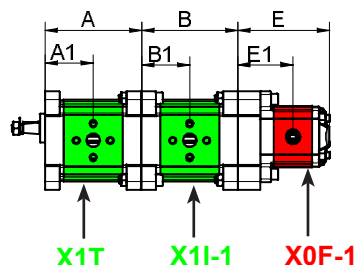
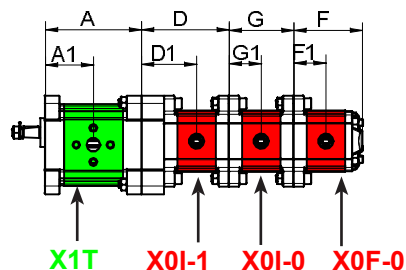
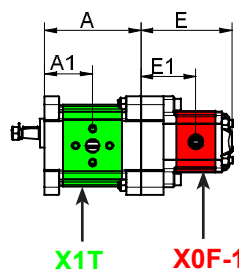
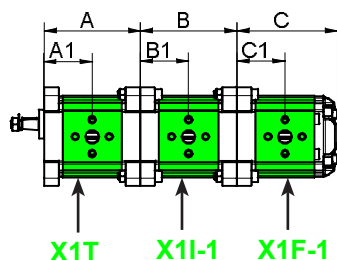
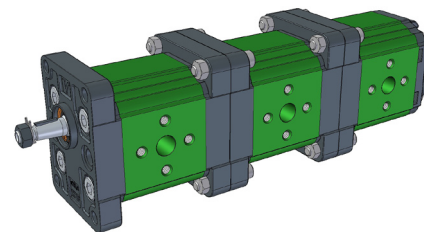
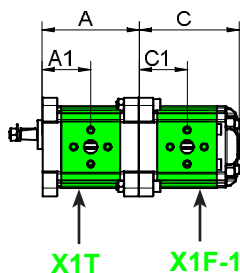
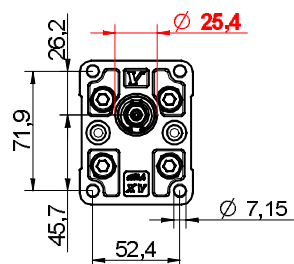


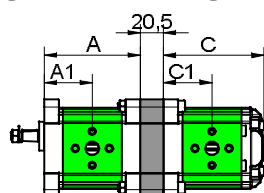
MULTIPLE PUMP XV-1

ø 25,4 FLANGE

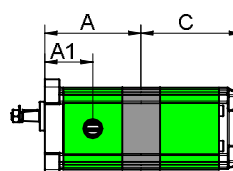
XV-1



SEPARATED STAGES



SINGLE INLET



* = SPECIAL ELEMENT, please contact our customer service for details.

