

Hydraulics Network



**GEAR PUMPS, MOTORS &
FLOW DIVIDERS
2023**



OIL SOLUTIONS

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"For All Your Hydraulic Needs"

ORDER CODES FOR VIVOIL GROUP 0 PUMPS

Series	Group	Pump	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	O	P	05	02	A	B	B	A

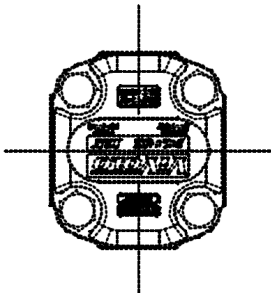
DISPLACEMENT	
0.16cc	01
0.24cc	02
0.45cc	04
0.56cc	05
0.75cc	06
0.98cc	07
1.27cc	09
1.48cc	11
2.28cc	13

CI001 - Parallel

$T.2 = 2.1 \text{ [Nm]}$

Parallel Ø 7 mm M7 x 1
Key 2 mm

REAR COVER



A

FLANGE

LEFT ROTATION

01

RIGHT ROTATION

02

PORTS	INLET	OUTLET
0.17cc	B	B
0.25cc	B	B
0.45cc	B	B
0.57cc	B	B
0.76cc	B	B
0.98cc	B	B
1.27cc	B	B
1.52cc	B	B
2.30cc	B	B

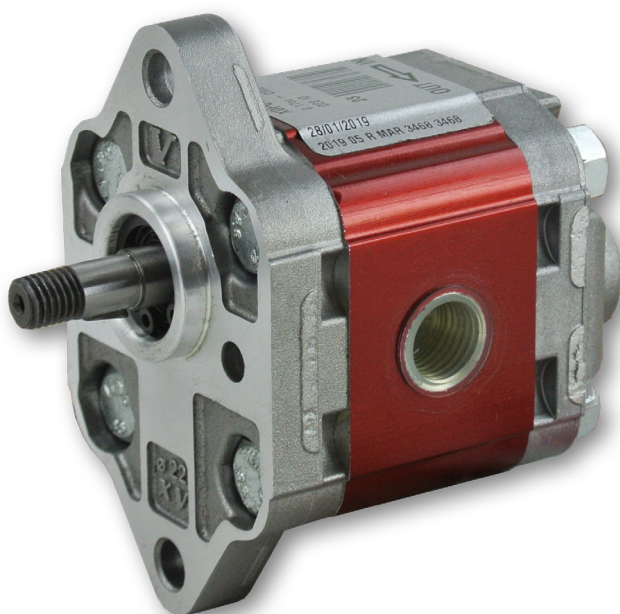
B = 1/4" BSPP

Group 0 Pump DIN Mount, M7x1 Keyed Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
XOP0102ABBA		0.16	220	260	700/9000	1/4" BSPP	1/4" BSPP	55.8	26.2	46.8
XOP0202ABBA		0.24	220	260	700/9000	1/4" BSPP	1/4" BSPP	56.4	26.5	47.4
XOP0402ABBA		0.45	220	237	700/9000	1/4" BSPP	1/4" BSPP	58	27.3	49
XOP0502ABBA		0.56	191	191	700/9000	1/4" BSPP	1/4" BSPP	59	27.8	50
XOP0602ABBA		0.75	142	142	700/9000	1/4" BSPP	1/4" BSPP	60.5	28.5	51.5
XOP0702ABBA		0.92	116	116	700/6000	1/4" BSPP	1/4" BSPP	62	29.3	53
XOP0902ABBA		1.26	85	85	700/6000	1/4" BSPP	1/4" BSPP	64.5	30.5	55.5
XOP1102ABBA		1.48	72	72	700/6000	1/4" BSPP	1/4" BSPP	66.5	31.5	57.5
XOP1302ABBA		2.28	47	47	700/5000	1/4" BSPP	1/4" BSPP	72.5	34.5	63.5

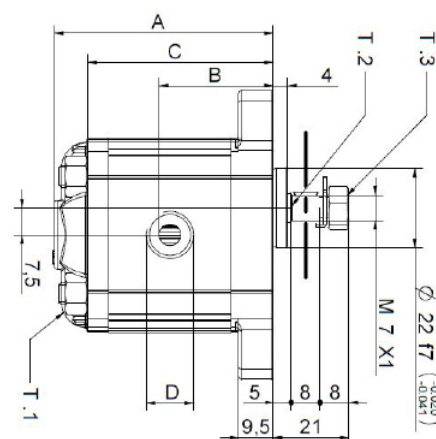
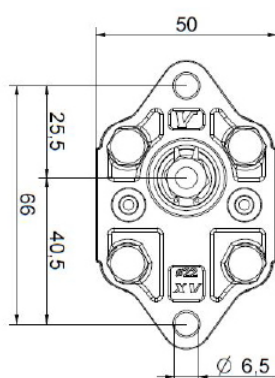
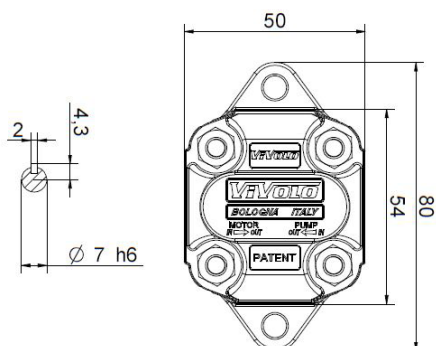
Group 0 Pump Seal Kit

Part #	List Price \$	Material
8KGX0P1.A		NBR



CW (standard) or CCW rotation available

Group 0-3 tandem pump compatible



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ORDER CODES FOR VIVOIL GROUP 1 PUMPS

Series	Group	Pump	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	1	P	27	01	F	B	B	A

DISPLACEMENT	
0.91cc	16
1.17cc	17
1.56cc	18
2.08cc	20
2.60cc	21
3.12cc	23
3.64cc	25
4.16cc	27
4.94cc	29
5.85cc	31
6.50cc	32
7.54cc	34
9.88cc	36

SHAFT	
CO001 - Tapered T.2 = 43 [Nm] Tapered 1:8 Ø 10mm - M7x1 Key 2.4mm	F
CI002 - Parallel T.2 = 32.8 [Nm] Parallel Ø 1/2" - Key 3.2mm	B
CF002 - Milled shank T.2 = 13.8 [Nm]	D

	FLANGE	
	LEFT ROTATION	RIGHT ROTATION
 DIN Group 1	01	02
 SAE-AA	61	62
 OUT Ø 9.25 (43)	43	44
 OUT Ø 9.25 (44)	43	44
 OUT Ø 9.25 (42)	41	42

PORTS	INLET	OUTLET
0.9cc	B	B
1.2cc	B	B
1.7cc	B	B
2.2cc	B	B
2.6cc	B	B
3.2cc	C	B
3.8cc	C	B
4.3cc	C	B
4.9cc	C	B
5.9cc	C	B
6.5cc	C	B
7.8cc	C	B
9.8cc	C	B

B = 3/8" BSPP, C = 1/2" BSPP

REAR COVER	
	A
	D
	N-11 10-105 bar
	N-12 70-210 bar
	N-13 140-350 bar

With Relief Valve

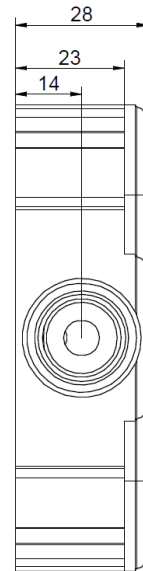
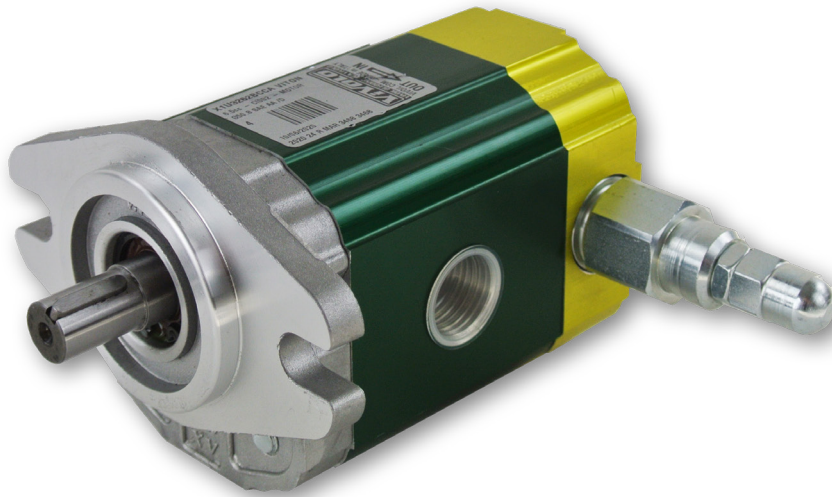
Please note:

Additional costs apply for non-standard options

**RELIEF VALVES OPTIONS
ON NEXT PAGE**

Group 1 Pump Rear Cover with Integrated Relief Valve

Part #	List Price \$	Maximum Flow Rate	Relief Range	
			Minimum	Maximum
N-11		50 lpm	10 bar	105 bar
N-12		50 lpm	70 bar	210 bar
N-13		50 lpm	140 bar	350 bar



Please Note:

Pricing for rear cover with integrated relief valve is in addition to standard pump price.



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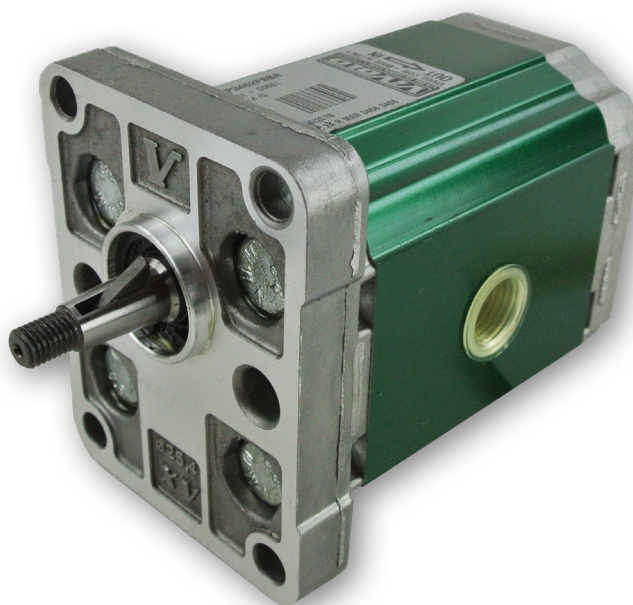
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Group 1 Pump DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X1P1602FBBA		0.91	240	280	6000/700	3/8" BSPP	3/8" BSPP	78.1	37.3	66.1
X1P1702FBBA		1.17	250	290	6000/700	3/8" BSPP	3/8" BSPP	79.0	37.8	67.0
X1P1802FBBA		1.56	250	290	6000/700	3/8" BSPP	3/8" BSPP	80.5	38.5	68.5
X1P2002FBBA		2.08	250	290	6000/700	3/8" BSPP	3/8" BSPP	82.5	39.5	70.5
X1P2102FBBA		2.60	250	300	6000/700	3/8" BSPP	3/8" BSPP	84.5	40.5	72.5
X1P2302FCBA		3.12	250	300	6000/700	1/2" BSPP	3/8" BSPP	86.5	41.5	74.5
X1P2502FCBA		3.64	250	300	6000/700	1/2" BSPP	3/8" BSPP	88.5	42.5	76.5
X1P2702FCBA		4.16	250	300	6000/700	1/2" BSPP	3/8" BSPP	90.5	43.5	78.5
X1P2902FCBA		4.94	250	300	6000/700	1/2" BSPP	3/8" BSPP	93.5	45.0	81.5
X1P3102FCBA		5.85	250	300	5000/700	1/2" BSPP	3/8" BSPP	97.0	46.8	85.0
X1P3202FCBA		6.50	250	300	5000/700	1/2" BSPP	3/8" BSPP	98.5	48.0	86.5
X1P3402FCBA		7.54	220	260	5000/700	1/2" BSPP	3/8" BSPP	103.5	50.0	91.5
X1P3602FCBA		9.88	190	230	4000/700	1/2" BSPP	3/8" BSPP	112.5	54.5	100.5

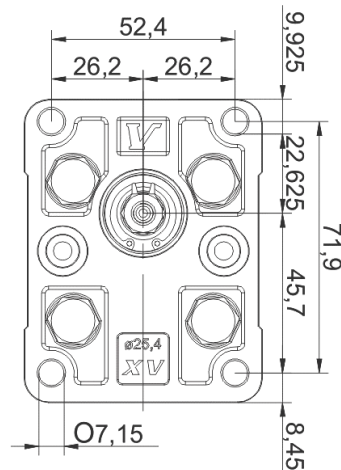
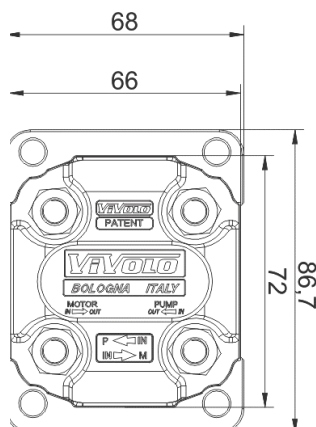
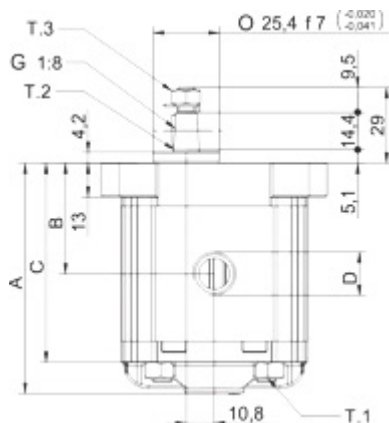
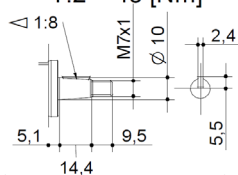
Group 1 Pump Seal Kit

Part #	List Price \$	Material
8KGX1P1.A		NBR
8KGX1P1.V		Viton



CO001 - Tapered

T.2 = 43 [Nm]



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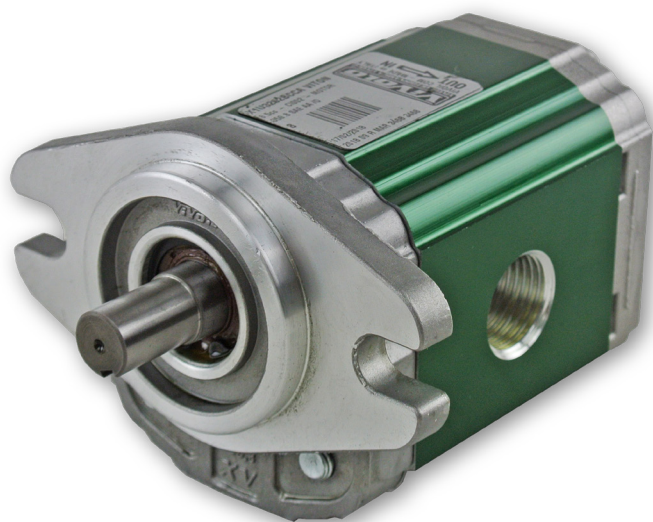
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Group 1 Pump SAE AA Mount, 1/2" Keyed Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X1P1662BBBA		0.91	240	280	6000/700	3/8" BSPP	3/8" BSPP	82.6	41.8	70.6
X1P1762BBBA		1.17	250	290	6000/700	3/8" BSPP	3/8" BSPP	83.5	42.3	71.5
X1P1862BBBA		1.56	250	290	6000/700	3/8" BSPP	3/8" BSPP	85.0	43.0	73.0
X1P2062BBBA		2.08	250	290	6000/700	3/8" BSPP	3/8" BSPP	87.0	44.0	75.0
X1P2162BBBA		2.60	250	300	6000/700	3/8" BSPP	3/8" BSPP	89.0	45.0	77.0
X1P2362BCBA		3.12	250	300	6000/700	1/2" BSPP	3/8" BSPP	91.0	46.5	79.0
X1P2562BCBA		3.64	250	300	6000/700	1/2" BSPP	3/8" BSPP	93.0	47.0	81.0
X1P2762BCBA		4.16	250	300	6000/700	1/2" BSPP	3/8" BSPP	95.0	48.0	83.0
X1P2962BCBA		4.94	250	300	6000/700	1/2" BSPP	3/8" BSPP	98.0	49.5	86.0
X1P3162BCBA		5.85	250	299	5000/700	1/2" BSPP	3/8" BSPP	101.5	51.3	89.5
X1P3262BCBA		6.50	250	269	5000/700	1/2" BSPP	3/8" BSPP	105.0	52.5	93.0
X1P3462BCBA		7.54	220	232	5000/700	1/2" BSPP	3/8" BSPP	108.0	54.5	96.0
X1P3662BCBA		9.88	177	177	4000/700	1/2" BSPP	3/8" BSPP	117.0	59.0	105.0

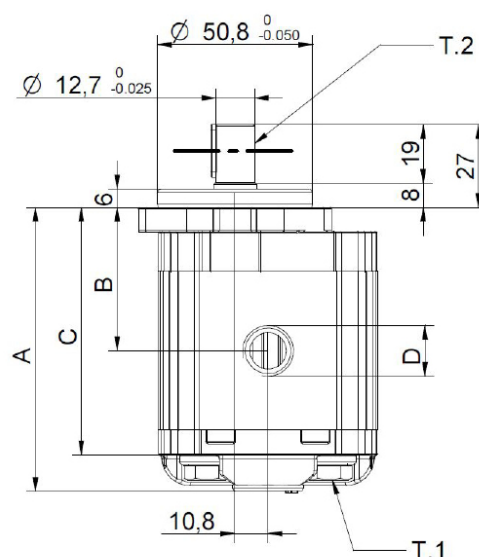
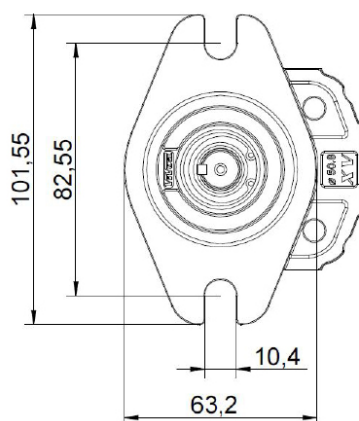
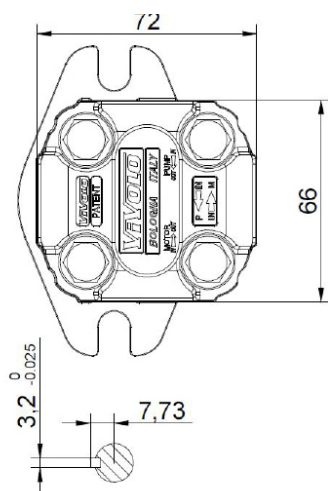
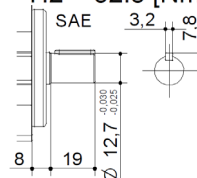
Group 1 Pump Seal Kit

