 49 07 F R R F
XV-2M/17	16,80	230	270	X 2 M 51 07 F R R E	X 2 M 51 07 F R R F
XV-2M/19	19,20	210	250	X 2 M 53 07 F R R E	X 2 M 53 07 F R R F
XV-2M/22	22,80	200	240	X 2 M 55 07 F R R E	X 2 M 55 07 F R R F
XV-2M/26	26,20	170	210	X 2 M 57 07 F S S E	X 2 M 57 07 F S S F
XV-2M/30	30,00	160	200	X 2 M 59 07 F S S E	X 2 M 59 07 F S S F
XV-2M/34	34,20	150	190	X 2 M 61 07 F S S E	X 2 M 61 07 F S S F
XV-2M/40	39,60	140	180	X 2 M 63 07 F S S E	X 2 M 63 07 F S S 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	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,100	87,2	38,6	77,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,200	90,2	38,6	80,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,300	94,2	40,6	84,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,400	98,2	45,0	88,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,600	104,2	45,0	94,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,700	108,2	45,0	98,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,800	112,2	45,0	102,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	2,950	118,2	52,5	108,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,050	122,2	52,5	112,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,300	130,2	60,7	120,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,500	137,2	60,7	127,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,700	146,2	60,7	136,2	ø20	40	M6x1	ø20	40	M6x1

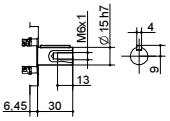
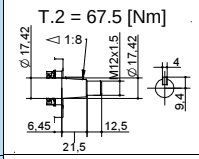
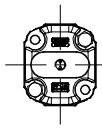
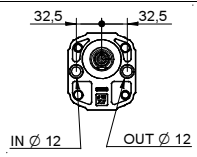
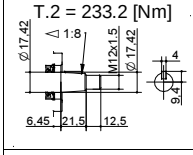
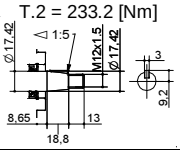
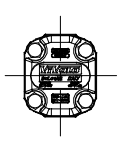
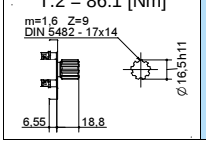
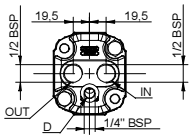
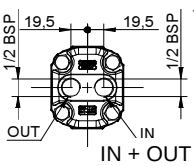


T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

ø50 "BH" Body-Shaped FLANGE

XV-2M

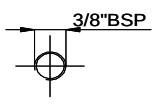
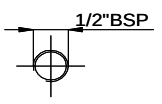
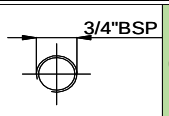
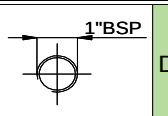
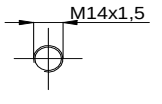
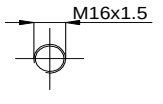
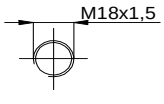
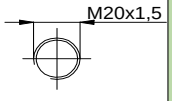
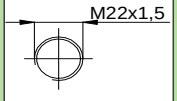
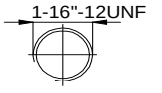
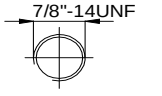
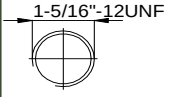
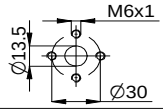
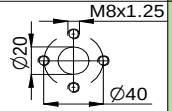
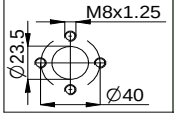
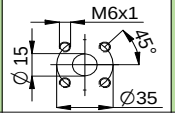
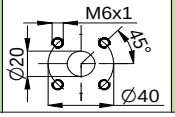
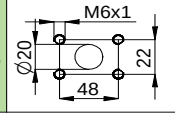
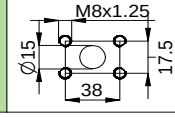
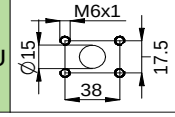
ø50 "BH" Body-Shaped FLANGE		Shaft				Cover	
	07	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B	 External drainage	E
	10	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	 Internal drainage	F
		SCF03 - Splined T.2 = 86.1 [Nm] 	H			 IN + OUT + external	K
						 IN + OUT + internal	L

Displacement	
TYPE	CODE
XV-2M/04	**41**
XV-2M/06	**43**
XV-2M/09	**45**
XV-2M/11	**47**
XV-2M/14	**49**
XV-2M/17	**51**
XV-2M/19	**53**
XV-2M/22	**55**
XV-2M/26	**57**
XV-2M/30	**59**
XV-2M/34	**61**
XV-2M/40	**63**

Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

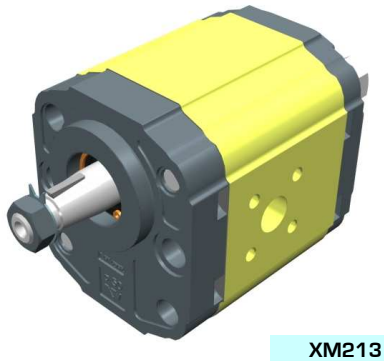
Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 45° Ø15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

X	2	M	51	13	F	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	13	Ø50 HY GERMAN STARDARDIZED reversible rotation
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM213

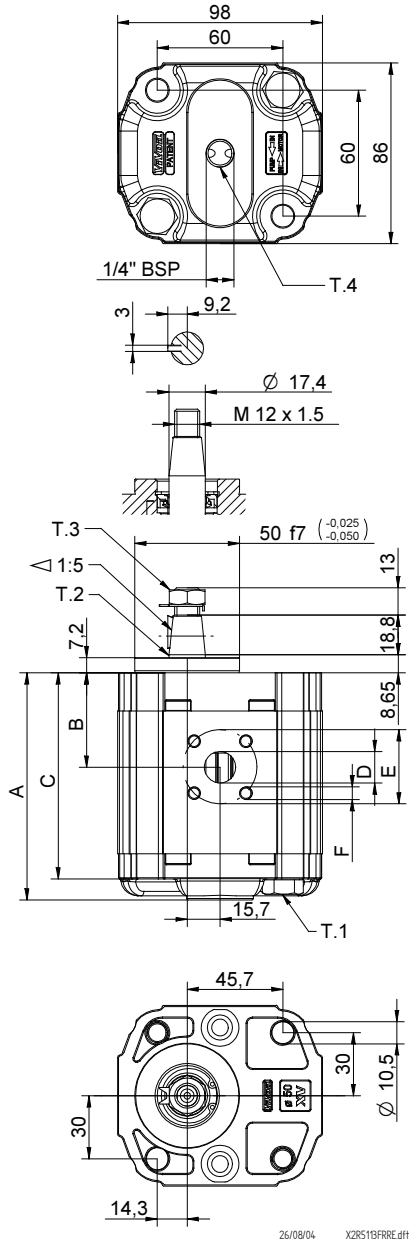
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 13 F R R E	X 2 M 41 13 F R R F
XV-2M/06	6,00	260	300	X 2 M 43 13 F R R E	X 2 M 43 13 F R R F
XV-2M/09	8,40	260	300	X 2 M 45 13 F R R E	X 2 M 45 13 F R R F
XV-2M/11	10,80	260	300	X 2 M 47 13 F R R E	X 2 M 47 13 F R R F
XV-2M/14	14,40	250	290	X 2 M 49 13 F R R E	X 2 M 49 13 F R R F
XV-2M/17	16,80	230	270	X 2 M 51 13 F R R E	X 2 M 51 13 F R R F
XV-2M/19	19,20	210	250	X 2 M 53 13 F R R E	X 2 M 53 13 F R R F
XV-2M/22	22,80	200	240	X 2 M 55 13 F R R E	X 2 M 55 13 F R R F
XV-2M/26	26,20	170	210	X 2 M 57 13 F S S E	X 2 M 57 13 F S S F
XV-2M/30	30,00	160	200	X 2 M 59 13 F S S E	X 2 M 59 13 F S S F
XV-2M/34	34,20	150	190	X 2 M 61 13 F S S E	X 2 M 61 13 F S S F
XV-2M/40	39,60	140	180	X 2 M 63 13 F S S E	X 2 M 63 13 F S S 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

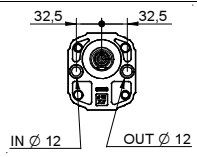
TYPE	Weight	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,100	87,2	38,6	77,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,200	90,2	38,6	80,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,300	94,2	40,6	84,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,400	98,2	45,0	88,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,600	104,2	45,0	94,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,700	108,2	45,0	98,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,800	112,2	45,0	102,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	2,950	118,2	52,5	108,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,050	122,2	52,5	112,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,300	130,2	60,7	120,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,500	137,2	60,7	127,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,700	146,2	60,7	136,2	ø20	40	M6x1	ø20	40	M6x1