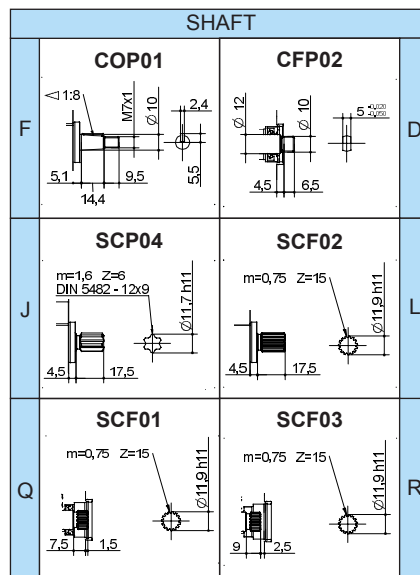
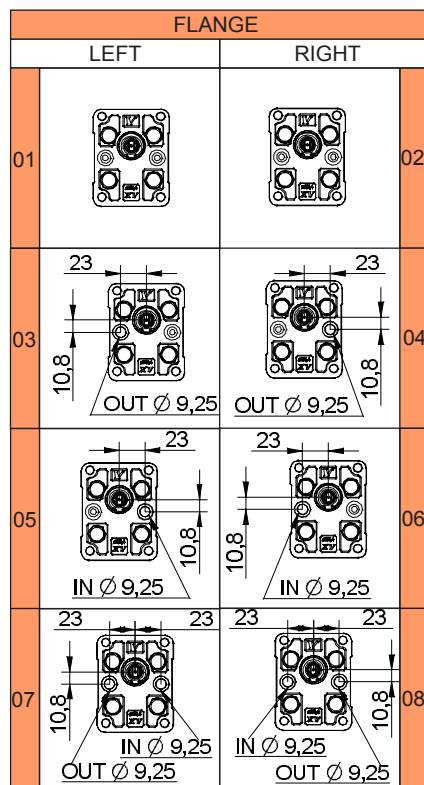
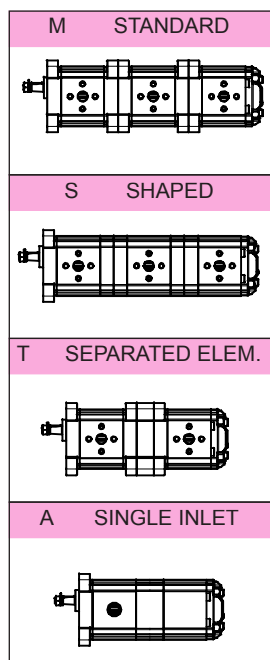
TYPE	Displacement cc/rev	A mm	A1 mm	B mm	B1 mm	C mm	C1 mm	P1 bar	P3 bar	Min speed rpm	Max speed rpm
XV-1 / 0,9	0,91	74,5	37,3	74,5	37,3	78	37,3	240	280	700	6000
XV-1 / 1,2	1,17	75,5	37,8	75,5	37,8	79	37,8	250	290	700	6000
XV-1 / 1,7	1,56	77	38,5	77	38,5	80,5	38,5	250	290	700	6000
XV-1 / 2,2	2,08	79	39,5	79	39,5	82,5	39,5	250	290	700	6000
XV-1 / 2,6	2,60	81	40,5	81	40,5	84,5	40,5	250	300	700	6000
XV-1 / 3,2	3,12	83	41,5	83	41,5	86	41,5	250	300	700	6000
XV-1 / 3,8	3,64	85	42,5	85	42,5	88,5	42,5	250	300	700	6000
XV-1 / 4,3	4,26	87	43,5	87	43,5	90,5	43,5	250	300	700	6000
XV-1 / 4,9	4,94	90	45	90	45	93,5	45	250	300	700	6000
XV-1 / 5,9	5,85	93,5	46,8	93,5	46,8	97	46,8	250	300	700	5000
XV-1 / 6,5	6,50	96	48	96	48	99,5	48	250	300	700	5000
XV-1 / 7,8	7,54	100	50	100	50	103,5	50	220	260	700	5000
XV-1 / 9,8	9,88	109	54,5	109	54,5	112,5	54,5	190	230	700	4000

TYPE	Displacement cc/rev	D mm	D1 mm	E mm	E1 mm	F mm	F1 mm	G mm	G1 mm	P1 bar	P3 bar	Min speed rpm	Max speed rpm
XV-0 / 0,17	0,16	72,3	46,2	75,8	46,2	55,8	26,2	52,3	26,2	220	260	700	9000
XV-0 / 0,25	0,24	72,9	46,5	76,4	46,5	56,4	26,5	52,9	26,5	220	260	700	9000
XV-0 / 0,45	0,45	74,5	47,3	78	47,3	58	27,3	54,5	27,3	220	280	700	9000
XV-0 / 0,57	0,56	75,5	47,8	79	47,8	59	27,8	55,5	27,8	220	280	700	9000
XV-0 / 0,76	0,75	77	48,5	80,5	48,5	60,5	28,5	57	28,5	220	280	700	9000
XV-0 / 0,98	0,92	78,5	49,3	82	49,3	62	29,3	58,5	29,3	220	280	700	6000
XV-0 / 1,27	1,26	81	50,5	84,5	50,5	64,5	30,5	61	30,5	220	280	700	6000
XV-0 / 1,52	1,48	83	51,5	86,5	51,5	66,5	31,5	63	31,5	220	280	700	6000
XV-0 / 2,30	2,28	89	54,5	92,5	54,5	72,5	34,5	69	34,5	220	210	700	5000