Part #	List Price \$	Material
8KGX1P2.A		NBR
8KGX1P2.V		Viton



CI002 - Parallel

T.2 = 32.8 [Nm]



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Group 1 Pump BH Mount, Tang Drive Shaft (CCW Standard)

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X1P1641DBBA		0.91	240	280	6000/700	3/8" BSPP	3/8" BSPP	82.6	41.8	70.6
X1P1741DBBA		1.17	250	290	6000/700	3/8" BSPP	3/8" BSPP	83.5	42.3	71.5
X1P1841DBBA		1.56	250	290	6000/700	3/8" BSPP	3/8" BSPP	85.0	43.0	73.0
X1P2041DBBA		2.08	250	290	6000/700	3/8" BSPP	3/8" BSPP	87.0	44.0	75.0
X1P2141DBBA		2.60	250	283	6000/700	3/8" BSPP	3/8" BSPP	89.0	45.0	77.0
X1P2341DCBA		3.12	236	236	6000/700	1/2" BSPP	3/8" BSPP	91.0	46.5	79.0
X1P2541DCBA		3.64	202	202	6000/700	1/2" BSPP	3/8" BSPP	93.0	47.0	81.0
X1P2741DCBA		4.16	177	177	6000/700	1/2" BSPP	3/8" BSPP	95.0	48.0	83.0
X1P2941DCBA		4.94	149	149	6000/700	1/2" BSPP	3/8" BSPP	98.0	49.5	86.0
X1P3141DCBA		5.85	126	126	5000/700	1/2" BSPP	3/8" BSPP	101.5	51.3	89.5
X1P3241DCBA		6.50	113	113	5000/700	1/2" BSPP	3/8" BSPP	105.0	52.5	93.0
X1P3441DCBA		7.54	98	98	5000/700	1/2" BSPP	3/8" BSPP	108.0	54.5	96.0
X1P3641DCBA		9.88	75	75	4000/700	1/2" BSPP	3/8" BSPP	117.0	59.0	105.0



41/42 Flange



43 Flange



44 Flange

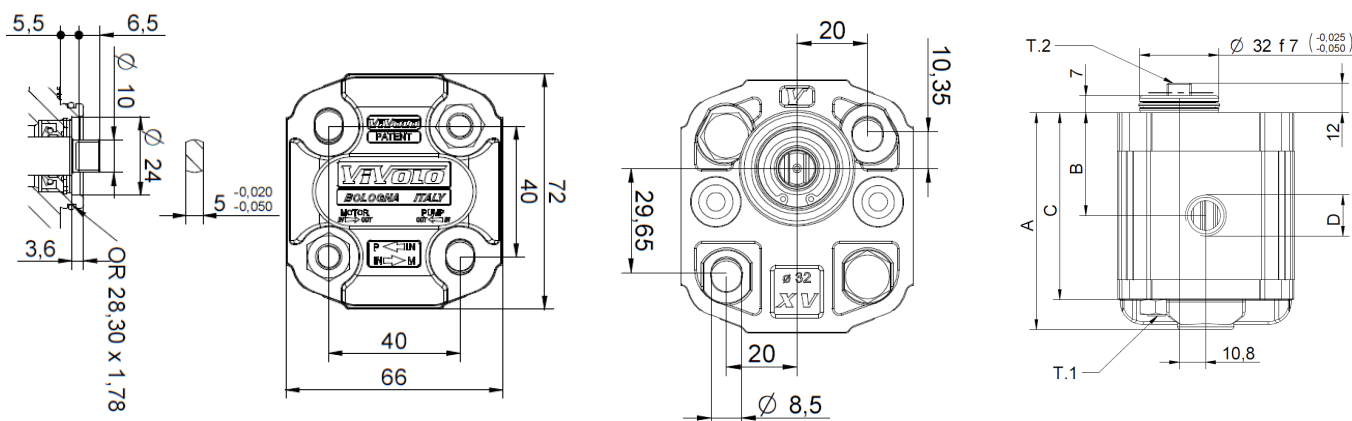
* See nomenclature chart on page 102 for flange codings

CW (standard) or CCW rotation available

Relief valves/tandem pumps available

Group 1 Pump Seal Kit

Part #	List Price \$	Material
8KGX1P2.A		NBR
8KGX1P2.V		Viton



Suitable for Hydraulics Network DC & AC Power Units - see order code for centre block port covers (page 102)

ORDER CODES FOR VIVOIL GROUP 2 PUMPS

Series	Group	Pump	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	2	P	51	02	E	C	B	A

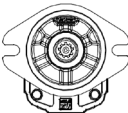
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4.2cc	41
6.0cc	43
8.4cc	45
10.8cc	47
14.4cc	49
16.8cc	51
19.2cc	53
22.8cc	55
26.2cc	57
30.0cc	59
34.2cc	61
39.6cc	63

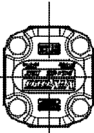
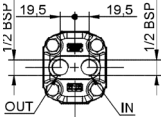
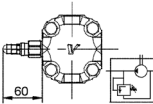
PORTS	INLET	OUTLET
4.2cc	B	B
6.0cc	B	B
8.4cc	C	B
10.8cc	C	B
14.4cc	C	B
16.8cc	D	C
19.2cc	D	C
22.8cc	D	C
26.2cc	D	C
30.0cc	D	C
34.2cc	D	C
39.6cc	D	C

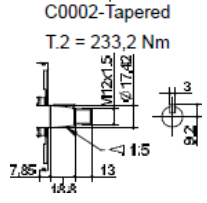
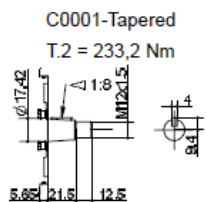
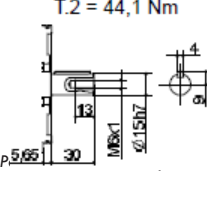
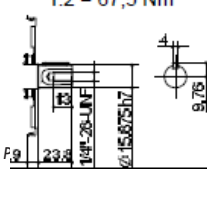
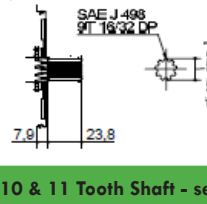
B = 1/2" BSPP

C = 3/4" BSPP

D = 1" BSPP

FLANGE		LEFT ROTATION	RIGHT ROTATION
 DIN Group 2  SAE-A  Ø80 German Standard  Ø50 HY German Standardised (highlighted mounting hole)  Ø50 BH German Standardised (highlighted mounting hole)  DIN Group 2 Bearing Carrier 1:8 taper		01	02
		51	52
		41	42
		21	22
		11	12
		1S	1D

REAR COVER		
		
With Relief Valve		
A	D	N-21 10-105 bar
		N-22 70-210 bar
		N-23 140-350 bar
RELIEF VALVE & PRIORITY HEAD OPTIONS ON NEXT PAGE		

SHAFT		F
 C0002-Tapered T.2 = 233,2 Nm Tapered 1:5 Ø 17.4mm M12x1.5 - Key 3mm GERMAN STANDARDIZED ONLY		E
		A
 C0001-Tapered T.2 = 233,2 Nm M12x1.5 - Key 4mm		B
		I
 CI001-Parallel T.2 = 44,1 Nm		
 CI002-Parallel T.2 = 67,5 Nm		
 SCF04-Splined T.2 = 104,6 Nm SAE J-498 21 18 32 DP		

10 & 11 Tooth Shaft - see page 113

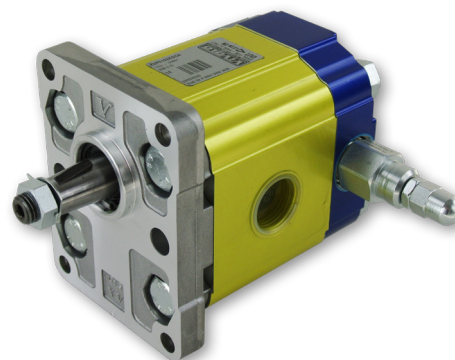
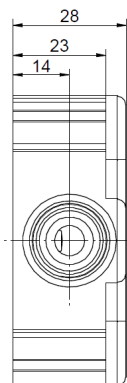
Please note:
Additional costs apply for non-standard options

Group 2 Pump Rear Cover with Integrated Relief Valve

Part #	List Price \$	Maximum Flow Rate	Relief Range	
			Minimum	Maximum
N-21		50 lpm	10 bar	105 bar
N-22		50 lpm	70 bar	210 bar
N-23		50 lpm	140 bar	350 bar

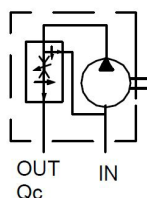
Please Note:

Pricing for rear cover with integrated relief valve and rear cover with priority head is in addition to standard pump price.



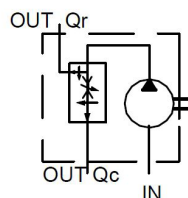
Priority Head Internal Excess Flow

Rear Cover Part #	List Price \$	QC Port	Flow Adjustment	
			Minimum	Maximum
CB62		3/8" BSPP	3 lpm	6 lpm
CB58		3/8" BSPP	6 lpm	11 lpm
CB63		3/8" BSPP	8 lpm	16 lpm
CB64		3/8" BSPP	13 lpm	25 lpm
CB70		3/8" BSPP	25 lpm	45 lpm



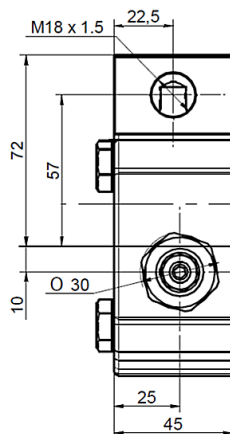
CB

Qc = ADJUSTABLE CONSTANT FLOW



CA

Qc = ADJUSTABLE CONSTANT FLOW
Qr = EXCEEDING FLOW



Priority Head External Excess Flow

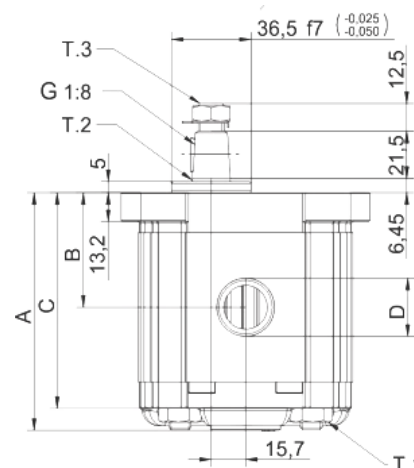
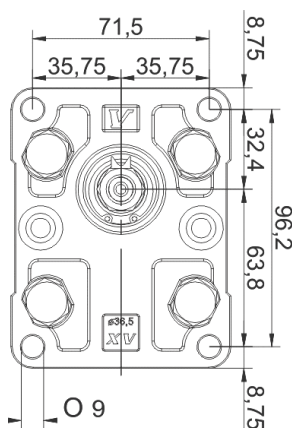
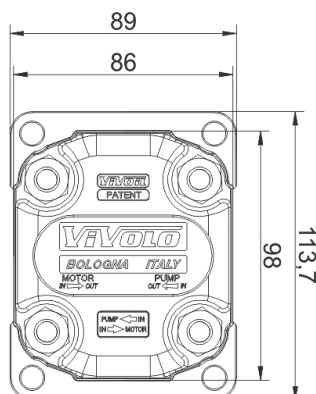
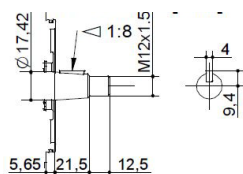
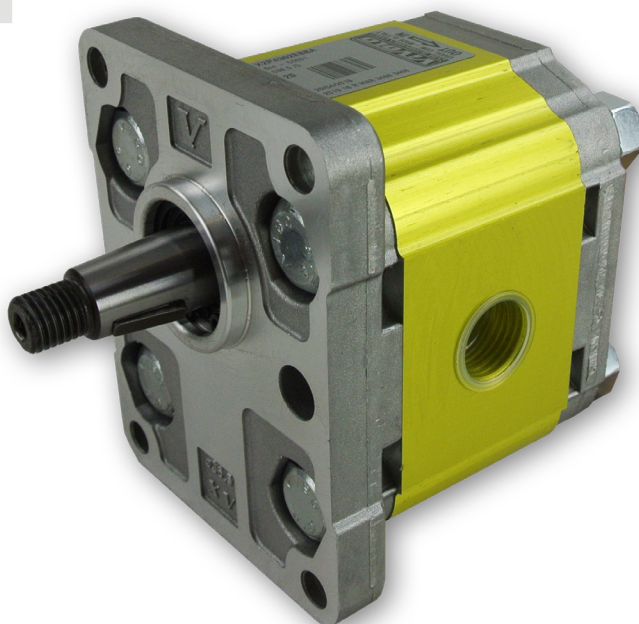
Rear Cover Part #	List Price \$	QC/QR Ports	Flow Adjustment	
			Minimum	Maximum
CA62		3/8" BSPP	3 lpm	6 lpm
CA58		3/8" BSPP	6 lpm	11 lpm
CA63		3/8" BSPP	8 lpm	16 lpm
CA64		3/8" BSPP	13 lpm	25 lpm
CA70		3/8" BSPP	25 lpm	45 lpm

Group 2 Pump DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4102EBBA		4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	87.2	41.7	77.2
X2P4302EBBA		6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	90.2	43.2	80.2
X2P4502ECBA		8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	94.2	45.2	84.2
X2P4702ECBA		10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	98.2	47.2	88.2
X2P4902ECBA		14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	104.2	50.2	94.2
X2P5102EDCA		16.8	230	270	3500/700	1" BSPP	3/4" BSPP	108.2	52.2	98.2
X2P5302EDCA		19.2	210	250	3000/700	1" BSPP	3/4" BSPP	112.2	54.2	102.2
X2P5502EDCA		22.8	200	240	3000/700	1" BSPP	3/4" BSPP	118.2	57.2	108.2
X2P5702EDCA		26.2	170	210	3000/700	1" BSPP	3/4" BSPP	122.2	59.2	112.2
X2P5902EDCA		30.0	160	200	2500/700	1" BSPP	3/4" BSPP	130.2	63.2	120.2
X2P6102EDCA		34.2	150	190	2500/700	1" BSPP	3/4" BSPP	137.2	66.7	127.2
X2P6302EDCA		39.6	140	180	2000/700	1" BSPP	3/4" BSPP	146.2	71.2	136.2

Group 2 Pump Seal Kit

Part #	List Price \$	Material
8KGX2P1.A		NBR
8KGX2P1.V		Viton



CW (standard) or CCW rotation available

Group 0-3 tandem pump compatible

Relief valves/tandem pumps available

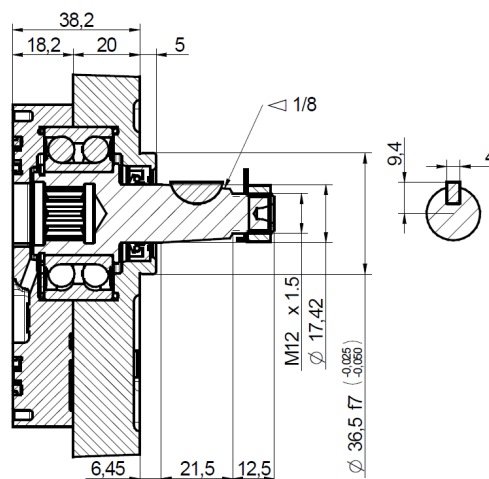
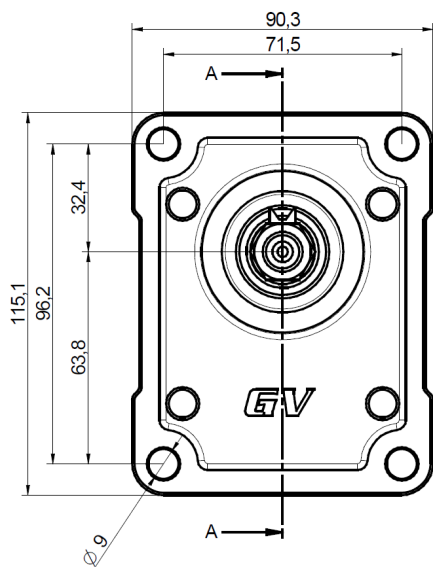
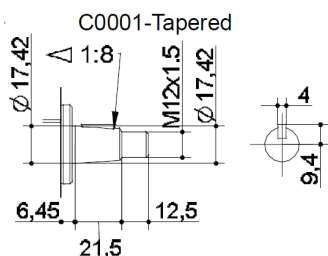
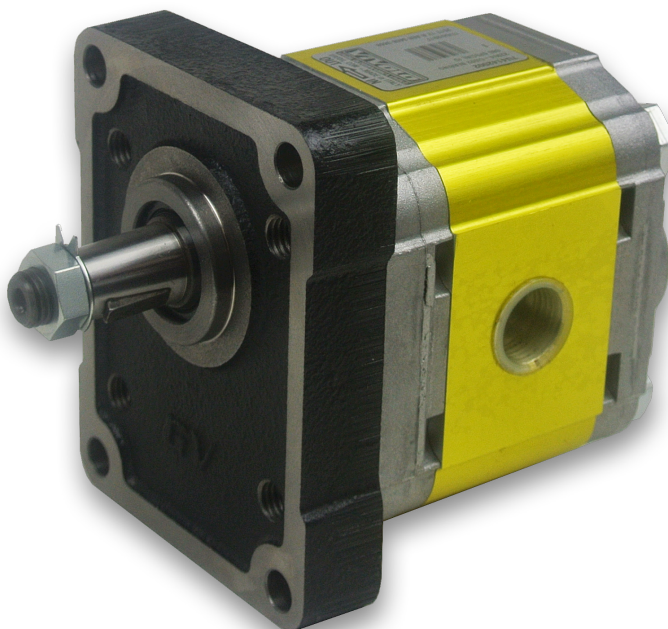
SAE A-2 bolt available keyed or spline shaft