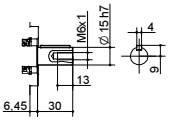
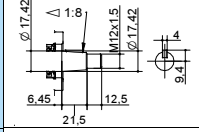
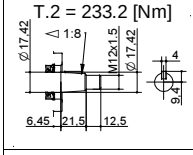
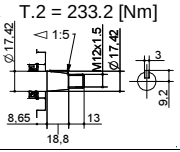
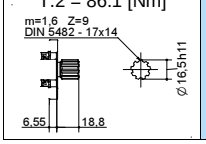


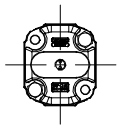
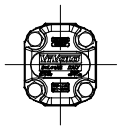
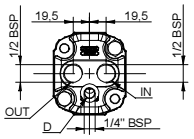
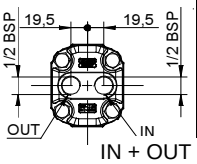
T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

ø50 "HY" Body-Shaped FLANGE

ø50 "HY" Body-Shaped FLANGE	
	13
	16

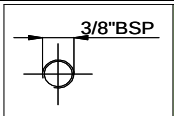
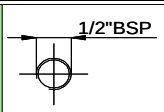
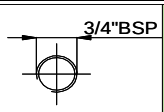
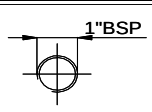
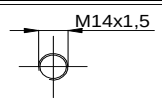
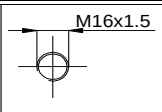
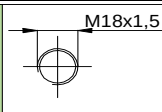
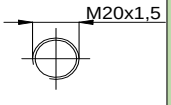
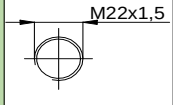
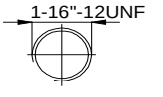
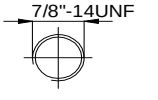
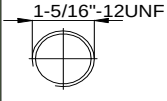
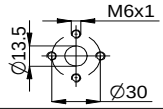
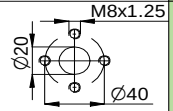
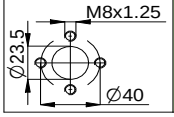
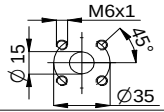
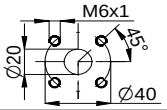
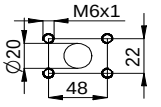
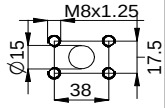
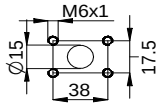
Shaft			
CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B
CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F
SCF03 - Splined T.2 = 86.1 [Nm] 	H		

Cover	
 External drainage	E
 Internal drainage	F
 IN + OUT + external	K
 IN + OUT + internal	L

Displacement	
TYPE	CODE
XV-2M/04	**41**
XV-2M/06	**43**
XV-2M/09	**45**
XV-2M/11	**47**
XV-2M/14	**49**
XV-2M/17	**51**
XV-2M/19	**53**
XV-2M/22	**55**
XV-2M/26	**57**
XV-2M/30	**59**
XV-2M/34	**61**
XV-2M/40	**63**

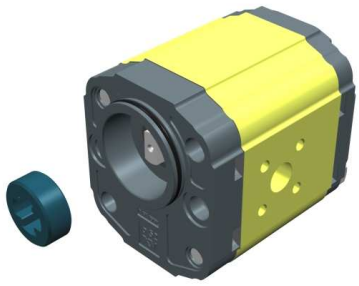
Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)																	
	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

X	2	M	51	19	C	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	19	Ø52 GERMAN STARDARDIZED reversible rotation (with OR)
Shaft	C	CF001 - Milled shank ø15 - thk.8 ("BH" Standard German)
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM216