MULTIPLE PUMP XV-1

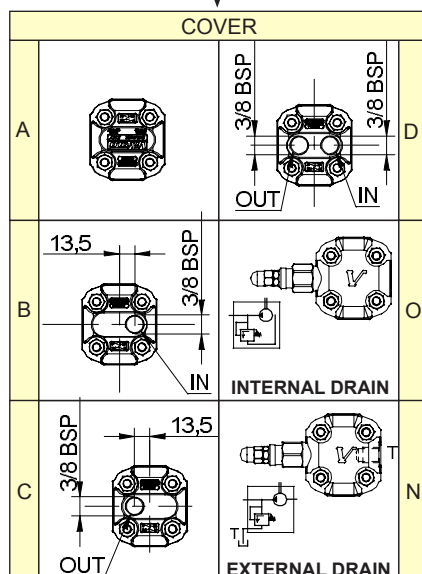
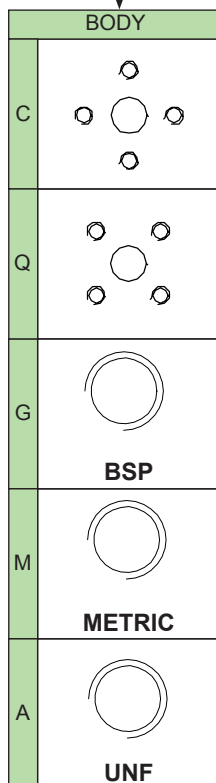
ø 25,4 FLANGE

XV-1



9 M 3 02 F C A 25 25 25

NUMBER OF ELEMENTS



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

DISPLACEMENT	
01	XV-0P/0.17
02	XV-0P/0.25
04	XV-0P/0.45
05	XV-0P/0.57
06	XV-0P/0.76
07	XV-0P/0.98
09	XV-0P/1.27
11	XV-0P/1.52
13	XV-0P/2.30

MULTIPLE PUMPS – SINGLE ELEMENTS

DISPLACEMENT, PRESSURES AND SPEED

	Type	Displacement	Max Pressure	Min speed	Max Speed
XV-0P	XV-0P/0.17	0.16 cm ³ /giro	260 bar	700 giri/min	9000 giri/min
	XV-0P/0.25	0.24 cm ³ /giro	260 bar	700 giri/min	9000 giri/min
	XV-0P/0.45	0.45 cm ³ /giro	280 bar	700 giri/min	9000 giri/min
	XV-0P/0.57	0.56 cm ³ /giro	280 bar	700 giri/min	9000 giri/min
	XV-0P/0.76	0.75 cm ³ /giro	280 bar	700 giri/min	9000 giri/min
	XV-0P/0.98	0.92 cm ³ /giro	280 bar	700 giri/min	6000 giri/min
	XV-0P/1.27	1.26 cm ³ /giro	280 bar	700 giri/min	6000 giri/min
	XV-0P/1.52	1.48 cm ³ /giro	280 bar	700 giri/min	6000 giri/min
	XV-0P/2.30	2.28 cm ³ /giro	210 bar	700 giri/min	5000 giri/min
XV-1P	XV-1P/0.9	0.91 cm ³ /giro	280 bar	700 giri/min	6000 giri/min
	XV-1P/1.2	1.17 cm ³ /giro	290 bar	700 giri/min	6000 giri/min
	XV-1P/1.7	1.56 cm ³ /giro	290 bar	700 giri/min	6000 giri/min
	XV-1P/2.2	2.08 cm ³ /giro	290 bar	700 giri/min	6000 giri/min
	XV-1P/2.6	2.60 cm ³ /giro	300 bar	700 giri/min	6000 giri/min
	XV-1P/3.2	3.12 cm ³ /giro	300 bar	700 giri/min	6000 giri/min
	XV-1P/3.8	3.64 cm ³ /giro	300 bar	700 giri/min	6000 giri/min
	XV-1P/4.3	4.16 cm ³ /giro	300 bar	700 giri/min	6000 giri/min
	XV-1P/4.9	4.94 cm ³ /giro	300 bar	700 giri/min	6000 giri/min
	XV-1P/5.9	5.85 cm ³ /giro	300 bar	700 giri/min	5000 giri/min
	XV-1P/6.5	6.50 cm ³ /giro	300 bar	700 giri/min	5000 giri/min
	XV-1P/7.8	7.54 cm ³ /giro	260 bar	700 giri/min	5000 giri/min
	XV-1P/9.8	9.88 cm ³ /giro	230 bar	700 giri/min	4000 giri/min
	XV-2P/4	4.2 cm ³ /giro	300 bar	700 giri/min	3500 giri/min
XV-2P	XV-2P/6	6.0 cm ³ /giro	300 bar	700 giri/min	3500 giri/min
	XV-2P/9	8.4 cm ³ /giro	300 bar	700 giri/min	3500 giri/min
	XV-2P/11	10.8 cm ³ /giro	300 bar	700 giri/min	3500 giri/min
	XV-2P/14	14.4 cm ³ /giro	290 bar	700 giri/min	3500 giri/min
	XV-2P/17	16.8 cm ³ /giro	270 bar	700 giri/min	3500 giri/min
	XV-2P/19	19.2 cm ³ /giro	250 bar	700 giri/min	3000 giri/min
	XV-2P/22	22.8 cm ³ /giro	240 bar	700 giri/min	3000 giri/min
	XV-2P/26	26.2 cm ³ /giro	210 bar	700 giri/min	3000 giri/min
	XV-2P/30	30.0 cm ³ /giro	200 bar	700 giri/min	2500 giri/min
	XV-2P/34	34.2 cm ³ /giro	190 bar	700 giri/min	2500 giri/min
	XV-2P/40	39.6 cm ³ /giro	180 bar	700 giri/min	2000 giri/min
XV-3P	XV-3P/15	14.89 cm ³ /giro	320 bar	700 giri/min	3000 giri/min
	XV-3P/18	17.37 cm ³ /giro	320 bar	700 giri/min	3000 giri/min
	XV-3P/21	21.10 cm ³ /giro	300 bar	700 giri/min	3000 giri/min
	XV-3P/27	26.97 cm ³ /giro	270 bar	700 giri/min	3000 giri/min
	XV-3P/32	32.27 cm ³ /giro	270 bar	700 giri/min	3000 giri/min
	XV-3P/38	38.47 cm ³ /giro	270 bar	700 giri/min	2800 giri/min
	XV-3P/43	43.44 cm ³ /giro	250 bar	700 giri/min	2800 giri/min
	XV-3P/47	47.16 cm ³ /giro	250 bar	700 giri/min	2800 giri/min
	XV-3P/51	50.88 cm ³ /giro	250 bar	700 giri/min	2800 giri/min
	XV-3P/54	54.60 cm ³ /giro	250 bar	700 giri/min	2300 giri/min
	XV-3P/61	60.81 cm ³ /giro	220 bar	700 giri/min	2300 giri/min
	XV-3P/64	64.53 cm ³ /giro	220 bar	700 giri/min	2300 giri/min
	XV-3P/70	70.74 cm ³ /giro	210 bar	700 giri/min	2300 giri/min
	XV-3P/74	74.46 cm ³ /giro	190 bar	700 giri/min	2300 giri/min
	XV-3P/90	86.87 cm ³ /giro	160 bar	700 giri/min	2300 giri/min