Priority head options on page 108

Group 2 Pump DIN Mount With Bearing Carrier, 1:8 Tapered Shaft



Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
NEW X2P411DEBBA		4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	107.2	41.7	77.2
NEW X2P431DEBBA		6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	110.2	43.2	80.2
NEW X2P451DECBA		8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	114.2	45.2	84.2
NEW X2P471DECBA		10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	118.2	47.2	88.2
NEW X2P491DECBA		14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	124.2	50.2	94.2
NEW X2P511DEDCA		16.8	230	270	3500/700	1" BSPP	3/4" BSPP	128.2	52.2	98.2
NEW X2P531DEDCA		19.2	210	250	3000/700	1" BSPP	3/4" BSPP	132.2	54.2	102.2
NEW X2P551DEDCA		22.8	200	240	3000/700	1" BSPP	3/4" BSPP	138.2	57.2	108.2
NEW X2P571DEDCA		26.2	170	210	3000/700	1" BSPP	3/4" BSPP	142.2	59.2	112.2
NEW X2P591DEDCA		30.0	160	200	2500/700	1" BSPP	3/4" BSPP	150.2	63.2	120.2
NEW X2P611DEDCA		34.2	150	190	2500/700	1" BSPP	3/4" BSPP	157.2	66.7	127.2
NEW X2P631DEDCA		39.6	140	180	2000/700	1" BSPP	3/4" BSPP	166.2	71.2	136.2



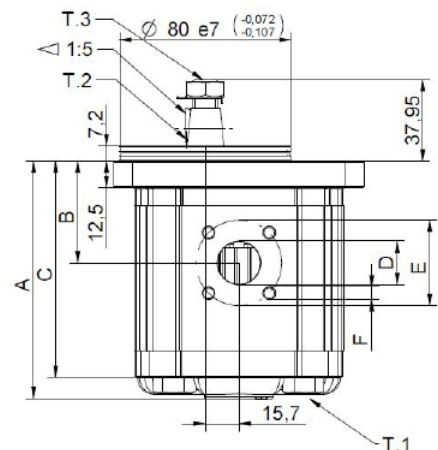
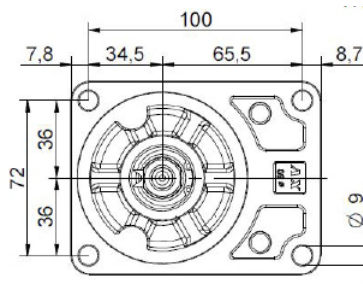
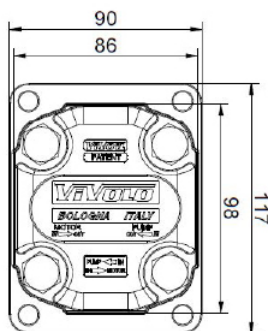
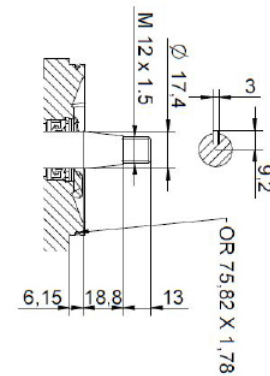
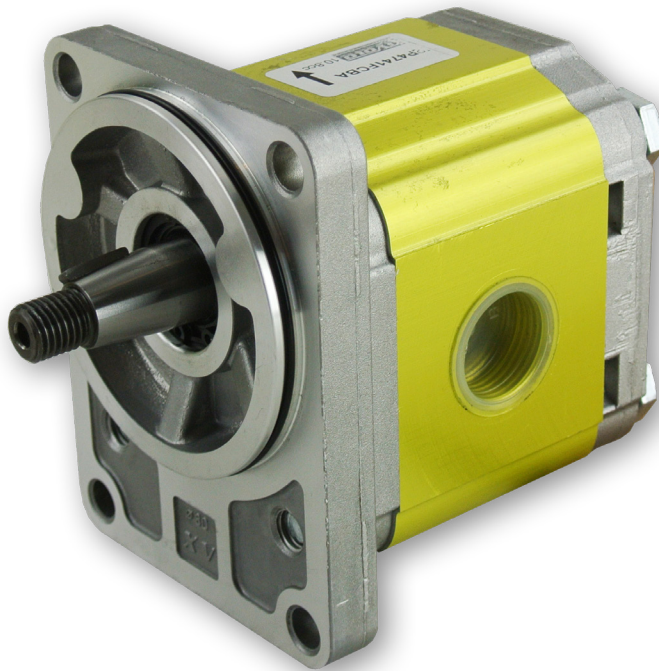
Group 2 Pump Standard German Mount, 1:5 Tapered Shaft



Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4142FBBA		4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	89.7	41.1	79.7
X2P4342FBBA		6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	92.7	41.1	82.7
X2P4542FCBA		8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	96.7	43.1	86.7
X2P4742FCBA		10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	100.7	47.5	90.7
X2P4942FCBA		14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	106.7	47.5	96.7
X2P5142FDCA		16.8	230	270	3500/700	1" BSPP	3/4" BSPP	110.7	47.5	100.7
X2P5342FDCA		19.2	210	250	3000/700	1" BSPP	3/4" BSPP	114.7	47.5	104.7
X2P5542FDCA		22.8	200	240	3000/700	1" BSPP	3/4" BSPP	120.7	55	110.7
X2P5742FDCA		26.2	170	210	3000/700	1" BSPP	3/4" BSPP	124.7	55	114.7
X2P5942FDCA		30.0	160	200	2500/700	1" BSPP	3/4" BSPP	132.7	63.2	122.7
X2P6142FDCA		34.2	150	190	2500/700	1" BSPP	3/4" BSPP	139.7	63.2	129.7
X2P6342FDCA		39.6	140	180	2500/700	1" BSPP	3/4" BSPP	148.7	63.2	138.7

CW (standard) or CCW rotation available

Priority head options on page 108



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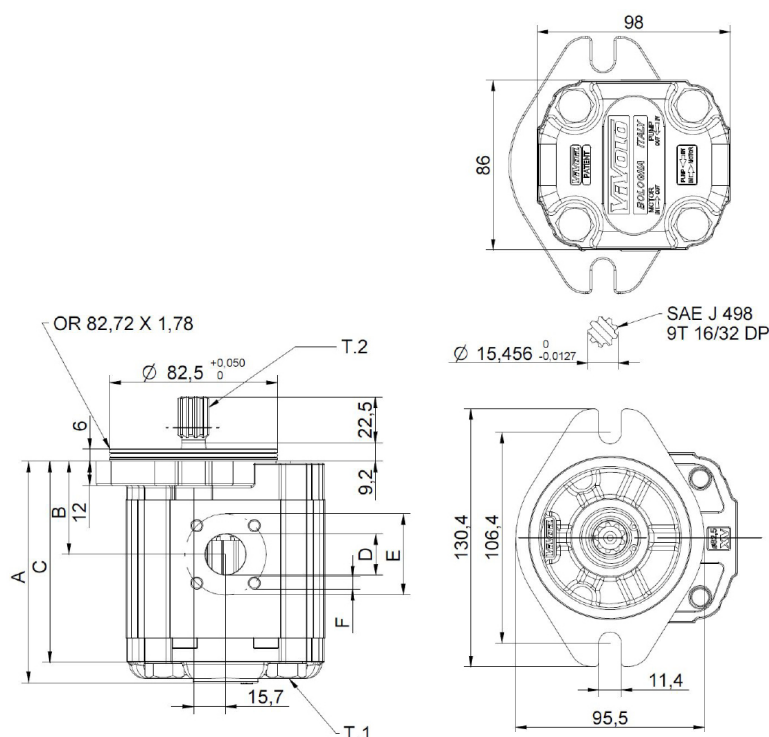
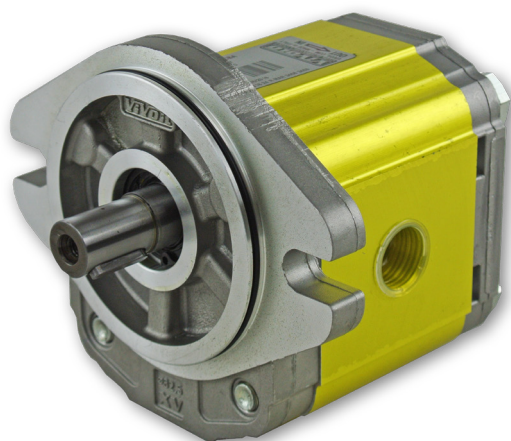
Group 2 Pump SAE A Mount, 5/8" Keyed Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4152BBBA		4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2P4352BBBA		6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2P4552BCBA		8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	95.0	41.4	85.0
X2P4752BCBA		10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	99.0	45.8	89.0
X2P4952BCBA		14.4	250	250	3500/700	3/4" BSPP	1/2" BSPP	105.0	45.8	95.0
X2P5152BDCA		16.8	214	214	3500/700	1" BSPP	3/4" BSPP	109.0	45.8	99.0
X2P5352BDCA		19.2	188	188	3000/700	1" BSPP	3/4" BSPP	113.0	45.8	103.0
X2P5552BDCA		22.8	158	158	3000/700	1" BSPP	3/4" BSPP	119.0	53.3	109.0
X2P5752BDCA		26.2	138	138	3000/700	1" BSPP	3/4" BSPP	123.0	53.3	113.0
X2P5952BDCA		30.0	120	120	2500/700	1" BSPP	3/4" BSPP	131.0	61.5	121.0
X2P6152BDCA		34.2	105	105	2500/700	1" BSPP	3/4" BSPP	138.0	61.5	128.0
X2P6352BDCA		39.6	91	91	2000/700	1" BSPP	3/4" BSPP	147.0	61.5	137.0

Group 2 Pump SAE A Mount, 5/8" 9 Tooth Splined Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4152IBBA		4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2P4352IBBA		6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2P4552ICBA		8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	95.0	41.4	85.0
X2P4752ICBA		10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	99.0	45.8	89.0
X2P4952ICBA		14.4	249	249	3500/700	3/4" BSPP	1/2" BSPP	105.0	45.8	95.0
X2P5152IDCA		16.8	213	213	3500/700	1" BSPP	3/4" BSPP	109.0	45.8	99.0
X2P5352IDCA		19.2	187	187	3000/700	1" BSPP	3/4" BSPP	113.0	45.8	103.0
X2P5552IDCA		22.8	157	157	3000/700	1" BSPP	3/4" BSPP	119.0	53.3	109.0
X2P5752IDCA		26.2	137	137	3000/700	1" BSPP	3/4" BSPP	123.0	53.3	113.0
X2P5952IDCA		30.0	119	119	2500/700	1" BSPP	3/4" BSPP	131.0	61.5	121.0
X2P6152IDCA		34.2	105	105	2500/700	1" BSPP	3/4" BSPP	138.0	61.5	128.0
X2P6352IDCA		39.6	90	90	2000/700	1" BSPP	3/4" BSPP	147.0	61.5	137.0

Priority head options
page 108



Group 2 Pump SAE A Mount, 10 Tooth Shaft (Cast Iron End Plates)



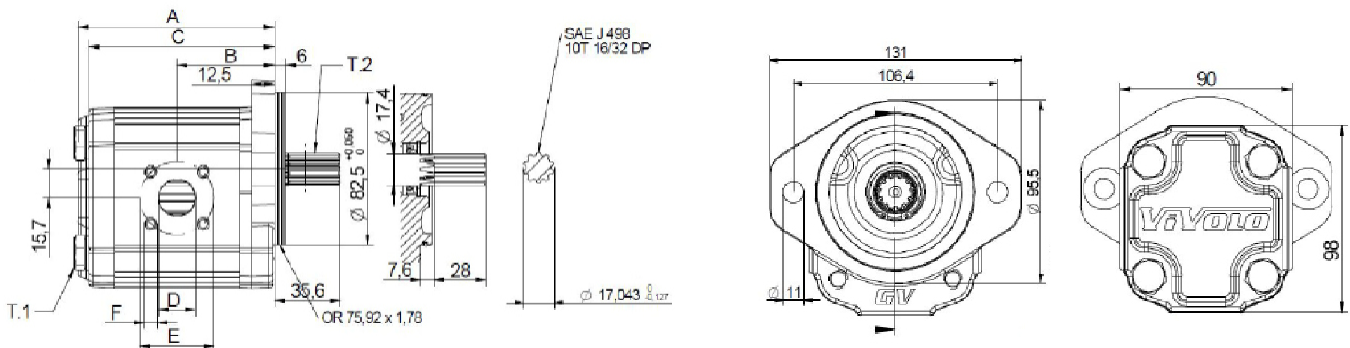
Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
G2P5152RDCA		16.8	230	270	700/3500	1" BSPP	3/4" BSPP	107.0	53	101.0
G2P5552RDCA		22.8	200	240	700/3000	1" BSPP	3/4" BSPP	117.0	58	111.0
G2P5752RDCA		26.2	170	210	700/3000	1" BSPP	3/4" BSPP	121.0	60	115.0
G2P5952RDCA		30.0	160	200	700/2500	1" BSPP	3/4" BSPP	129.0	64	123.0
G2P6152RDCA		34.2	150	190	700/2500	1" BSPP	3/4" BSPP	136.0	67.5	130.0

Group 2 Pump SAE A Mount, 11 Tooth Shaft (Cast Iron End Plates)

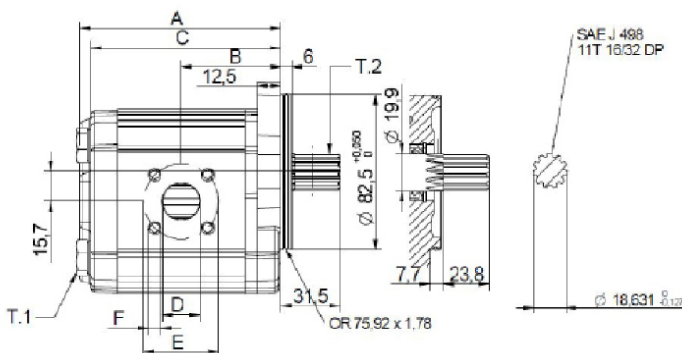


Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
G2P4152SBBA		4.2	260	300	700/3500	1/2" BSPP	1/2" BSPP	86.0	42.5	80.0
G2P4352SCBA		6.0	260	300	700/3500	3/4" BSPP	1/2" BSPP	89.0	44	83.0
G2P4552SCBA		8.4	260	300	700/3500	3/4" BSPP	1/2" BSPP	93.0	46	87.0
G2P4752SCBA		10.8	260	300	700/3500	3/4" BSPP	1/2" BSPP	97.0	48	91.0
G2P4952SCBA		14.4	250	290	700/3500	3/4" BSPP	1/2" BSPP	103.0	51	97.0
G2P5152SCBA		16.8	230	270	700/3500	3/4" BSPP	1/2" BSPP	107.0	53	101.0
G2P5352SDCA		19.2	210	250	700/3000	1" BSPP	3/4" BSPP	111.0	55	105.0
G2P5552SDCA		22.8	200	240	700/3000	1" BSPP	3/4" BSPP	117.0	58	111.0
G2P5752SDCA		26.2	170	210	700/3000	1" BSPP	3/4" BSPP	121.0	60	115.0

10 Tooth



11 Tooth



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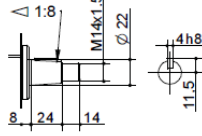
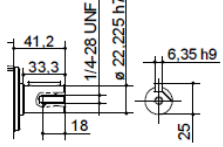
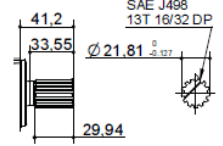
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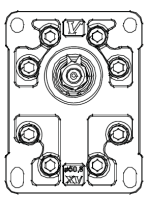
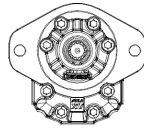
ORDER CODES FOR VIVOIL GROUP 3 PUMPS

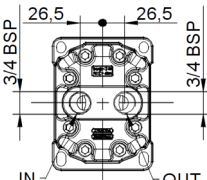
Series	Group	Pump	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	3	P	66	32	I	D	D	A

DISPLACEMENT	
14.89cc	66
17.37cc	68
21.10cc	70
26.97cc	72
32.27cc	74
38.47cc	78
43.44cc	79
47.16cc	80
50.88cc	81
54.60cc	82
60.81cc	83
64.53cc	85
70.74cc	86
74.46cc	87
86.87cc	89

SHAFT	
CO001 - Tapered T.2 = 482 [Nm]  Tapered 1:8 Ø 22mm M14x1.5 - Key 4mm	A
CI004 - Parallel T.2 = 180 [Nm]  Parallel Ø 7/8" - Key 6.35mm	H
SCF04 - Splined T.2 = 264 [Nm]  Splined 7/8" 13t	I

PORTS	INLET	OUTLET
14.9cc	D	D
17.4cc	E	D
21.1cc	E	D
27.0cc	E	D
32.3cc	E	D
38.5cc	E	D
43.4cc	F	E
47.2cc	F	E
50.9cc	F	E
54.6cc	F	E
60.8cc	F	E
64.5cc	F	E
70.7cc	F	E
74.5cc	F	F
86.9cc	F	F
D = 3/4" BSPP		
E = 1" BSPP		
F = 1.1/4" BSPP		

	FLANGE	
	LEFT ROTATION	RIGHT ROTATION
 DIN Group 3	01	02
 SAE-B	31	32

REAR COVER	
	A
	D

Please note:
Additional costs apply for non-standard options



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Group 3 Pump DIN Mount, 1:8 Tapered Shaft

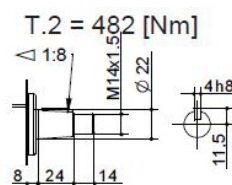
Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Working	Peak				A	B
X3P6602ADDA		14.89	300	320	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3P6802AEDA		17.37	300	320	3000/700	1" BSPP	3/4" BSPP	126.0	62.0
X3P7002AEDA		21.10	280	300	3000/700	1" BSPP	3/4" BSPP	129.0	63.5
X3P7202AEDA		26.97	250	270	3000/700	1" BSPP	3/4" BSPP	133.0	65.5
X3P7402AEDA		32.27	250	270	3000/700	1" BSPP	3/4" BSPP	138.0	68.0
X3P7802AEDA		38.47	250	270	2800/700	1" BSPP	3/4" BSPP	143.0	70.5
X3P7902AEDA		43.44	250	270	2800/700	1.1/4" BSPP	1" BSPP	147.0	72.5
X3P8002AEDA		47.16	230	250	2800/700	1.1/4" BSPP	1" BSPP	150.0	74.0
X3P8102AEDA		50.88	230	250	2800/700	1.1/4" BSPP	1" BSPP	153.0	75.5
X3P8202AEDA		54.60	230	250	2300/700	1.1/4" BSPP	1" BSPP	156.0	77.0
X3P8302AEDA		60.81	230	250	2300/700	1.1/4" BSPP	1" BSPP	161.0	79.5
X3P8502AEDA		64.53	210	230	2300/700	1.1/4" BSPP	1" BSPP	164.0	81.0
X3P8602AEDA		70.74	200	220	2300/700	1.1/4" BSPP	1" BSPP	169.0	83.5
X3P8702AEDA		74.46	180	200	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3P8902AEDA		86.87	150	170	2300/700	1.1/4" BSPP	1.1/4" BSPP	182.0	90.0