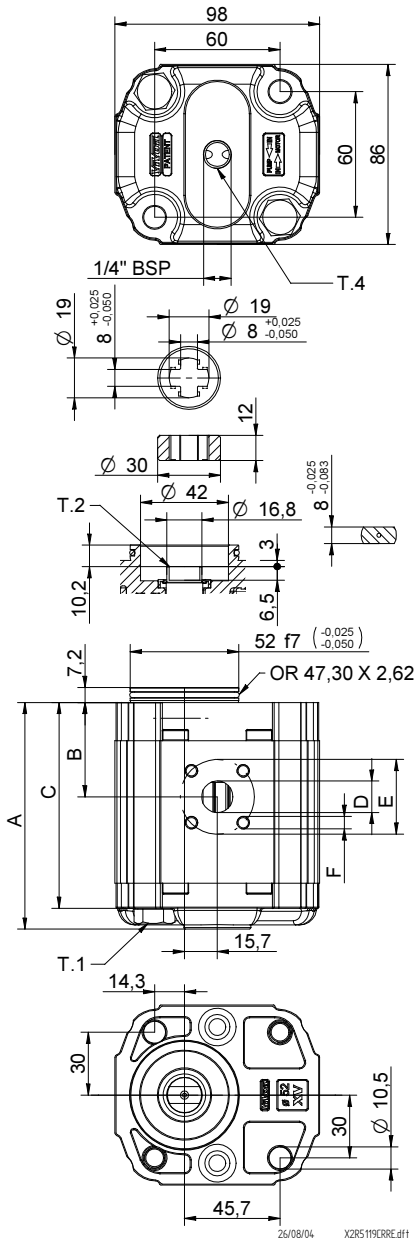
Technical data table

TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	External drainage								Internal drainage							
XV-2M/04	4,20	260	300	X	2	M	41	19	C	R	R	E	X	2	M	41	19	C	R	R	F
XV-2M/06	6,00	260	300	X	2	M	43	19	C	R	R	E	X	2	M	43	19	C	R	R	F
XV-2M/09	8,40	260	300	X	2	M	45	19	C	R	R	E	X	2	M	45	19	C	R	R	F
XV-2M/11	10,80	260	300	X	2	M	47	19	C	R	R	E	X	2	M	47	19	C	R	R	F
XV-2M/14	14,40	250	290	X	2	M	49	19	C	R	R	E	X	2	M	49	19	C	R	R	F
XV-2M/17	16,80	230	270	X	2	M	51	19	C	R	R	E	X	2	M	51	19	C	R	R	F
XV-2M/19	19,20	210	250	X	2	M	53	19	C	R	R	E	X	2	M	53	19	C	R	R	F
XV-2M/22	22,80	200	240	X	2	M	55	19	C	R	R	E	X	2	M	55	19	C	R	R	F
XV-2M/26	26,20	170	210	X	2	M	57	19	C	S	S	E	X	2	M	57	19	C	S	S	F
XV-2M/30	30,00	160	200	X	2	M	59	19	C	S	S	E	X	2	M	59	19	C	S	S	F
XV-2M/34	34,20	150	190	X	2	M	61	19	C	S	S	E	X	2	M	61	19	C	S	S	F
XV-2M/40	39,60	140	180	X	2	M	63	19	C	S	S	E	X	2	M	63	19	C	S	S	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	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,100	87,2	38,6	77,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,200	90,2	38,6	80,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,300	94,2	40,6	84,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,400	98,2	45,0	88,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,600	104,2	45,0	94,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,700	108,2	45,0	98,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,800	112,2	45,0	102,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	2,950	118,2	52,5	108,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,050	122,2	52,5	112,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,300	130,2	60,7	120,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,500	137,2	60,7	127,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,700	146,2	60,7	136,2	ø20	40	M6x1	ø20	40	M6x1

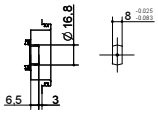
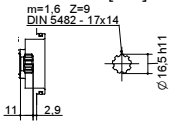
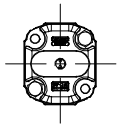
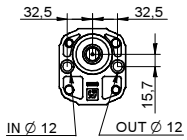
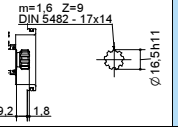
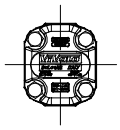
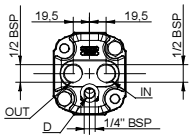
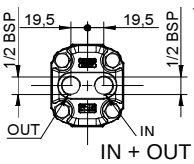


T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.2 = 60.5 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