MULTIPLE PUMPS – SINGLE ELEMENTS

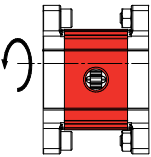
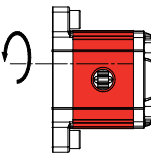
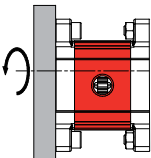
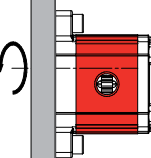
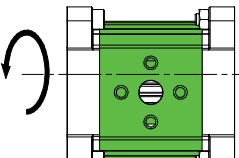
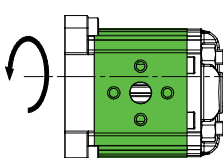
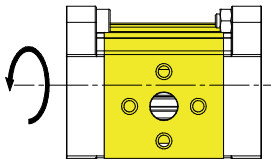
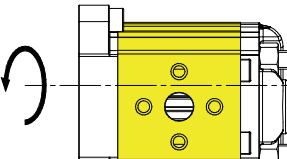
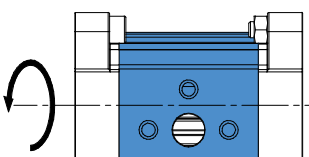
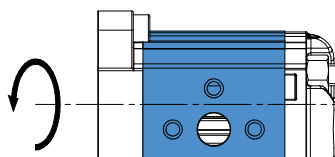
The recommended values are summarized in the following tables:

TORQUES ALLOWED ON DRIVING PUMP SHAFT:

	SHAFT [IDENTIFIER] - CODE - DESCRIPTION	T Max [Nm]
XV-0P	[A] - CI001 - Parallel $\varnothing$ 7 - M 7x1 - key thk sp.2	2.1
	[B] - CF001 - Milled shank $\varnothing$ 7 - sp. 5	9,2
	[F] - CF005 - Milled shank $\varnothing$ 7 - sp.4,5 L = 9	8.4
XV-1P	[A] - CI001 - Parallel $\varnothing$ 12 - M10x1 - key thk. 3	25,8
	[B] - CI002 - Parallel $\varnothing$ 12.7 - key thk. 3.2 (SAE)	32,8
	[C] - CF001 - Milled shank $\varnothing$ 10 - thk.5 ("BH" Standard German)	13,8
	[D] - CF002 - Milled shank $\varnothing$ 10 - thk.5	13,8
	[E] - CF003 - Milled shank $\varnothing$ 11 - thk.6.63 (SAE)	25,8
	[F] - CO001 - Tapered 1:8 - $\varnothing$ 10 - M7x1 - key thk.2.4	43.1
	[G] - CO002 - Tapered 1:8 - $\varnothing$ 14 - M10x1 - key thk.3	119,8
	[I] - CO004 - Tapered 1:8 - $\varnothing$ 12.7 - 5/16" 24UNF-2A - key thk.3.2 (SAE)	90,4
	[J] - SCF04 - Splined $\varnothing$ 11.7 - z=6, H=17.5, m=1.6, DIN 5482 12x9	22,6
	[K] - SCF05 - Splined $\varnothing$ 12.344, z=9, H=19, SAE J498 9T 20/40DB	32,2
	[L] - SCF02 - Splined $\varnothing$ 11.9, z=15, H=17.5, m=0.75	42,8
	[O] - CO002+HK - Tapered 1:8 - $\varnothing$ 14 - M10x1, HK 14-12, key thk.3	119,8
	[P] - CI001+HK - Parallel $\varnothing$ 12 - M10x1 with bearing HK 14-12 - key thk.3	25,8
	[Q] - SCF01 - Splined $\varnothing$ 11.9, z=15, H=9, m=0.75	42,8
	[R] - SCF03 - Splined $\varnothing$ 11.9, z=15, H=9, m=0.75	42,8
XV-2P	[A] - CI001 - Parallel $\varnothing$ 15 - M6x1 - key thk.4	44.1
	[B] - CI002 - Parallel $\varnothing$ 15.875 – 1/4"28-UNF key thk.4 (SAE A)	67.5
	[C] - CF001 - Miled shank $\varnothing$ 15 - thk.8 ("BH" Standard German)	60.5
	[E] - CO001 - Tapered 1:8 - $\varnothing$ 17,4 - M12x1,5 - key thk.4	233.2
	[F] - CO002 - Tapered 1:5 - $\varnothing$ 17,4 - M12x1,5 - key thk.3	233.2
	[G] - SCF02 - Splined $\varnothing$ 16,5 - z=9, H=13, m=1.6 DIN 5482 17x14	86.1
	[H] - SCF03 - Splined $\varnothing$ 16.5 - z=9, H=18,8, m=1,6 DIN 5482 17x14	86.1
	[I] - SCF04 - Splined $\varnothing$ 15.456 z=9, H=22.5, SAE J498 9T 16/32DP	67.1
	[K] - SCF05 - Splined $\varnothing$ 16.5 z=9 H=8,1 m=1.6 DIN 5482 17x14	86.2
	[L] - SCF01- Splined $\varnothing$ 16.5 z=9 H=9,2 m=1.6 DIN 5482 17x14	86.2
	[M] - CO001 - Tapered 1:8 - $\varnothing$ 17,4 - M12x1,5 - key thk.3,2	233.2
	[A] - CO001 - Tapered 1:8 - $\varnothing$ 22 – M14x1.5 - key thk.4	482
XV-3P	[B] - CI001 - Parallel $\varnothing$ 20 - M8 - key thk.5	181
	[C] - SCF03 - Splined $\varnothing$ 21.5, z=13, H=25, m=1,6	223
	[H] - CI004 - Parallel $\varnothing$ 22.225– 1/4"28-UNF key thk.6.35 (SAE B)	180
	[I] - SCF04 - Splined $\varnothing$ 21.8059, z=13, H=25, SAE J498 9T 16/32DP	264

MULTIPLE PUMPS – SINGLE ELEMENTS

TORQUES ALLOWED ON FINAL AND INTERMEDIATE PUMP SHAFT:

Composition	Intermediate Pump Couple T_{int}	Final Pump Couple T_{fin}
0P + 0P	 3,7 Nm	 3,7 Nm
1P + 0P 2P + 0P 3P + 0P	 2,1 Nm	 2,1 Nm
1P + 1P 2P + 1P 3P + 1P	 42,8 Nm	 42,8 Nm
2P + 2P 3P + 3P	 86,2 Nm	 86,2 Nm
3P + 3P	 332 Nm	 332 Nm