Group 3 Pump Seal Kit

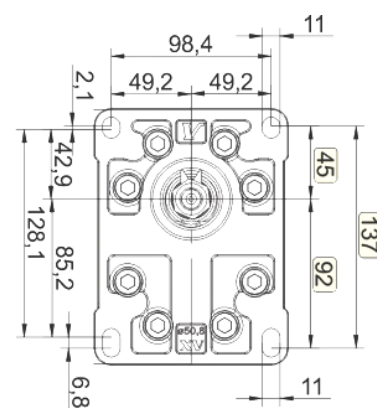
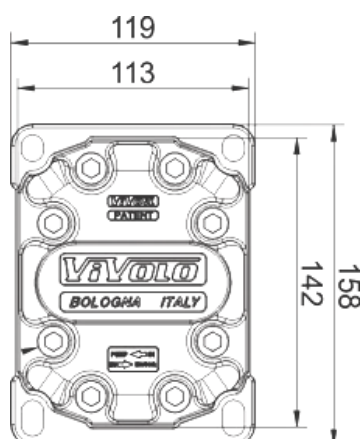
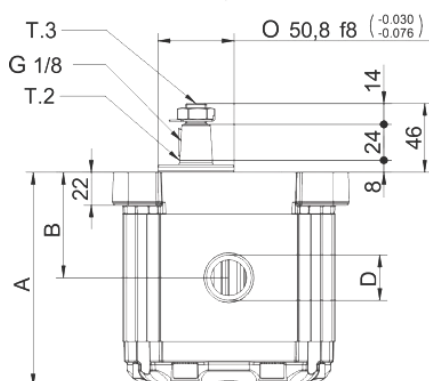
Part #	List Price \$	Material
8KGX3P1.A		NBR
8KGX3P1.V		Viton



CW (standard) or CCW rotation available



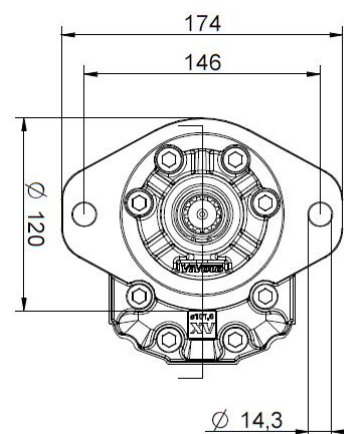
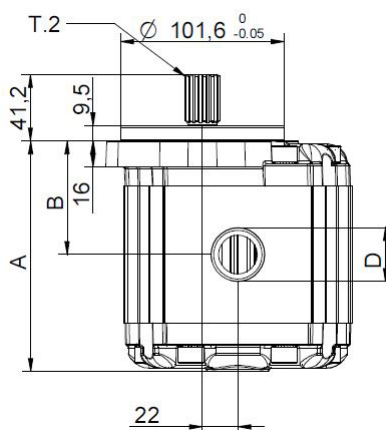
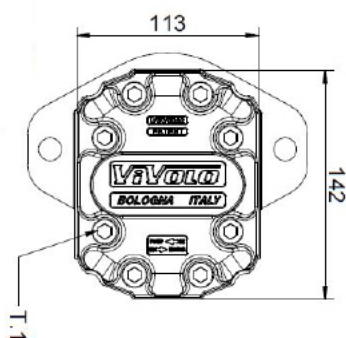
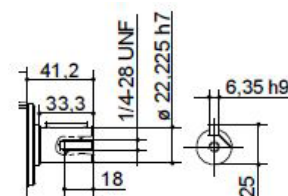
SAE A-2 bolt available keyed or spline shaft



Group 3 Pump SAE B Mount, 7/8" Keyed Shaft



Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Working	Peak				A	B
X3P7032HEDA		21.10	280	300	3000/700	1" BSPP	3/4" BSPP	129.0	63.5
X3P7232HEDA		26.97	250	270	3000/700	1" BSPP	3/4" BSPP	133.0	65.5
X3P7432HEDA		32.27	250	270	3000/700	1" BSPP	3/4" BSPP	138.0	68.0
X3P7832HEDA		38.47	250	250	2800/700	1" BSPP	3/4" BSPP	143.0	70.5
X3P7932HFEA		43.44	221	221	2800/700	1.1/4" BSPP	1" BSPP	147.0	72.5
X3P8032HFEA		47.16	204	204	2800/700	1.1/4" BSPP	1" BSPP	150.0	74.0
X3P8132HFEA		50.88	189	189	2800/700	1.1/4" BSPP	1" BSPP	153.0	75.5
X3P8232HFEA		54.60	176	176	2300/700	1.1/4" BSPP	1" BSPP	156.0	77.0
X3P8332HFEA		60.81	158	158	2300/700	1.1/4" BSPP	1" BSPP	161.0	79.5
X3P8532HFEA		64.53	149	149	2300/700	1.1/4" BSPP	1" BSPP	164.0	81.0
X3P8732HFFA		74.46	129	129	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0



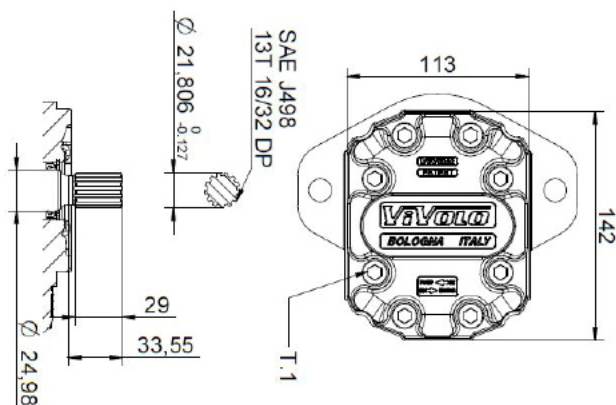
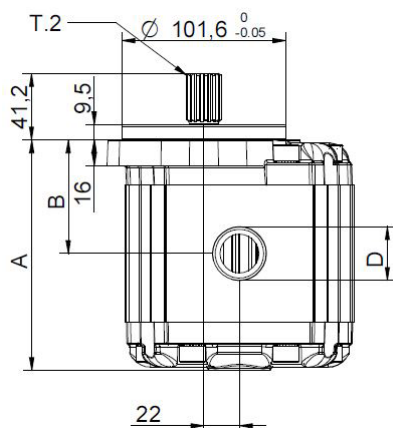
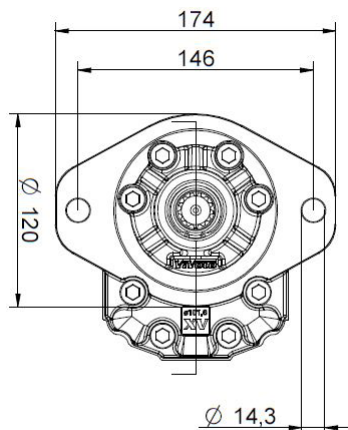
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Group 3 Pump SAE B Mount, 7/8" 13 Tooth Splined Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Working	Peak				A	B
X3P6632IDDA		14.89	300	320	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3P6832IEDA		17.37	300	320	3000/700	1" BSPP	3/4" BSPP	126.0	62.0
X3P7032IEDA		21.10	280	300	3000/700	1" BSPP	3/4" BSPP	129.0	63.5
X3P7232IEDA		26.97	250	270	3000/700	1" BSPP	3/4" BSPP	133.0	65.5
X3P7432IEDA		32.27	250	270	3000/700	1" BSPP	3/4" BSPP	138.0	68.0
X3P7832IEDA		38.47	250	270	2800/700	1" BSPP	3/4" BSPP	143.0	70.5
X3P7932IFEA		43.44	250	270	2800/700	1.1/4" BSPP	1" BSPP	147.0	72.5
X3P8032IFEA		47.16	230	250	2800/700	1.1/4" BSPP	1" BSPP	150.0	74.0
X3P8132IFEA		50.88	230	250	2800/700	1.1/4" BSPP	1" BSPP	153.0	75.5
X3P8232IFEA		54.60	230	250	2300/700	1.1/4" BSPP	1" BSPP	156.0	77.0
X3P8332IFEA		60.81	230	232	2300/700	1.1/4" BSPP	1" BSPP	161.0	79.5
X3P8532IFEA		64.53	210	218	2300/700	1.1/4" BSPP	1" BSPP	164.0	81.0
X3P8632IFEA		70.74	199	199	2300/700	1.1/4" BSPP	1" BSPP	169.0	83.5
X3P8732IFFA		74.46	180	189	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3P8932IFFA		86.87	150	162	2300/700	1.1/4" BSPP	1.1/4" BSPP	182.0	90.0



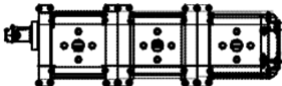
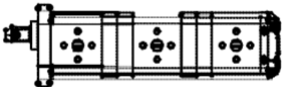
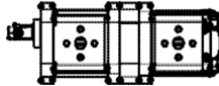
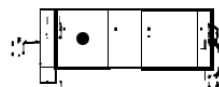
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ORDER CODES FOR VIVOIL MULTIPLE PUMPS

	Body Shape	No. of Elements	Flange/ Rotation	Shaft	Ports	Rear Cover	Displacement CCs			
9	M	2	02	E	G	A	16			

Body Shape			No. of Elements	Adaptor	List Price \$
M	Standard		2+	0P + 0P	
S	Shaped			1P + 0P	
				1P + 1P	
				2P + 1P	
				2P + 0P	
T	Separated Stages			2P + 2P	
				3P + 1P	
				3P + 0P	
A	Single Inlet			3P + 2P	
				3P + 3P	

Flange & Rotation				
DIN Flange		SAE Flange		Group
CW	CCW	CW	CCW	
02	01	n/a	n/a	Group 0
02	01	62	61	Group 1
02	01	52	51	Group 2
02	01	32	31	Group 3

Shaft		
A	Group 0	7mm Keyed
F	Group 1	DIN 1:8 Taper
E	Group 2	DIN 1:8 Taper
I		5/8" 9T Spline SAE A
B		5/8" Keyed SAE A
A	Group 3	DIN 1:8 Taper
H		7/8" Keyed SAE B
I		7/8" 13T Spline SAE B

Note: Other shafts available ex-Vivoil on request



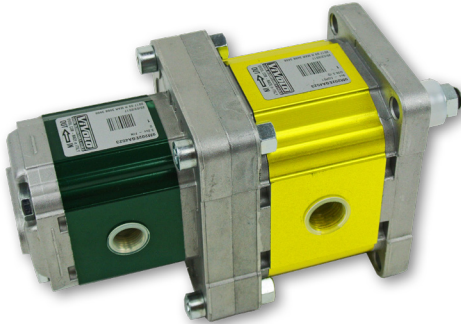
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Ports	
G	BSPP

* Others available ex-Vivoil on request



Rear Cover		List Price \$		
		Group 1	Group 2	Group 3
A	Standard blank cover	-	-	-
B	Rear suction port			
C	Rear pressure port			
D	Rear suction & pressure ports			
O	Rear relief with internal drain			-

Displacement											
Group 0			Group 1			Group 2			Group 3		
Pump (cc)		List Price \$	Pump (cc)		List Price \$	Pump (cc)		List Price \$	Pump (cc)		List Price \$
01	0.16		16	0.91		41	4.20		66	14.89	
02	0.24		17	1.17		43	6.00		68	17.37	
04	0.45		18	1.56		45	8.40		70	21.10	
05	0.56		20	2.08		47	10.80		72	26.97	
06	0.75		21	2.60		49	14.40		74	32.27	
07	0.92		23	3.12		51	16.80		78	38.47	
09	1.26		25	3.64		53	19.20		79	43.44	
11	1.48		27	4.16		55	22.80		80	47.16	
13	2.28		29	4.94		57	26.20		81	50.88	
			31	5.85		59	30.00		82	54.60	
			32	6.50		61	34.20		83	60.81	
			34	7.54		63	39.60		85	64.53	
			36	9.88					86	70.74	
									87	74.46	
									89	86.87	



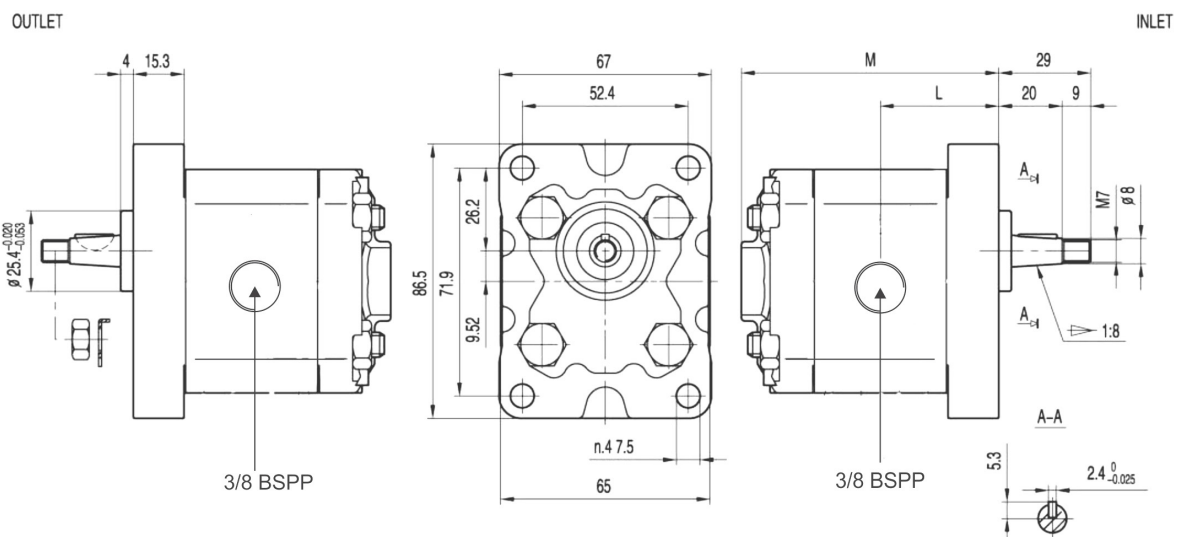
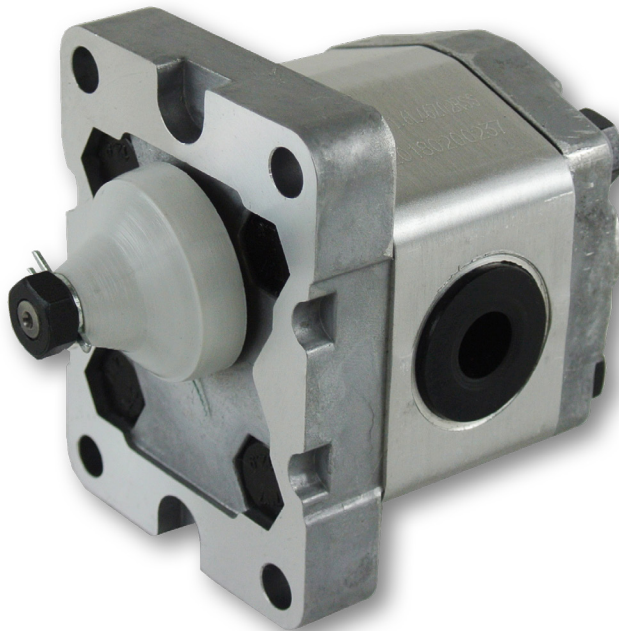
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Group 1 Pump DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S
			Rated	Maximum			
1APG-1.1-L46-Z02-R-SS		1.1	200 bar	250 bar	6000/600	3/8" BSPP	3/8" BSPP
1APG-1.6-L46-Z02-R-SS		1.6	200 bar	250 bar	6000/600	3/8" BSPP	3/8" BSPP
1APG-2.1-L46-Z02-R-SS		2.1	200 bar	250 bar	6000/600	3/8" BSPP	3/8" BSPP
1APG-2.7-L46-Z02-R-SS		2.7	200 bar	250 bar	6000/600	3/8" BSPP	3/8" BSPP
1APG-3.2-L46-Z02-R-SS		3.2	200 bar	250 bar	5000/600	3/8" BSPP	3/8" BSPP
1APG-3.7-L46-Z02-R-SS		3.7	200 bar	250 bar	4500/600	3/8" BSPP	3/8" BSPP
1APG-4.2-L46-Z02-R-SS		4.2	200 bar	250 bar	4000/600	3/8" BSPP	3/8" BSPP
1APG-4.8-L46-Z02-R-SS		4.8	160 bar	200 bar	3500/600	3/8" BSPP	3/8" BSPP
1APG-5.8-L46-Z02-R-SS		5.8	160 bar	200 bar	2900/600	3/8" BSPP	3/8" BSPP
1APG-8.0-L46-Z02-R-SS		8.0	160 bar	200 bar	2100/600	3/8" BSPP	3/8" BSPP