Standard German ø52 "BH" FLANGE

XV-2M

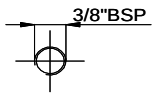
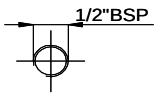
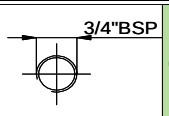
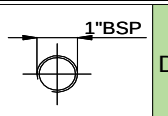
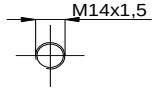
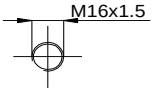
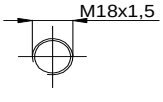
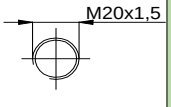
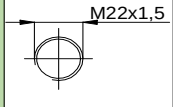
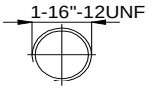
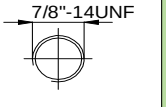
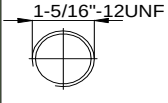
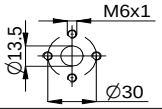
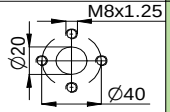
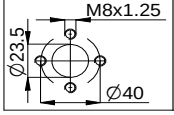
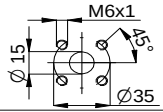
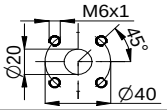
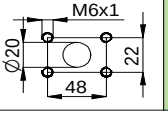
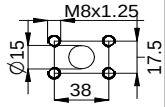
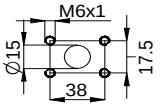
Standard German ø52 "BH" FLANGE		Shaft				Cover	
	19	CF001 - Milled shank T.2 = 60.5 [Nm] 	C	SCF05 - Splined T.2 = 86.2 [Nm] m=1,6 Z=9 DIN 5482 - 17x14 	K	 External drainage	E
	22	SCF01 - Splined T.2 = 86.2 [Nm] m=1,6 Z=9 DIN 5482 - 17x14 	L			 Internal drainage	F
						 IN + OUT + external	K
						 IN + OUT + internal	L

Displacement	
TYPE	CODE
XV-2M/04	**41**
XV-2M/06	**43**
XV-2M/09	**45**
XV-2M/11	**47**
XV-2M/14	**49**
XV-2M/17	**51**
XV-2M/19	**53**
XV-2M/22	**55**
XV-2M/26	**57**
XV-2M/30	**59**
XV-2M/34	**61**
XV-2M/40	**63**

Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

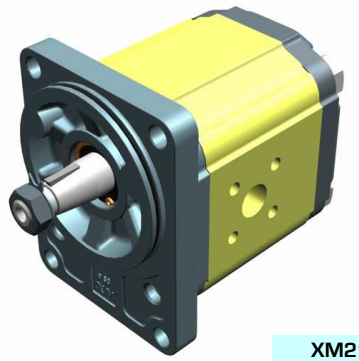
Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 45° Ø 15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

X	2	M	51	25	F	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	25	Ø80 GERMAN STARDARDIZED reversible rotation (with OR)
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM217

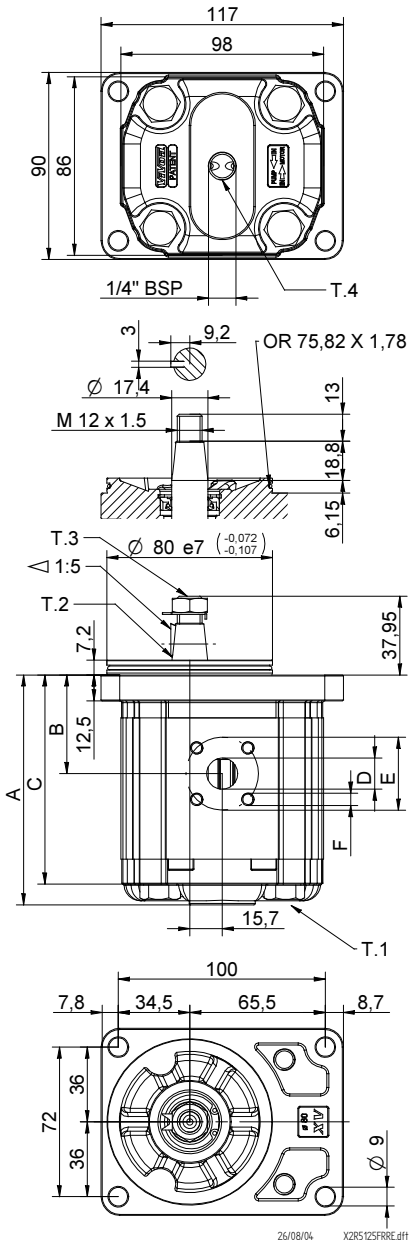
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 25 F R R E	X 2 M 41 25 F R R F
XV-2M/06	6,00	260	300	X 2 M 43 25 F R R E	X 2 M 43 25 F R R F
XV-2M/09	8,40	260	300	X 2 M 45 25 F R R E	X 2 M 45 25 F R R F
XV-2M/11	10,80	260	300	X 2 M 47 25 F R R E	X 2 M 47 25 F R R F
XV-2M/14	14,40	250	290	X 2 M 49 25 F R R E	X 2 M 49 25 F R R F
XV-2M/17	16,80	230	270	X 2 M 51 25 F R R E	X 2 M 51 25 F R R F
XV-2M/19	19,20	210	250	X 2 M 53 25 F R R E	X 2 M 53 25 F R R F
XV-2M/22	22,80	200	240	X 2 M 55 25 F R R E	X 2 M 55 25 F R R F
XV-2M/26	26,20	170	210	X 2 M 57 25 F S S E	X 2 M 57 25 F S S F
XV-2M/30	30,00	160	200	X 2 M 59 25 F S S E	X 2 M 59 25 F S S F
XV-2M/34	34,20	150	190	X 2 M 61 25 F S S E	X 2 M 61 25 F S S F
XV-2M/40	39,60	140	180	X 2 M 63 25 F S S E	X 2 M 63 25 F S S 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	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,330	89,7	41,1	79,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,430	92,7	41,1	82,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,530	96,7	43,1	86,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,630	100,7	47,5	90,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,730	106,7	47,5	96,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,830	110,7	47,5	100,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,930	114,7	47,5	104,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	3,180	120,7	55,0	110,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,280	124,7	55,0	114,7	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,530	132,7	63,2	122,7	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,730	139,7	63,2	129,7	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,930	148,7	63,2	138,7	ø20	40	M6x1	ø20	40	M6x1