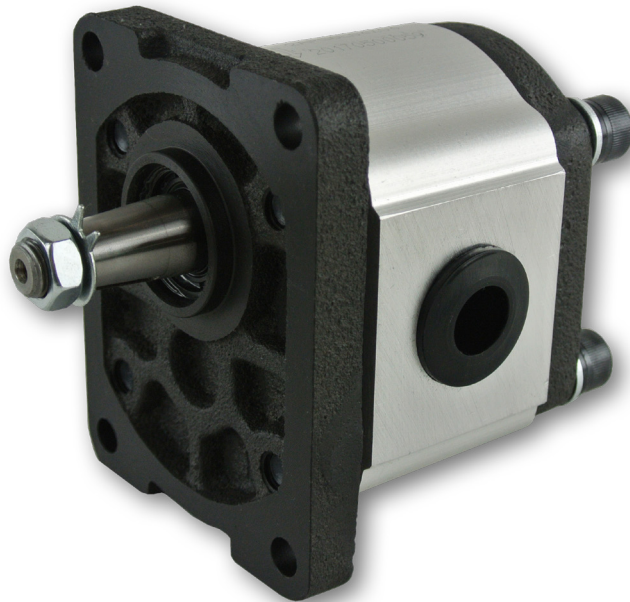
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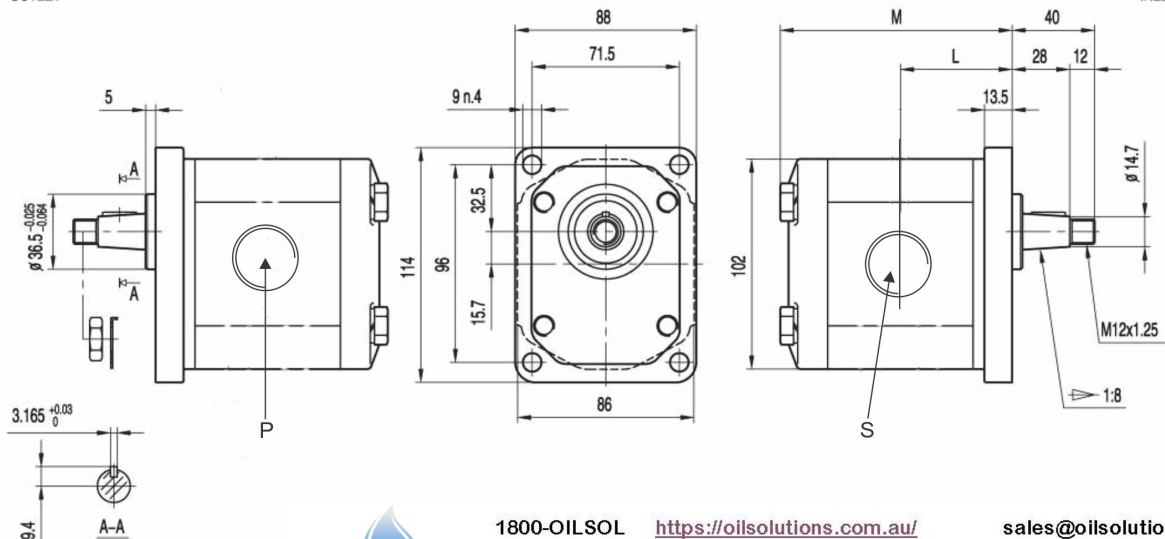
Group 2 Pump DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S	Dimension (mm)	
			Rated	Maximum				M	L
2APG-4-L04-Z03-R-SS-K		4	175 bar	200 bar	3500/500	1/2" BSPP	1/2" BSPP	93.0	44.5
2APG-6-L04-Z03-R-SS-K		6	175 bar	200 bar	3500/500	1/2" BSPP	1/2" BSPP	96.0	46.0
2APG-8-L08-Z03-R-SS-K		8	175 bar	200 bar	3500/500	1/2" BSPP	3/4" BSPP	93.3	47.7
2APG-10-L08-Z03-R-SS-K		10	175 bar	200 bar	3500/500	1/2" BSPP	3/4" BSPP	102.6	49.3
2APG-12-L08-Z03-R-SS-K		12	175 bar	200 bar	3500/500	1/2" BSPP	3/4" BSPP	105.9	51.0
2APG-14-L08-Z03-R-SS-K		14	175 bar	200 bar	3500/500	1/2" BSPP	3/4" BSPP	109.3	52.7
2APG-16-L03-Z03-R-SS-K		16	175 bar	200 bar	3500/500	1/2" BSPP	3/4" BSPP	112.7	54.0
2APG-18-L03-Z03-R-SS-K		18	175 bar	200 bar	3500/500	3/4" BSPP	1" BSPP	116.0	56.0
2APG-20-L03-Z03-R-SS-K		20	175 bar	200 bar	3500/500	3/4" BSPP	1" BSPP	119.3	57.7
2APG-23-L03-Z03-R-SS-K		23	175 bar	200 bar	3000/500	3/4" BSPP	1" BSPP	122.6	59.3
2APG-25-L03-Z03-R-SS-K		25	175 bar	200 bar	3000/500	3/4" BSPP	1" BSPP	127.6	61.8
2APG-28-L03-Z03-R-SS-K		28	160 bar	200 bar	3000/500	3/4" BSPP	1" BSPP	132.6	64.3
2APG-30-L03-Z03-R-SS-K		30	160 bar	200 bar	3000/500	3/4" BSPP	1" BSPP	135.9	66.0



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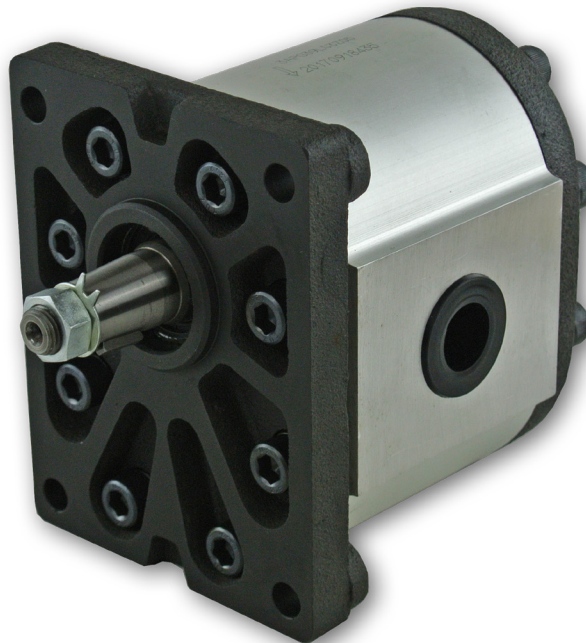
Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S
			Rated	Maximum			
2APG-4-L39-P02-R-SS-K		4	175 bar	200 bar	3500/500	7/8" UNO	1.1/16" UNO
2APG-6-L39-P02-R-SS-K		6	175 bar	200 bar	3500/500	7/8" UNO	1.1/16" UNO
2APG-8-L42-P02-R-SS-K		8	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-10-L42-P02-R-SS-K		10	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-12-L42-P02-R-SS-K		12	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-14-L42-P02-R-SS-K		14	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-16-L42-P02-R-SS-K		16	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-18-L42-P02-R-SS-K		18	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-20-L42-P02-R-SS-K		20	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-23-L42-P02-R-SS-K		23	175 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO
2APG-25-L42-P02-R-SS-K		25	175 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO
2APG-28-L42-P02-R-SS-K		28	160 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO
2APG-30-L42-P02-R-SS-K		30	160 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO

Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S
			Rated	Maximum			
2APG-6-L39-S03-R-SS-K		6	175 bar	200 bar	3500/500	7/8" UNO	1.1/16" UNO
2APG-8-L42-S03-R-SS-K		8	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-10-L42-S03-R-SS-K		10	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-12-L42-S03-R-SS-K		12	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-14-L42-S03-R-SS-K		14	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-16-L42-S03-R-SS-K		16	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-18-L42-S03-R-SS-K		18	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-20-L42-S03-R-SS-K		20	175 bar	200 bar	3500/500	1.1/16" UNO	1.5/16" UNO
2APG-23-L42-S03-R-SS-K		23	175 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO
2APG-25-L42-S03-R-SS-K		25	175 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO
2APG-28-L42-S03-R-SS-K		28	160 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO
2APG-30-L42-S03-R-SS-K		30	160 bar	200 bar	3000/500	1.1/16" UNO	1.5/16" UNO



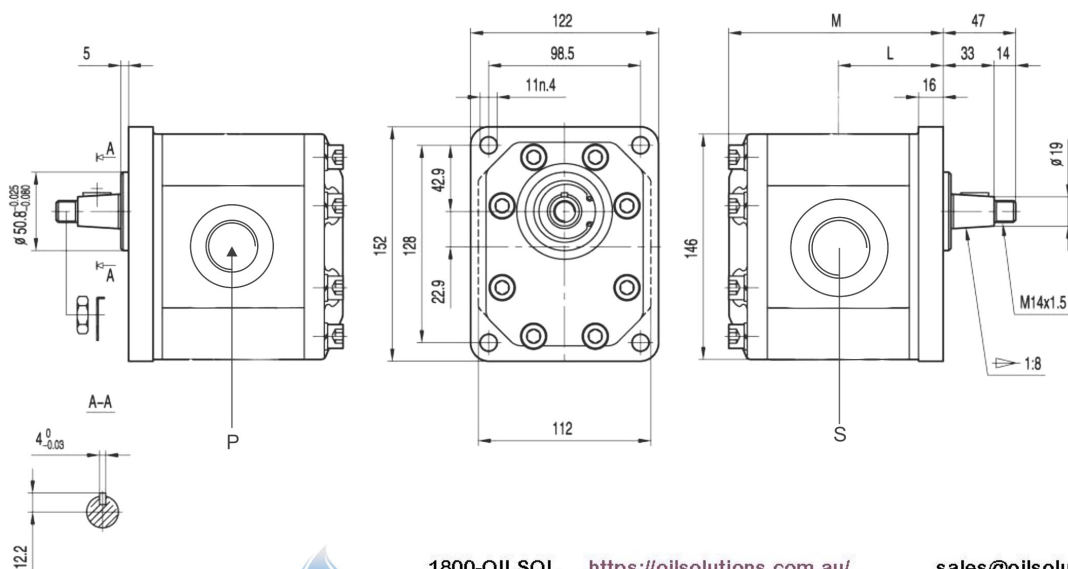
Group 3 Pump DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S	Dimension (mm)	
			Rated	Maximum				M	L
3APG-22-L69-Z05-R-SS-K		22	175 bar	200 bar	3000/400	3/4" BSPP	3/4" BSPP	128.5	65.5
3APG-26-L03-Z05-R-SS-K		26	175 bar	200 bar	3000/400	3/4" BSPP	1" BSPP	131.5	67.0
3APG-34-L03-Z05-R-SS-K		34	175 bar	200 bar	3000/400	3/4" BSPP	1" BSPP	137.0	69.8
3APG-39-L03-Z05-R-SS-K		39	175 bar	200 bar	3000/400	3/4" BSPP	1" BSPP	141.0	71.8
3APG-43-L11-Z05-R-SS-K		43	175 bar	200 bar	2800/400	1" BSPP	1.1/4" BSPP	143.5	73.0
3APG-51-L11-Z05-R-SS-K		51	175 bar	200 bar	2800/400	1" BSPP	1.1/4" BSPP	149.5	76.0
3APG-60-L11-Z05-R-SS-K		60	175 bar	200 bar	2800/400	1" BSPP	1.1/4" BSPP	156.0	79.3
3APG-70-L60-Z05-R-SS-K		70	175 bar	200 bar	2500/400	1.1/4" BSPP	1.1/2" BSPP	163.0	82.8
3APG-78-L60-Z05-R-SS-K		78	160 bar	200 bar	2300/400	1.1/4" BSPP	1.1/2" BSPP	171.0	85.0
3APG-89-L60-Z05-R-SS-K		89	140 bar	180 bar	2000/400	1.1/4" BSPP	1.1/2" BSPP	176.0	88.0



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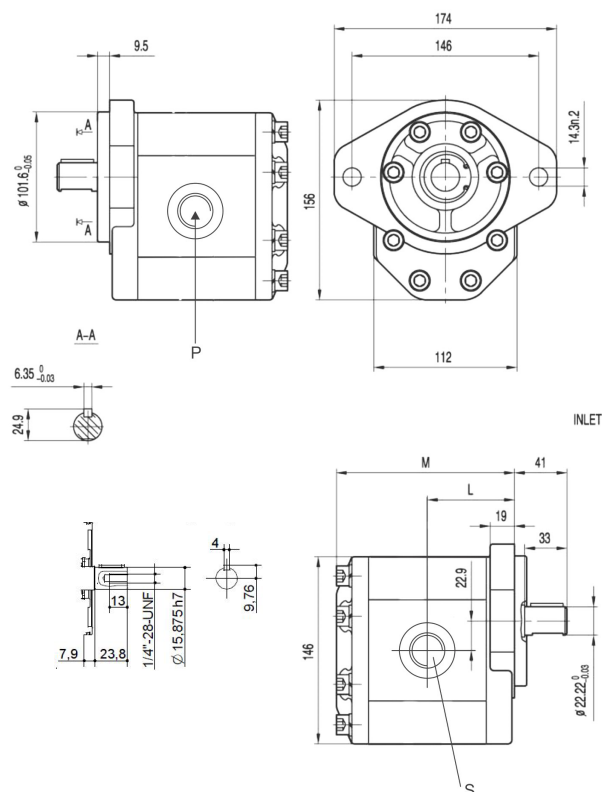
Group 3 Pump SAE B Mount, 7/8" Keyed Shaft

Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S
			Rated	Maximum			
3APG-22-L42-P16-R-SS-K		22	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-26-L42-P16-R-SS-K		26	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-34-L42-P16-R-SS-K		34	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-39-L42-P16-R-SS-K		39	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-43-L51-P16-R-SS-K		43	175 bar	200 bar	2800/400	1.1/16" UNO	1.5/8" UNO
3APG-51-L51-P16-R-SS-K		51	175 bar	200 bar	2800/400	1.1/16" UNO	1.5/8" UNO
3APG-60-L53-P16-R-SS-K		60	175 bar	200 bar	2800/400	1.5/16" UNO	1.5/8" UNO
3APG-70-L53-P16-R-SS-K		70	175 bar	200 bar	2500/400	1.5/16" UNO	1.5/8" UNO
3APG-78-L53-P16-R-SS-K		78	160 bar	200 bar	2300/400	1.5/16" UNO	1.5/8" UNO
3APG-89-L53-P16-R-SS-K		89	140 bar	180 bar	2000/400	1.5/16" UNO	1.5/8" UNO

Group 3 Pump SAE B Mount, 7/8" 13 Tooth Spline Shaft

Part #	List Price \$	CC	Pressure		Max/Min Speed (RPM)	Port P	Port S
			Rated	Maximum			
3APG-22-L42-S05-R-SS-K		22	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-26-L42-S05-R-SS-K		26	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-34-L42-S05-R-SS-K		34	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-39-L42-S05-R-SS-K		39	175 bar	200 bar	3000/400	1.1/16" UNO	1.5/16" UNO
3APG-43-L51-S05-R-SS-K		43	175 bar	200 bar	2800/400	1.1/16" UNO	1.5/8" UNO
3APG-51-L51-S05-R-SS-K		51	175 bar	200 bar	2800/400	1.1/16" UNO	1.5/8" UNO
3APG-60-L53-S05-R-SS-K		60	175 bar	200 bar	2800/400	1.5/16" UNO	1.5/8" UNO
3APG-70-L53-S05-R-SS-K		70	175 bar	200 bar	2500/400	1.5/16" UNO	1.5/8" UNO
3APG-78-L53-S05-R-SS-K		78	160 bar	200 bar	2300/400	1.5/16" UNO	1.5/8" UNO
3APG-89-L53-S05-R-SS-K		89	140 bar	180 bar	2000/400	1.5/16" UNO	1.5/8" UNO

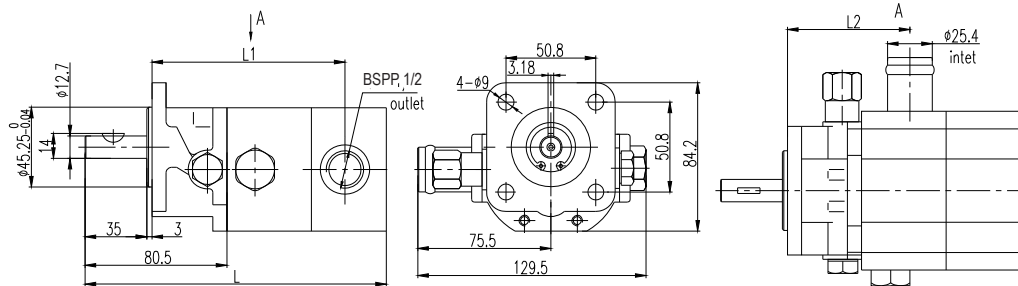
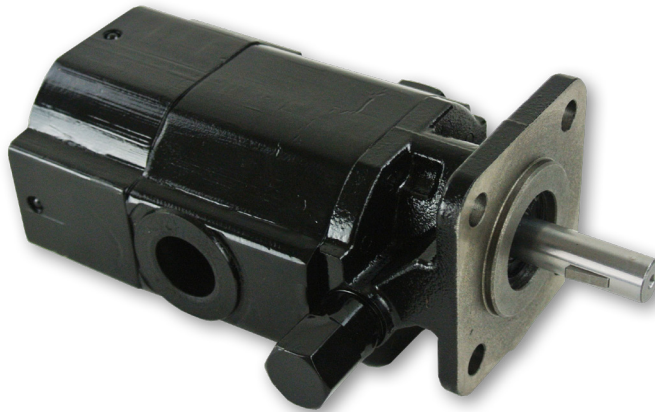
OUTLET



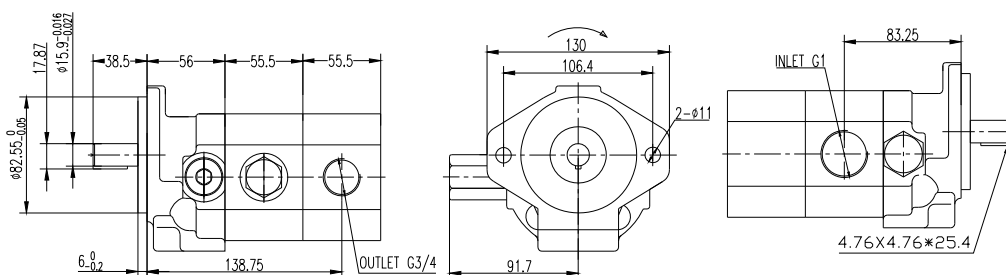
Log Splitter Pumps

Part #	List Price \$	CC Hi-Flow	CC Lo-Flow	Unload Pressure Range	Maximum Pressure	Inlet Port	Outlet Port
CBT8.8/2.1-L08-C		8.8	2.1	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT8.8/3.0-L08-C		8.8	3.0	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT13.0/2.1-L08-C		13.0	2.1	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT13.0/3.0-L08-C		13.0	3.0	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT13.0/4.2-L08-C		13.0	4.2	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT15.2/7.6-L03-C		15.2	7.6	30-60 bar	200 bar	1" BSPP	3/4" BSPP
CBT22.9/7.6-L03-C		22.9	7.6	30-60 bar	200 bar	1" BSPP	3/4" BSPP

CBT8.8
CBT13.0



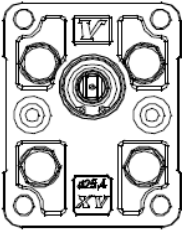
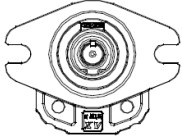
CBT15.2
CBT22.9



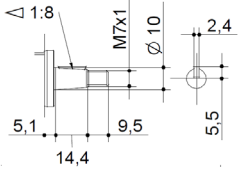
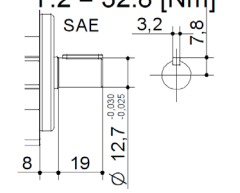
ORDER CODES FOR VIVOIL GROUP 1 MOTORS

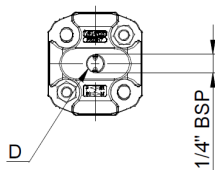
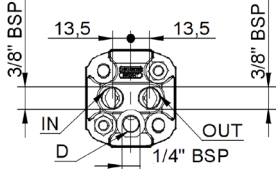
Series	Group	Motor	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	1	M	27	01	F	B	B	E

DISPLACEMENT	
0.91cc	16
1.17cc	17
1.56cc	18
2.08cc	20
2.60cc	21
3.12cc	23
3.64cc	25
4.16cc	27
4.94cc	29
5.85cc	31
6.50cc	32
7.54cc	34
9.88cc	36

FLANGE	
 DIN Group 1	01
 SAE-AA	02

PORTS	INLET	OUTLET
0.9cc	B	B
1.2cc	B	B
1.7cc	B	B
2.2cc	B	B
2.6cc	B	B
3.2cc	B	B
3.6cc	B	B
4.3cc	B	B
4.9cc	B	B
5.9cc	B	B
6.5cc	B	B
7.8cc	B	B
9.8cc	B	B
B = 3/8" BSPP		

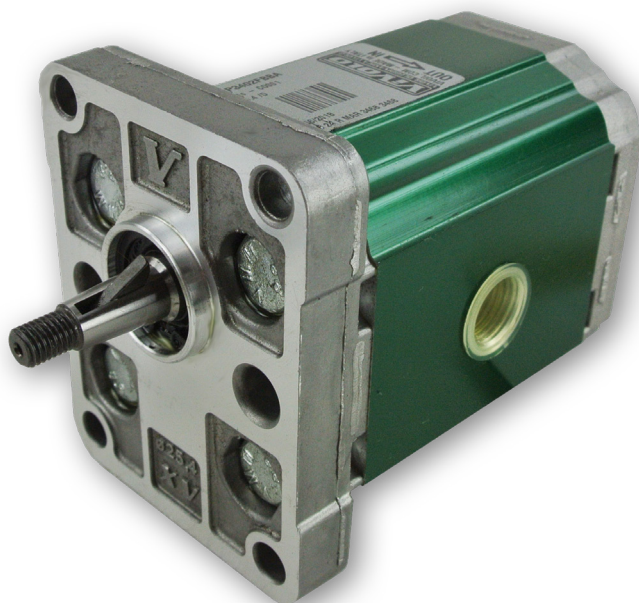
SHAFT	
CO001 - Tapered T.2 = 43 [Nm]  Tapered 1:8 Ø 10mm - M7x1 Key 2.4mm	F
CI002 - Parallel T.2 = 32.8 [Nm]  Parallel Ø 1/2" - Key 3.2mm	B

REAR COVER	
 EXTERNAL DRAIN	E
 INTERNAL DRAIN	F
 REAR PORTED EXTERNAL DRAIN	K

Please note:
Additional costs apply for non-standard options

Group 1 Motor DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Inlet	Drain					A	B	C
X1M1601FBBE		0.91	240	6	30	6000/700	3/8" BSPP	3/8" BSPP	78.1	37.3	66.1
X1M1701FBBE		1.17	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	79.0	37.8	67.0
X1M1801FBBE		1.56	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	80.5	38.5	68.5
X1M2001FBBE		2.08	250	6	25	6000/700	3/8" BSPP	3/8" BSPP	82.5	39.5	70.5
X1M2101FBBE		2.60	250	6	20	6000/700	3/8" BSPP	3/8" BSPP	84.5	40.5	72.5
X1M2301FBBE		3.12	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	86.5	41.5	74.5
X1M2501FBBE		3.64	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	88.5	42.5	76.5
X1M2701FBBE		4.16	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	90.5	43.5	78.5
X1M2901FBBE		4.94	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	93.5	45.0	81.5
X1M3101FBBE		5.85	250	6	15	5000/700	3/8" BSPP	3/8" BSPP	97.0	46.8	85.0
X1M3201FBBE		6.50	250	6	10	5000/700	3/8" BSPP	3/8" BSPP	98.5	48.0	86.5
X1M3401FBBE		7.54	220	6	10	5000/700	3/8" BSPP	3/8" BSPP	103.5	50.0	91.5
X1M3601FBBE		9.88	190	6	10	4000/700	3/8" BSPP	3/8" BSPP	112.5	54.5	100.5



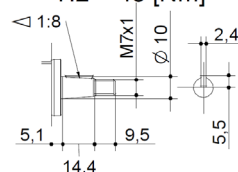
Group 1 Motor Seal Kit

Part #	List Price \$	Material
8KGX1M1.A		NBR
8KGX1M1.V		Viton

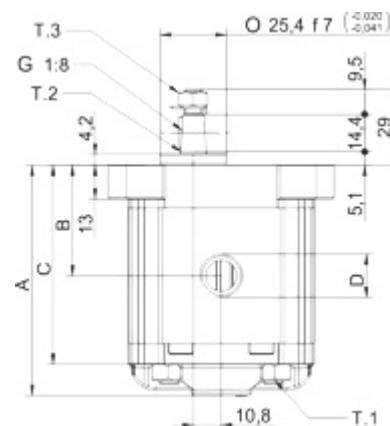
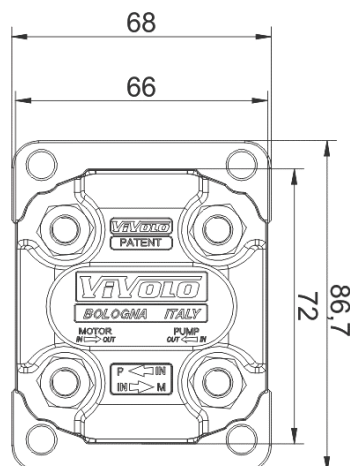
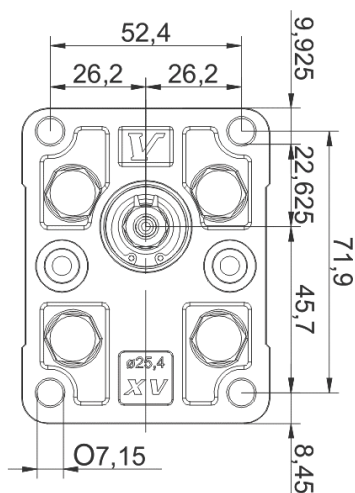
Rear port with drain available

CO001 - Tapered

T.2 = 43 [Nm]

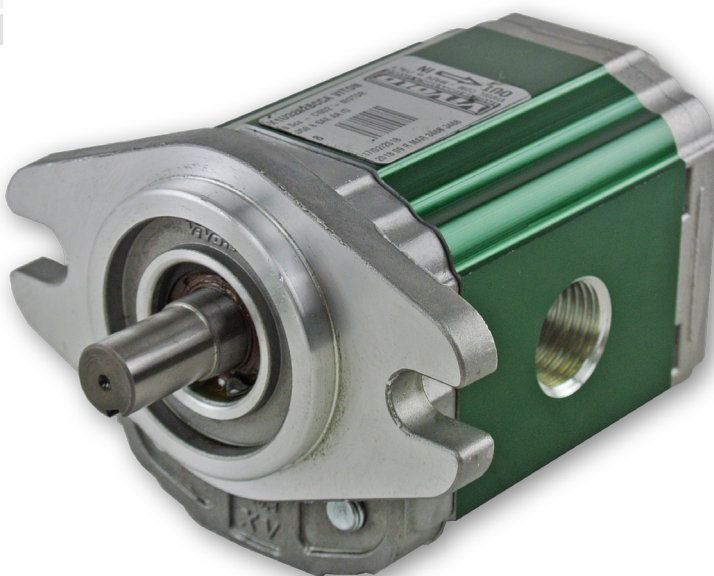
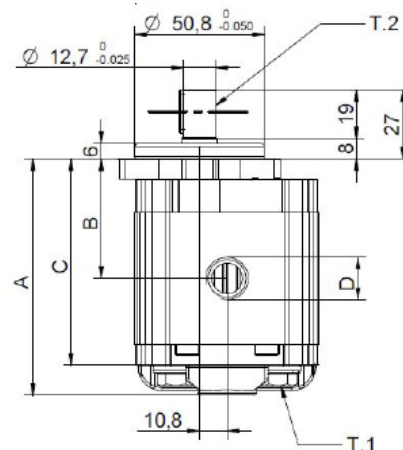
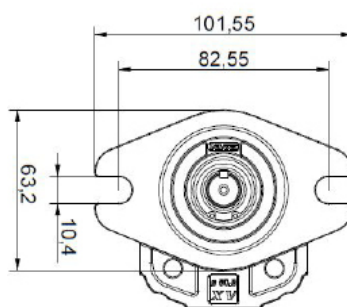
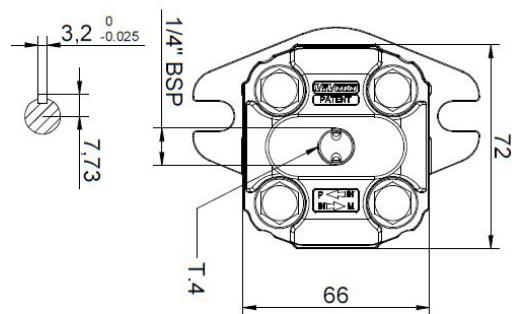
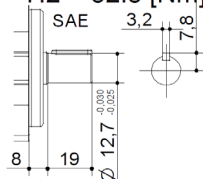


SAE A-2 bolt available keyed or spline shaft



Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Inlet	Drain					A	B	C
X1M1661BBBE		0.91	240	6	30	6000/700	3/8" BSPP	3/8" BSPP	82.6	41.8	70.6
X1M1761BBBE		1.17	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	83.5	42.3	71.5
X1M1861BBBE		1.56	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	85.0	43.0	73.0
X1M2061BBBE		2.08	250	6	25	6000/700	3/8" BSPP	3/8" BSPP	87.0	44.0	75.0
X1M2161BBBE		2.60	250	6	20	6000/700	3/8" BSPP	3/8" BSPP	89.0	45.0	77.0
X1M2361BBBE		3.12	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	91.0	46.5	79.0
X1M2561BBBE		3.64	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	93.0	47.0	81.0
X1M2761BBBE		4.16	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	95.0	48.0	83.0
X1M2961BBBE		4.94	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	98.0	49.5	86.0
X1M3161BBBE		5.85	250	6	15	5000/700	3/8" BSPP	3/8" BSPP	101.5	51.3	89.5
X1M3261BBBE		6.50	250	6	10	5000/700	3/8" BSPP	3/8" BSPP	105.0	52.5	93.0
X1M3461BBBE		7.54	220	6	10	5000/700	3/8" BSPP	3/8" BSPP	108.0	54.5	96.0
X1M3661BBBE		9.88	177	6	10	4000/700	3/8" BSPP	3/8" BSPP	117.0	59.0	105.0

Part #	List Price \$	Material
8KGX1M1.A		NBR
8KGX1M1.V		Viton


$$T_2 = 32.8 \text{ [Nm]}$$


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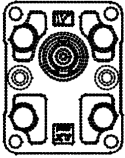
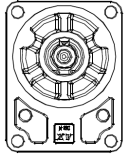
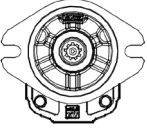
ORDER CODES FOR VIVOIL GROUP 2 MOTORS

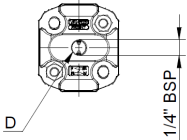
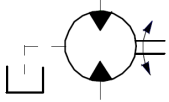
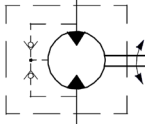
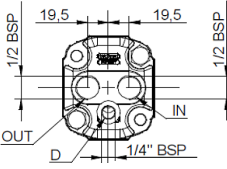
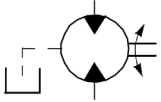
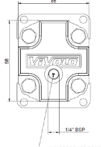
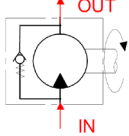
Series	Group	Motor	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	2	M	51	32	A	C	C	F

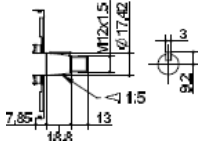
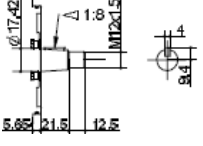
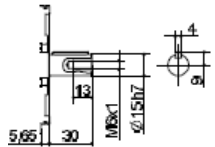
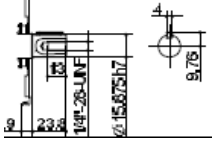
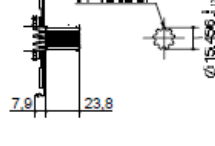
DISPLACEMENT	
4.2cc	41
6.0cc	43
8.4cc	45
10.8cc	47
14.4cc	49
16.8cc	51
19.2cc	53
22.8cc	55
26.2cc	57
30.0cc	59
34.2cc	61
39.6cc	63

PORTS	INLET	OUTLET
4.2cc	B	B
6.0cc	B	B
8.4cc	B	B
10.8cc	B	B
14.4cc	C	C
16.8cc	C	C
19.2cc	C	C
22.8cc	C	C
26.2cc	D	D
30.0cc	D	D
34.2cc	D	D
39.6cc	D	D
B = 1/2" BSPP		
C = 3/4" BSPP		
D = 1" BSPP		

Please note:
Additional costs apply for
non-standard options

FLANGE	
 DIN Group 2	 Ø80 German Standardized
 SAE-A	 Ø50 HY German Standardized
 DIN Group 2 Bearing Carrier 1: Taper	

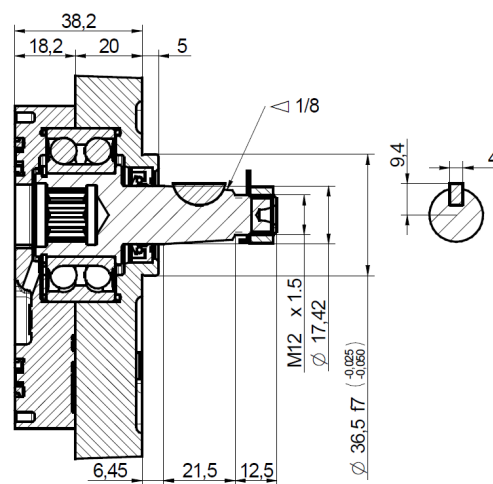
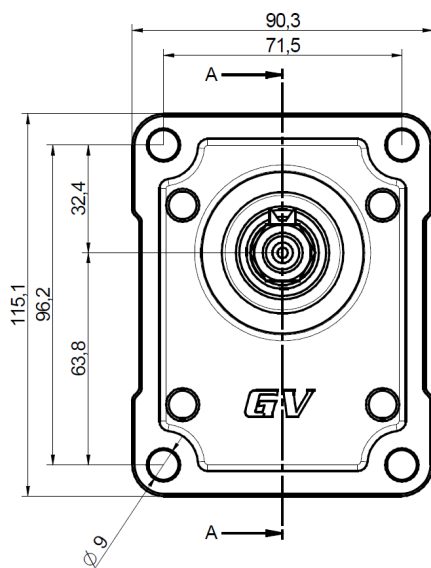
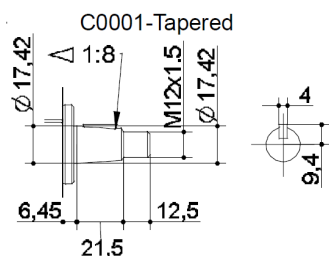
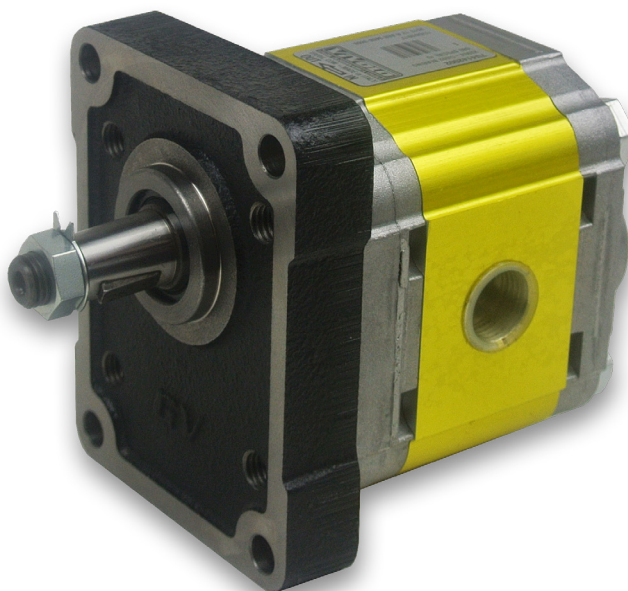
REAR COVER	
 1/4" BSP D	 EXTERNAL DRAIN
 1/4" BSP	 INTERNAL DRAIN
 1/2 BSP 19.5 19.5 1/4" BSP OUT IN D	 REAR PORTED EXTERNAL DRAIN
 1/4" BSP MAX PRESSURE DRAIN 7 BAR	 OUT IN

SHAFT	
C0002-Tapered T.2 = 233,2 Nm  Tapered 1:5 Ø 17.4mm M12x1.5, Key 3mm GERMAN MOUNT ONLY	F
C0001-Tapered T.2 = 233,2 Nm  Tapered 1:8 Ø 17.2mm M12x1.5, Key 4mm	E
CI001-Parallel T.2 = 44,1 Nm  Parallel Ø 15mm - Key 4mm	A
CI002-Parallel T.2 = 67,5 Nm  Parallel Ø 5/8" - Key 4mm	B
SCF04-Splined T.2 = 104,6 Nm  Splined 9T 16/32 DP	I

Group 2 Motor DIN Mount With Bearing Carrier, 1:8 Tapered Shaft



Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Inlet	Drain					A	B	C
NEW X2M411REBBE		4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	107.2	41.7	77.2
NEW X2M431REBBE		6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	110.2	43.2	80.2
NEW X2M451REBBE		8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	104.2	45.2	84.2
NEW X2M471REBBE		10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	118.2	47.2	88.2
NEW X2M491RECCE		14.4	290	6	15	3500/700	3/4" BSPP	3/4" BSPP	124.2	50.2	94.2
NEW X2M511RECCE		16.8	270	6	15	3500/700	3/4" BSPP	3/4" BSPP	128.2	52.2	98.2
NEW X2M531RECCE		19.2	250	6	15	3000/700	3/4" BSPP	3/4" BSPP	132.2	54.2	102.2
NEW X2M551RECCE		22.8	240	6	15	3000/700	3/4" BSPP	3/4" BSPP	138.2	57.2	108.2
NEW X2M571REDDE		26.2	210	6	15	3000/700	1" BSPP	1" BSPP	142.2	59.2	112.2
NEW X2M591REDDE		30.0	200	6	15	2500/700	1" BSPP	1" BSPP	150.2	63.2	120.2
NEW X2M611REDDE		34.2	190	6	15	2500/700	1" BSPP	1" BSPP	157.2	66.7	127.2
NEW X2M631REDDE		39.6	180	6	15	2000/700	1" BSPP	1" BSPP	166.2	71.2	136.2