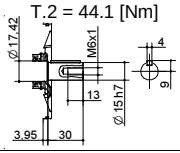
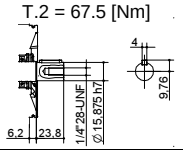
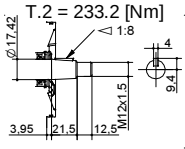
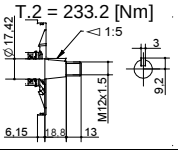
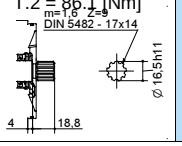


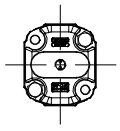
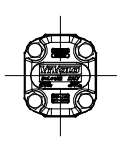
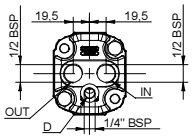
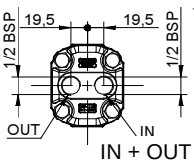
T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

ø80 FLANGE

ø80 FLANGE	
	25

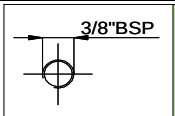
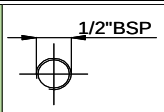
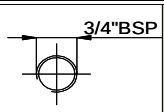
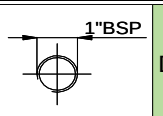
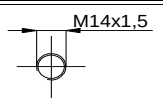
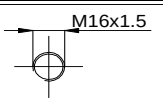
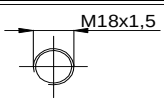
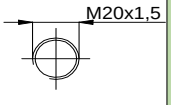
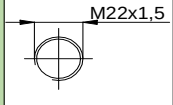
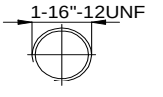
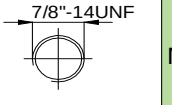
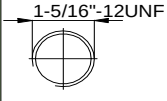
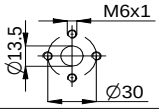
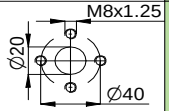
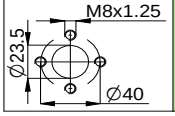
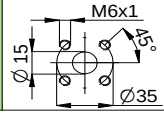
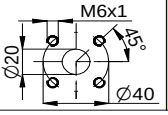
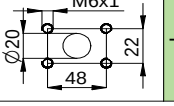
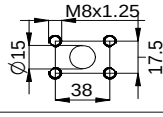
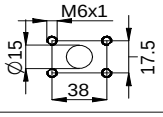
Shaft			
CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B
CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F
SCF03 - Splined T.2 = 86.1 [Nm] 	H		

Cover	
 External drainage	E
 Internal drainage	F
 IN + OUT + external	K
 IN + OUT + internal	L

Displacement	
TYPE	CODE
XV-2M/04	**41**
XV-2M/06	**43**
XV-2M/09	**45**
XV-2M/11	**47**
XV-2M/14	**49**
XV-2M/17	**51**
XV-2M/19	**53**
XV-2M/22	**55**
XV-2M/26	**57**
XV-2M/30	**59**
XV-2M/34	**61**
XV-2M/40	**63**

Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 Ø 15 45° Ø35	R	 M6x1 Ø20 45° Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

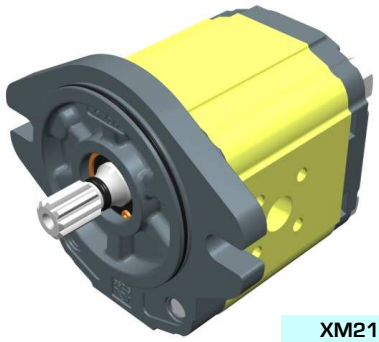
reversible motor - series XV

SAE A TYPE MOTOR
ø82.5 FLANGE - SPLINED SHAFT

XV-2M

X	2	M	51	31	I	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	31	Ø82.5 SAE A reversible rotation (with OR)
Shaft	I	SCF04 - Splined ø15.456 z=9, H=22.5 - SAE J498 9T 16/32DP
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM219