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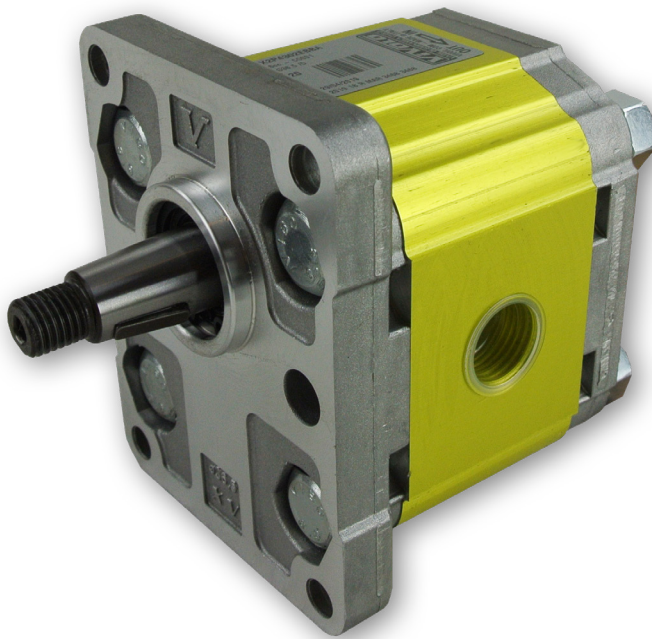
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Group 2 Motor DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M4101EBBE		4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	87.2	41.7	77.2
X2M4301EBBE		6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	90.2	43.2	80.2
X2M4501EBBE		8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	94.2	45.2	84.2
X2M4701EBBE		10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	98.2	47.2	88.2
X2M4901ECCE		14.4	290	6	15	3500/700	3/4" BSPP	3/4" BSPP	104.2	50.2	94.2
X2M5101ECCE		16.8	270	6	15	3500/700	3/4" BSPP	3/4" BSPP	108.2	52.2	98.2
X2M5301ECCE		19.2	250	6	15	3000/700	3/4" BSPP	3/4" BSPP	112.2	54.2	102.2
X2M5501ECCE		22.8	240	6	15	3000/700	3/4" BSPP	3/4" BSPP	118.2	57.2	108.2
X2M5701EDDE		26.2	210	6	15	3000/700	1" BSPP	1" BSPP	122.2	59.2	112.2
X2M5901EDDE		30.0	200	6	15	2500/700	1" BSPP	1" BSPP	130.2	63.2	120.2
X2M6101EDDE		34.2	190	6	15	2500/700	1" BSPP	1" BSPP	137.2	66.7	127.2
X2M6301EDDE		39.6	180	6	15	2000/700	1" BSPP	1" BSPP	146.2	71.2	136.2

Group 2 Motor Seal Kit

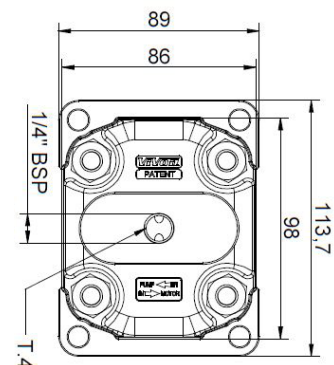
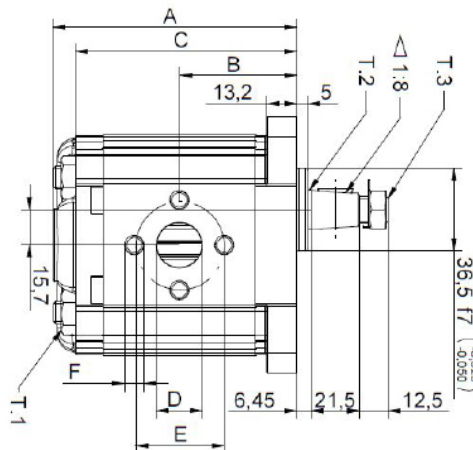
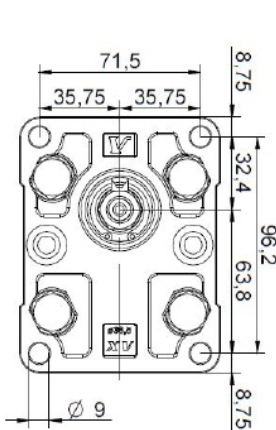
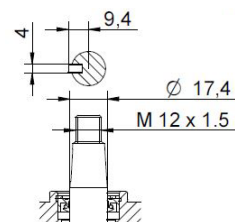
Part #	List Price \$	Material
8KGX2M1.A		NBR
8KGX2M1.V		Viton



Anti-cavitation check valve available

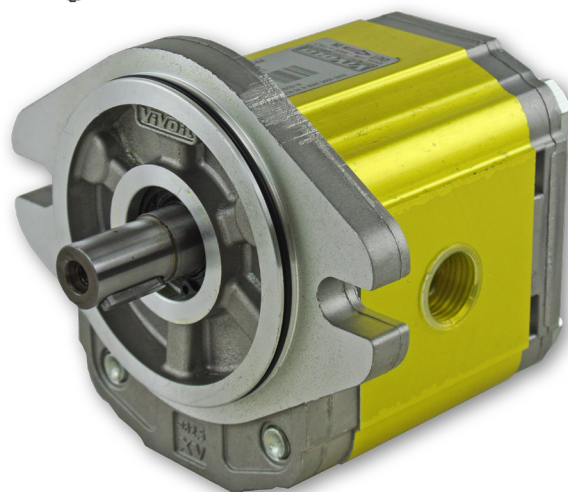
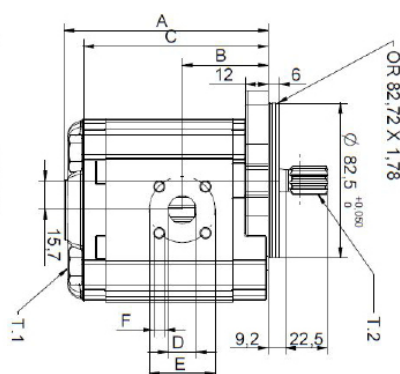
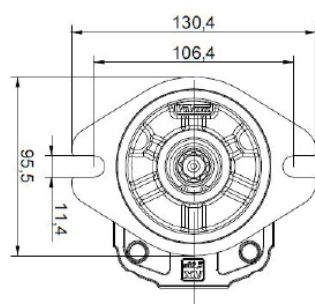
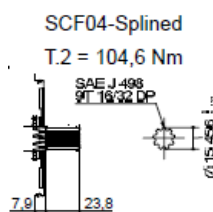
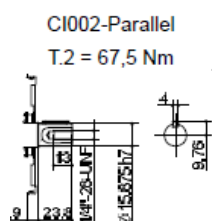
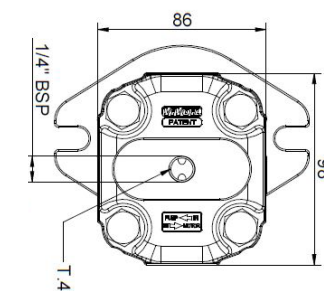
Rear port with drain available

SAE A-2 bolt available keyed or spline shaft



Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M4131BBBE		4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2M4331BBBE		6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2M4531BBBE		8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	95.0	41.4	85.0
X2M4731BBBE		10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	99.0	45.8	89.0
X2M4931BCCE		14.4	250	6	15	3500/700	3/4" BSPP	3/4" BSPP	105.0	45.8	95.0
X2M5131BCCE		16.8	214	6	15	3500/700	3/4" BSPP	3/4" BSPP	109.0	45.8	99.0
X2M5331BCCE		19.2	188	6	15	3000/700	3/4" BSPP	3/4" BSPP	113.0	45.8	103.0
X2M5531BCCE		22.8	158	6	15	3000/700	3/4" BSPP	3/4" BSPP	119.0	53.3	109.0
X2M5731BDDE		26.2	138	6	15	3000/700	1" BSPP	1" BSPP	123.0	53.3	113.0
X2M5931BDDE		30.0	120	6	15	2500/700	1" BSPP	1" BSPP	131.0	61.5	121.0
X2M6131BDDE		34.2	105	6	15	2500/700	1" BSPP	1" BSPP	138.0	61.5	128.0
X2M6331BDDE		39.6	91	6	15	2000/700	1" BSPP	1" BSPP	147.0	61.5	137.0

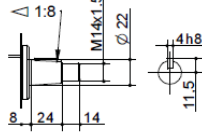
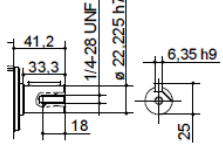
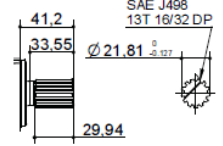
Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M4131IBBE		4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2M4331IBBE		6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2M4531IBBE		8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	95.0	41.4	85.0
X2M4731IBBE		10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	99.0	45.8	89.0
X2M4931ICCE		14.4	249	6	15	3500/700	3/4" BSPP	3/4" BSPP	105.0	45.8	95.0
X2M5131ICCE		16.8	213	6	15	3500/700	3/4" BSPP	3/4" BSPP	109.0	45.8	99.0
X2M5331ICCE		19.2	187	6	15	3000/700	3/4" BSPP	3/4" BSPP	113.0	45.8	103.0
X2M5531ICCE		22.8	157	6	15	3000/700	3/4" BSPP	3/4" BSPP	119.0	53.3	109.0
X2M5731IDDE		26.2	137	6	15	3000/700	1" BSPP	1" BSPP	123.0	53.3	113.0
X2M5931IDDE		30.0	119	6	15	2500/700	1" BSPP	1" BSPP	131.0	61.5	121.0
X2M6131IDDE		34.2	105	6	15	2500/700	1" BSPP	1" BSPP	138.0	61.5	128.0
X2M6331IDDE		39.6	90	6	15	2000/700	1" BSPP	1" BSPP	147.0	61.5	137.0



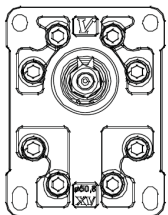
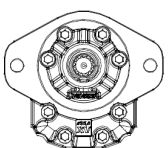
ORDER CODES FOR VIVOIL GROUP 3 MOTORS

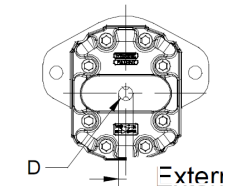
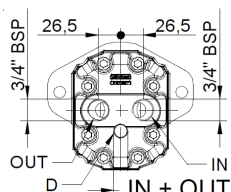
Series	Group	Motor	Displacement	Flange	Shaft	Inlet Port	Outlet Port	Rear Cover
X	3	M	66	32	I	D	D	E

DISPLACEMENT	
14.89cc	66
17.37cc	68
21.10cc	70
26.97cc	72
32.27cc	74
38.47cc	78
43.44cc	79
47.16cc	80
50.88cc	81
54.60cc	82
60.81cc	83
64.53cc	85
70.74cc	86
74.46cc	87
86.87cc	89

SHAFT	
CO001 - Tapered T.2 = 482 [Nm]  Tapered 1:8 Ø 22mm M14x1.5 - Key 4mm	A
CI004 - Parallel T.2 = 180 [Nm]  Parallel Ø 7/8" - Key 6.35mm	H
SCF04 - Splined T.2 = 264 [Nm]  Splined 7/8" 13t	I

PORTS	INLET	OUTLET
14.9cc	D	D
17.4cc	D	D
21.1cc	D	D
27.0cc	E	E
32.3cc	E	E
38.5cc	E	E
43.4cc	E	E
47.2cc	E	E
50.9cc	E	E
54.6cc	E	E
60.8cc	E	E
64.5cc	E	E
70.7cc	F	F
74.5cc	F	F
86.9cc	F	F
D = 3/4" BSPP		
E = 1" BSPP		
F = 1.1/4" BSPP		

FLANGE	
 DIN Group 3	01
 SAE-B	31

REAR COVER	
 EXTERNAL DRAIN REAR PORTED	E
 EXTERNAL DRAIN	K

Please note:
Additional costs apply for non-standard options

Group 3 Motor DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Inlet	Drain					A	B
X3M6601ADDE		14.89	320	6	20	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3M6801ADDE		17.37	320	6	20	3000/700	3/4" BSPP	3/4" BSPP	126.0	62.0
X3M7001ADDE		21.10	300	6	15	3000/700	3/4" BSPP	3/4" BSPP	129.0	63.5
X3M7201AEEE		26.97	270	6	10	3000/700	3/4" BSPP	3/4" BSPP	133.0	65.5
X3M7401AEEE		32.27	270	6	10	3000/700	1" BSPP	1" BSPP	138.0	68.0
X3M7801AEEE		38.47	270	6	10	2800/700	1" BSPP	1" BSPP	143.0	70.5
X3M7901AEEE		43.44	250	6	10	2800/700	1" BSPP	1" BSPP	147.0	72.5
X3M8001AEEE		47.16	250	6	10	2800/700	1" BSPP	1" BSPP	150.0	74.0
X3M8101AEEE		50.88	250	6	10	2800/700	1" BSPP	1" BSPP	153.0	75.5
X3M8201AEEE		54.60	250	6	10	2300/700	1" BSPP	1" BSPP	156.0	77.0
X3M8301AFFE		60.81	220	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	161.0	79.5
X3M8501AFFE		64.53	220	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	164.0	81.0
X3M8601AFFE		70.74	210	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	169.0	83.5
X3M8701AFFE		74.46	190	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3M8901AFFE		86.87	160	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	182.0	90.0

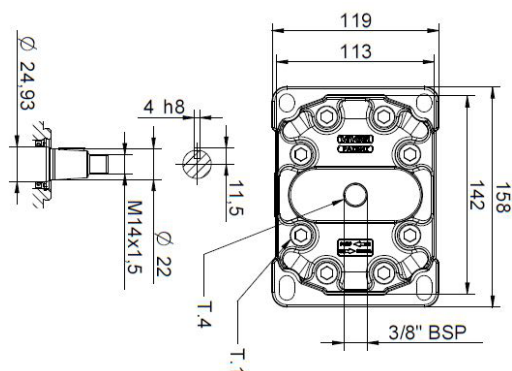
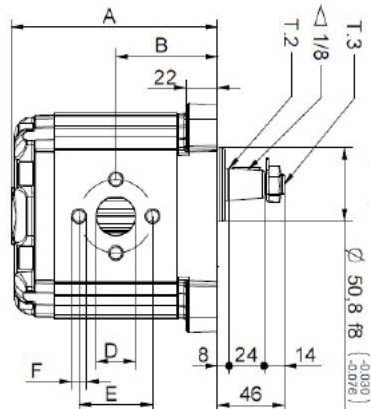
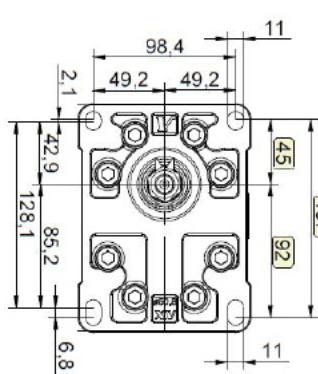
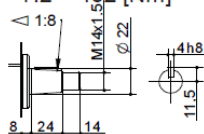
Group 3 Motor Seal Kit

Part #	List Price \$	Material
8KGX3M1.A		NBR
8KGX3M1.V		Viton



CO001 - Tapered

T.2 = 482 [Nm]



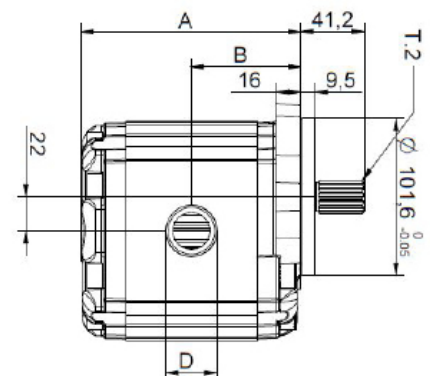
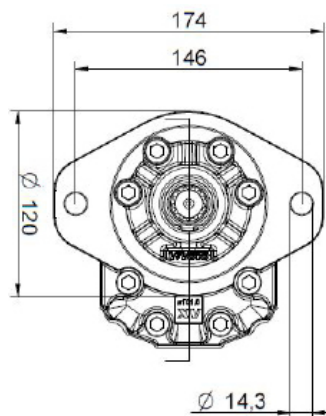
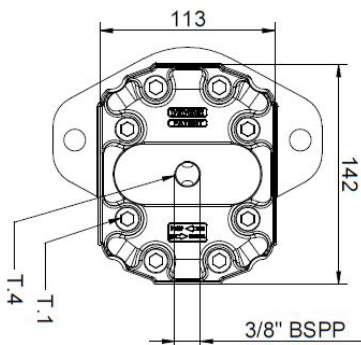
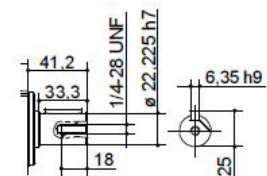
SAE A-2 bolt available,
keyed or spline shaft

Rear-port with drain
available

Group 3 Motor SAE B Mount, 7/8" Keyed Shaft

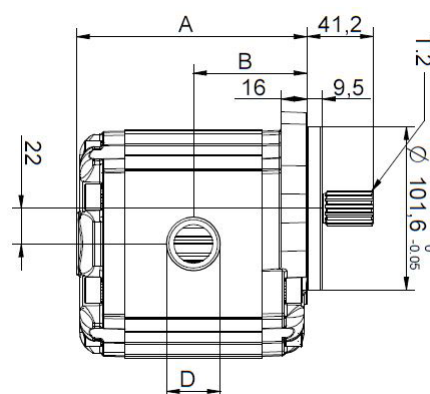
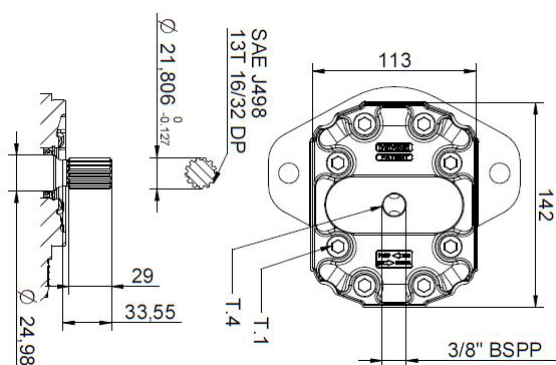
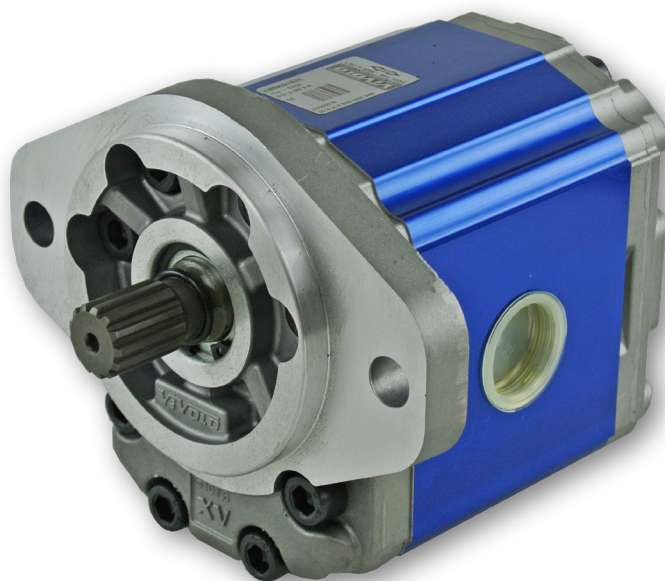
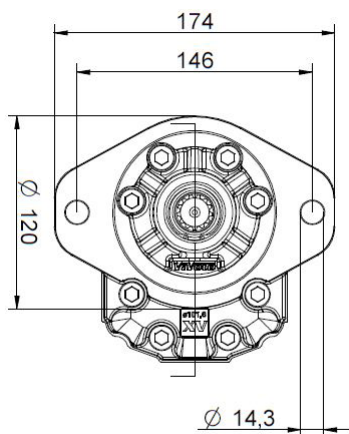


Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Inlet	Drain					A	B
X3M7031HDDE		21.10	300	6	15	3000/700	3/4" BSPP	3/4" BSPP	129.0	63.5
X3M7231HEEE		26.97	270	6	10	3000/700	1" BSPP	1" BSPP	133.0	65.5
X3M7431HEEE		32.27	270	6	10	3000/700	1" BSPP	1" BSPP	138.0	68.0
X3M7831HEEE		38.47	250	6	10	2800/700	1" BSPP	1" BSPP	143.0	70.5
X3M7931HEEE		43.44	221	6	10	2800/700	1" BSPP	1" BSPP	147.0	72.5
X3M8031HEEE		47.16	204	6	10	2800/700	1" BSPP	1" BSPP	150.0	74.0
X3M8131HEEE		50.88	189	6	10	2800/700	1" BSPP	1" BSPP	153.0	75.5
X3M8231HEEE		54.60	176	6	10	2300/700	1" BSPP	1" BSPP	156.0	77.0
X3M8331HFFE		60.81	158	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	161.0	79.5
X3M8631HFFE		70.74	136	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	169.0	83.5
X3M8731HFFE		74.46	129	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3M8931HFFE		86.87	111	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	182.0	90.0



Group 3 Motor SAE B Mount, 7/8" 13 Tooth Splined Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure	Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Inlet	Drain					A	B
X3M6631IDDE		14.89	320	6	20	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3M7031IDDE		21.10	300	6	15	3000/700	3/4" BSPP	3/4" BSPP	129.0	63.5
X3M7231IEEE		26.97	270	6	10	3000/700	3/4" BSPP	3/4" BSPP	133.0	65.5
X3M7431IEEE		32.27	270	6	10	3000/700	1" BSPP	1" BSPP	138.0	68.0
X3M7831IEEE		38.47	270	6	10	2800/700	1" BSPP	1" BSPP	143.0	70.5
X3M7931IEEE		43.44	250	6	10	2800/700	1" BSPP	1" BSPP	147.0	72.5
X3M8031IEEE		47.16	250	6	10	2800/700	1" BSPP	1" BSPP	150.0	74.0
X3M8131IEEE		50.88	250	6	10	2800/700	1" BSPP	1" BSPP	153.0	75.5
X3M8231IEEE		54.60	250	6	10	2300/700	1" BSPP	1" BSPP	156.0	77.0
X3M8331IFFE		60.81	232	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	161.0	79.5
X3M8531IFFE		64.53	218	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	164.0	81.0
X3M8631IFFE		70.74	199	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	169.0	83.5
X3M8731IFFE		74.46	189	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3M8931IFFE		86.87	160	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	182.0	90.0



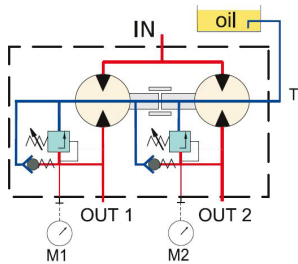
1800-OILSOL
1800-645765

<https://oilsolutions.com.au/>

sales@oilsolutions.com.au

2-Way Rotary Gear Flow Dividers, Differential Relief

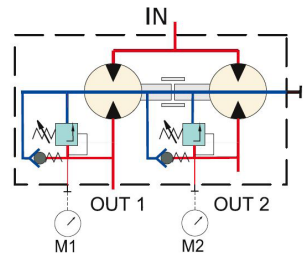
Part #	List Price \$	Displacement per Section	Body Size	Max Pressure (bar)	Inlet Flow Ratings (lpm)			Port Size (BSPP)		Relief Range (bar)
					Min	Recommended	Max	In	Out	
9RV02B04		0.45	Group 0	210	1.2	2.4	6.0	1/4"	1/4"	35-175
9RV02B06		0.76	Group 0	210	2.0	4.0	9.6	1/4"	1/4"	35-175
9RV02B09		1.27	Group 0	210	3.0	6.0	14.4	1/4"	1/4"	35-175
9RV02A18		1.70	Group 1	220	4.0	8.0	18.0	1/2"	3/8"	7-210
9RV02A23		3.20	Group 1	220	7.0	15.0	36.0	1/2"	3/8"	7-210
9RV02A32		6.50	Group 1	220	13.0	26.0	60.0	1/2"	3/8"	7-210
9RV02B45		8.40	Group 2	210	21.6	30.2	45.0	3/4"	1/2"	70-210
9RV02B47		10.80	Group 2	210	26.4	38.8	55.0	3/4"	1/2"	70-210
9RV02B51		16.80	Group 2	200	40.8	60.4	85.0	3/4"	1/2"	70-210
9RV02B55		22.80	Group 2	180	52.8	82.0	110.0	3/4"	1/2"	70-210
9RV02B59		30.00	Group 2	160	72.0	108.0	150.0	1"	3/4"	70-210
9RV02B63		39.60	Group 2	130	96.0	142.6	200.0	1"	3/4"	70-210
9RV02B70		21.00	Group 3	280	50.0	76.0	105.0	1"	1/2"	70-210
9RV02B78		38.00	Group 3	250	82.0	120.0	182.0	1"	3/4"	70-210
9RV02B81		51.00	Group 3	230	102.0	153.0	234.0	1.1/4"	1"	70-210
9RV02B85		64.00	Group 3	210	114.0	166.0	256.0	1.1/4"	1"	70-210



EXTERNAL DRAIN (Standard Setup)

For the correct functioning of the flow divider, it has to be installed under the oil level.

The drain tube has to pick up under the oil level and it has not to aspire air.

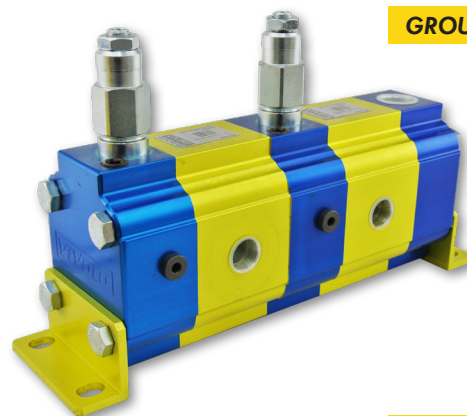


INTERNAL DRAIN (Standard Setup)

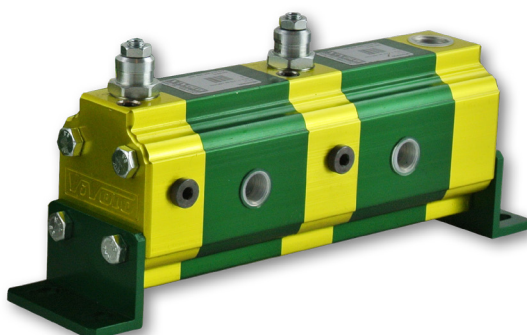
Note that with this configuration the function of anti-cavitation valves is annulled.



GROUP 0



GROUP 2



GROUP 1

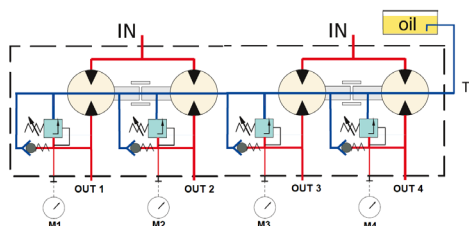


GROUP 3

4-Way Rotary Gear Flow Dividers, Differential Relief



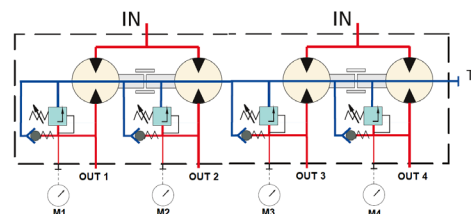
Part #	List Price \$	Displacement per Section	Body Size	Max Pressure (bar)	Inlet Flow Ratings (lpm)			Port Size (BSPP)		Relief Range (bar)
					Min	Recommended	Max	In	Out	
9RV04B04		0.45	Group 0	210	2.4	4.8	12.0	1/4"	1/4"	35-175
9RV04B06		0.76	Group 0	210	4.0	8.0	19.2	1/4"	1/4"	35-175
9RV04B09		1.27	Group 0	210	6.0	12.0	28.8	1/4"	1/4"	35-175
9RV04A18		1.70	Group 1	220	8.0	16.0	36.0	1/2"	3/8"	7-210
9RV04A23		3.20	Group 1	220	14.0	30.0	72.0	1/2"	3/8"	7-210
9RV04A32		6.50	Group 1	220	26.0	52.0	120.0	1/2"	3/8"	7-210
9RV04B45		8.40	Group 2	210	43.2	60.4	90.0	3/4"	1/2"	70-210
9RV04B47		10.80	Group 2	210	52.8	77.6	110.0	3/4"	1/2"	70-210
9RV04B51		16.80	Group 2	200	81.6	120.8	170.0	3/4"	1/2"	70-210
9RV04B55		22.80	Group 2	180	105.6	164.0	220.0	3/4"	1/2"	70-210
9RV04B59		30.00	Group 2	160	144.0	216.0	300.0	1"	3/4"	70-210
9RV04B63		39.60	Group 2	130	192.0	285.2	400.0	1"	3/4"	70-210
9RV04B70		21.00	Group 3	280	100.0	152.0	210.0	1"	1/2"	70-210
9RV04B78		38.00	Group 3	250	164.0	240.0	364.0	1"	1/2"	70-210
9RV04B81		51.00	Group 3	230	204.0	306.0	468.0	1.1/4"	1"	70-210
9RV04B85		64.00	Group 3	210	228.0	332.0	512.0	1.1/4"	1"	70-210



EXTERNAL DRAIN (Standard Setup)

For the correct functioning of the flow divider, it has to be installed under the oil level.

The drain tube has to pick up under the oil level and it has not to aspire air.

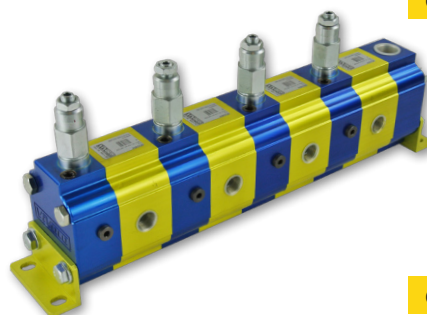


INTERNAL DRAIN (Standard Setup)

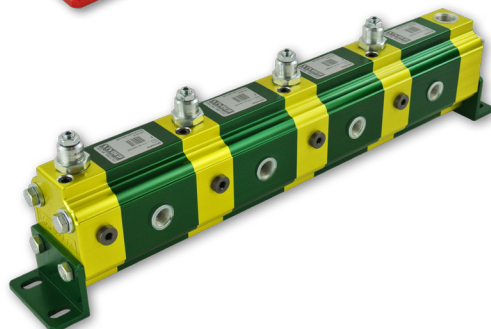
Note that with this configuration the function of anti-cavitation valves is annulled.



GROUP 0



GROUP 2



GROUP 1

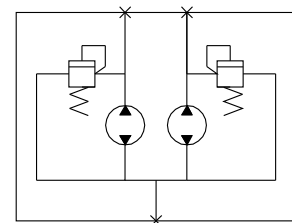
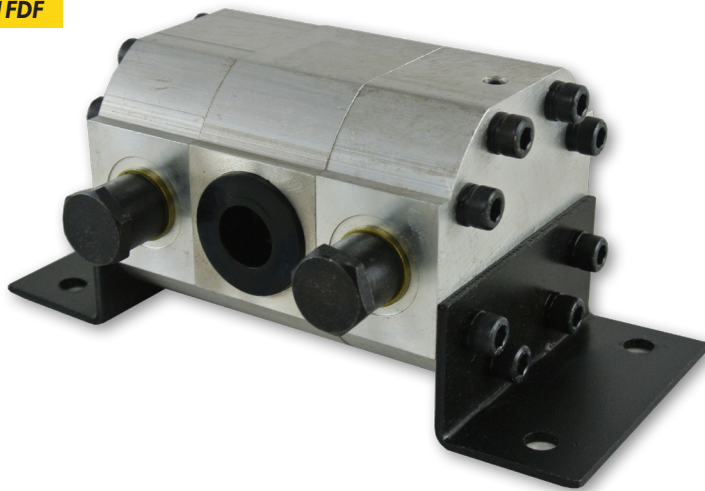


GROUP 3

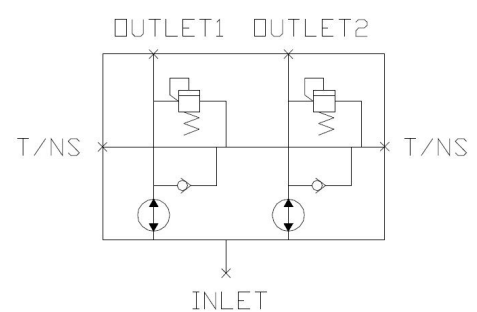
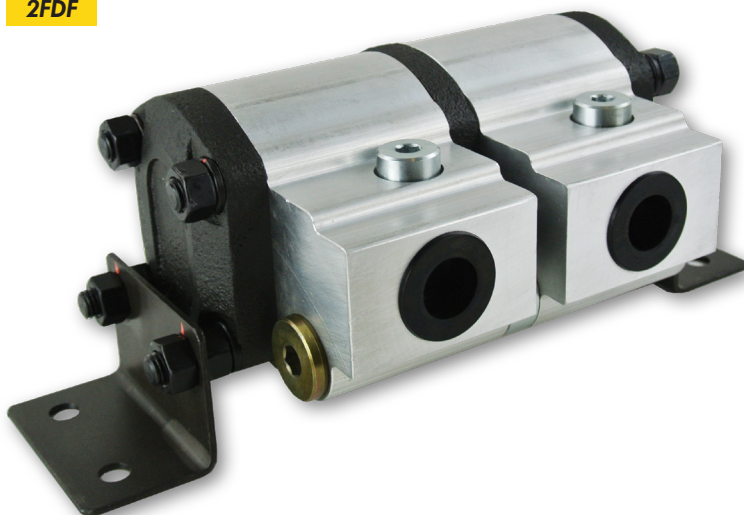
2-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Maximum Pressure (bar)		Inlet Flow Ratings (lpm)		Port Size (BSPP)		Pressure Drop (bar)
		Continuous	Differential	Min	Max	In	Out	
1FDF-1.6-L05-2		240	124	6.0	10.2	1/2"	3/8"	16-19
1FDF-3.18-L08-2		240	124	12.8	21.1	3/4"	1/2"	16-19
1FDF-5.29-L08-2		240	124	22.8	36.3	3/4"	1/2"	16-19
1FDF-8.42-L08-2		240	124	34.0	54.5	3/4"	1/2"	16-19
2FDF-14-L08-2		220	200	14.0	54.4	3/4"	1/2"	11-14
2FDF-25-L03-2		220	200	24.0	84.8	1"	3/4"	11-14

1FDF



2FDF



Differential relief valves
standard set 750psi



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1800-645765

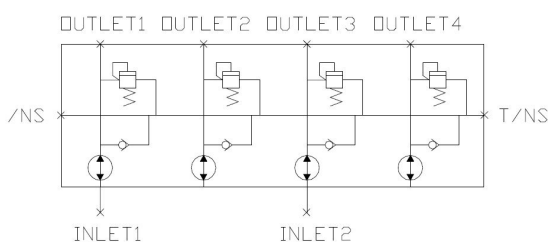
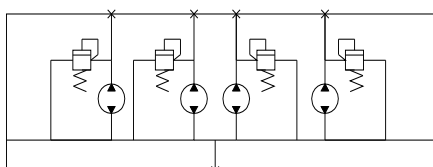
<https://oilsolutions.com.au/>

sales@oilsolutions.com.au

4-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Maximum Pressure (bar)		Inlet Flow Ratings (lpm)		Port Size (BSPP)		Pressure Drop (bar)
		Continuous	Differential	Min	Max	In	Out	
1FDF-1.6-L05-4		240	124	12.3	20.4	1/2"	3/8"	16-19
1FDF-3.18-L08-4		240	124	25.6	42.2	3/4"	1/2"	16-19
1FDF-5.29-L08-4		240	124	45.6	72.6	3/4"	1/2"	16-19
1FDF-8.42-L08-4		240	124	68.0	109.0	1"	1/2"	16-19
2FDF-14-L08-4		220	200	33.6	108.8	1"	3/4"	11-14
2FDF-25-L03-4		220	200	48.0	169.6	1.1/2"	1"	11-14

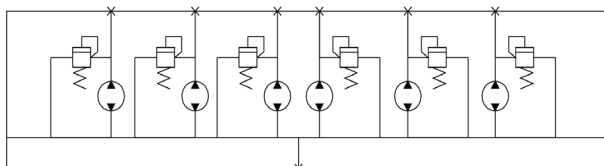
1FDF



2FDF

6-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Maximum Pressure (bar)		Inlet Flow Ratings (lpm)		Port Size (BSPP)		Pressure Drop (bar)
		Continuous	Differential	Min	Max	In	Out	
1FDF-2.0-L05-6		240	124	38.4	63.3	1/2"	3/8"	16-19



Hydraulics Network



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