Technical data table

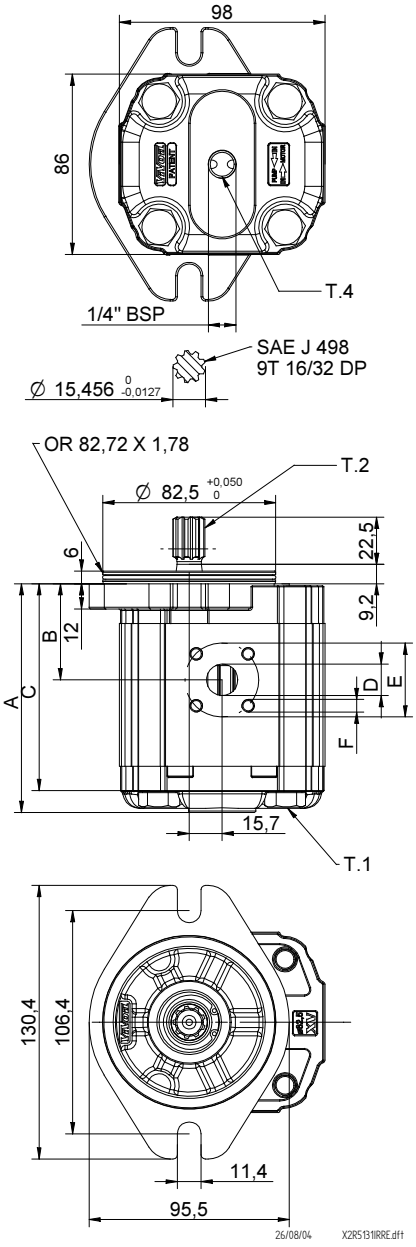
TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	External drainage								Internal drainage							
XV-2M/04	4,20	260	300	X	2	M	41	31	I	R	R	E	X	2	M	41	31	I	R	R	F
XV-2M/06	6,00	260	300	X	2	M	43	31	I	R	R	E	X	2	M	43	31	I	R	R	F
XV-2M/09	8,40	260	300	X	2	M	45	31	I	R	R	E	X	2	M	45	31	I	R	R	F
XV-2M/11	10,80	260	300	X	2	M	47	31	I	R	R	E	X	2	M	47	31	I	R	R	F
XV-2M/14	14,40	250	290	X	2	M	49	31	I	R	R	E	X	2	M	49	31	I	R	R	F
XV-2M/17	16,80	230	270	X	2	M	51	31	I	R	R	E	X	2	M	51	31	I	R	R	F
XV-2M/19	19,20	210	250	X	2	M	53	31	I	R	R	E	X	2	M	53	31	I	R	R	F
XV-2M/22	22,80	200	240	X	2	M	55	31	I	R	R	E	X	2	M	55	31	I	R	R	F
XV-2M/26	26,20	170	210	X	2	M	57	31	I	S	S	E	X	2	M	57	31	I	S	S	F
XV-2M/30	30,00	160	200	X	2	M	59	31	I	S	S	E	X	2	M	59	31	I	S	S	F
XV-2M/34	34,20	150	190	X	2	M	61	31	I	S	S	E	X	2	M	61	31	I	S	S	F
XV-2M/40	39,60	140	180	X	2	M	63	31	I	S	S	E	X	2	M	63	31	I	S	S	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	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,280	88,0	39,4	78,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,380	91,0	39,4	81,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,480	95,0	41,4	85,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,580	99,0	45,8	89,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,780	105,0	45,8	95,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,880	109,0	45,8	99,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,980	113,0	45,8	103,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	3,130	119,0	53,3	109,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,230	123,0	53,3	113,0	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,480	131,0	61,5	121,0	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,680	138,0	61,5	128,0	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,880	147,0	61,5	137,0	ø20	40	M6x1	ø20	40	M6x1



T.1 = 54÷58.9 [Nm] - screw tightening torque M10

T.2 = 67.1 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

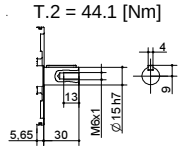
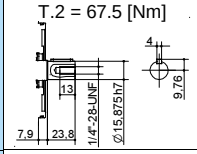
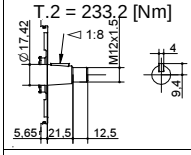
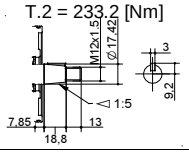
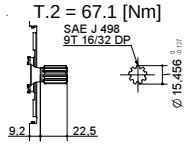
T.4 = 0.3÷0,5 bar - max. drainage pressure

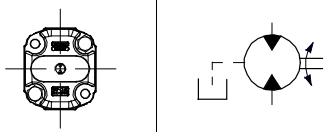
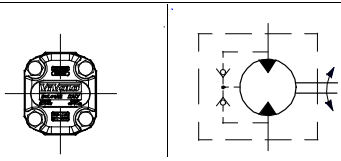
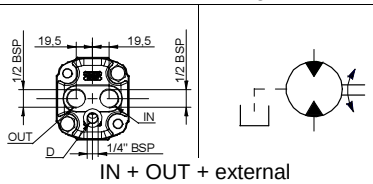
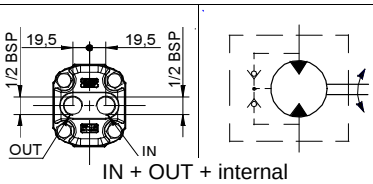
Table of variations

ø82.5 FLANGE "SAE A"

XV-2M

ø82.5 FLANGE "SAE A"	
	31
 Without OR	32

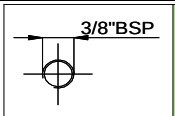
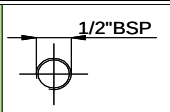
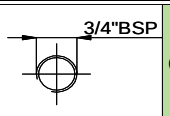
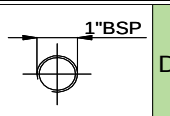
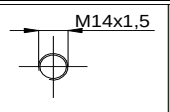
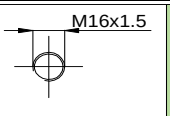
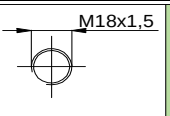
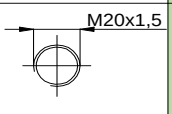
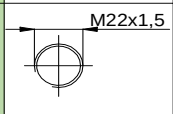
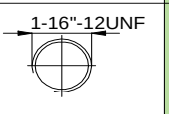
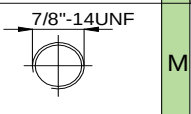
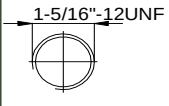
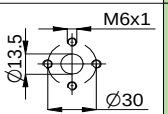
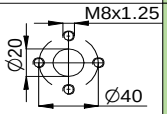
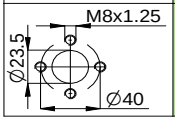
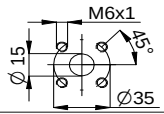
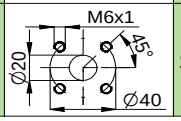
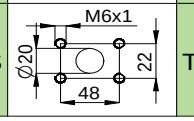
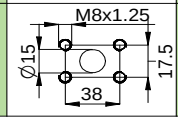
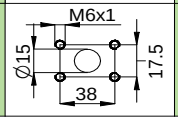
Shaft			
CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B
CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F
SCF04 - Splined T.2 = 67.1 [Nm] 	I		

Cover	
 External drainage	E
 Internal drainage	F
 IN + OUT + external	K
 IN + OUT + internal	L

Displacement	
TYPE	CODE
XV-2M/04	**41**
XV-2M/06	**43**
XV-2M/09	**45**
XV-2M/11	**47**
XV-2M/14	**49**
XV-2M/17	**51**
XV-2M/19	**53**
XV-2M/22	**55**
XV-2M/26	**57**
XV-2M/30	**59**
XV-2M/34	**61**
XV-2M/40	**63**

Standard bodies				
Displacement cm3/rev	Standard threads			
4	O - O	R - R	B - B	Z - Z
6	O - O	R - R	B - B	Z - Z
9	O - O	R - R	B - B	Z - Z
11	O - O	R - R	B - B	Z - Z
14	P - P	R - R	C - C	Z - Z
17	P - P	R - R	C - C	Z - Z
19	P - P	R - R	C - C	Z - Z
22	P - P	R - R	C - C	Z - Z
26	Q - P	S - S	D - D	Z - Z
30	Q - P	S - S	D - D	Z - Z
34	Q - P	S - S	D - D	Z - Z
40	Q - P	S - S	D - D	Z - Z

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)														
 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 45° Ø15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z