

CATFORD ENGINEERING PRODUCTS

Jamestown
SA 5491

All Prices Excluding GST

Phone: 0418 641 566

www.catford.com.au sales@catford.com.au

Gear Pumps, Motors & Flow Dividers

*Group 1, 2 & 3 Pumps *Log Splitter Pumps

*Group 1, 2 & 3 Gear Motors *Gear Flow Dividers





Lot 25, Mannanarie Road, Jamestown, South Australia 5491



0418 641 566



sales@catford.com.au

Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.
Please contact us to confirm pricing.

All prices stated within are exclusive of GST
(All prices are correct as of January 1st 2026, but Catford Engineering reserve the right to change these prices without notice)

Gear Pumps, Motors & Flow Dividers

CATFORD Jamestown
SA 5491
CE ENGINEERING
PRODUCTS

Phone: 0418 641 566

www.catford.com.au sales@catford.com.au

GEAR PUMPS, GEAR MOTORS & GEAR FLOW DIVIDERS



Group 0 Gear Pumps
(VIVOIL)

138



Group 1 Gear Pumps
(VIVOIL)

139



Group 2 Gear Pumps
(VIVOIL)

144



Group 3 Gear Pumps
(VIVOIL)

151



Group 1 Gear Pumps
(CAPRONI)

155



Group 2 Gear Pumps
(CAPRONI)

156



Group 3 Gear Pumps
(CAPRONI)

163



Log Splitter Pumps

166



Hi-Lo Log Splitter
Pumps

168



Tandem Gear Pumps
(VIVOIL)

169



Tandem Gear Pumps
(CAPRONI)

171



Group 1 Motor Pump
Assemblies (VIVOIL)

175



Group 2 Motor Pump
Assemblies (VIVOIL)

176



Group 1 Gear Motors
(VIVOIL)

177



Group 2 Gear Motors
(VIVOIL)

180



Group 3 Gear Motors
(VIVOIL)

184



Group Gear 1 Motors
(CAPRONI)

188



Group 2 Gear Motors
(CAPRONI)

189



Group 3 Gear Motors
(CAPRONI)

191



Group 0 Gear Flow
Dividers (VIVOIL)

193



Group 1 Gear Flow
Dividers (VIVOIL)

194



Group 2 Gear Flow
Dividers (VIVOIL)

195



Group 3 Gear Flow
Dividers (VIVOIL)

196



Gear Flow Dividers

197

TECH DATA

Group 0 Pump DIN Mount, M7x1 Keyed Shaft

CW (standard) or CCW rotation available | Group 0-3 tandem pump available

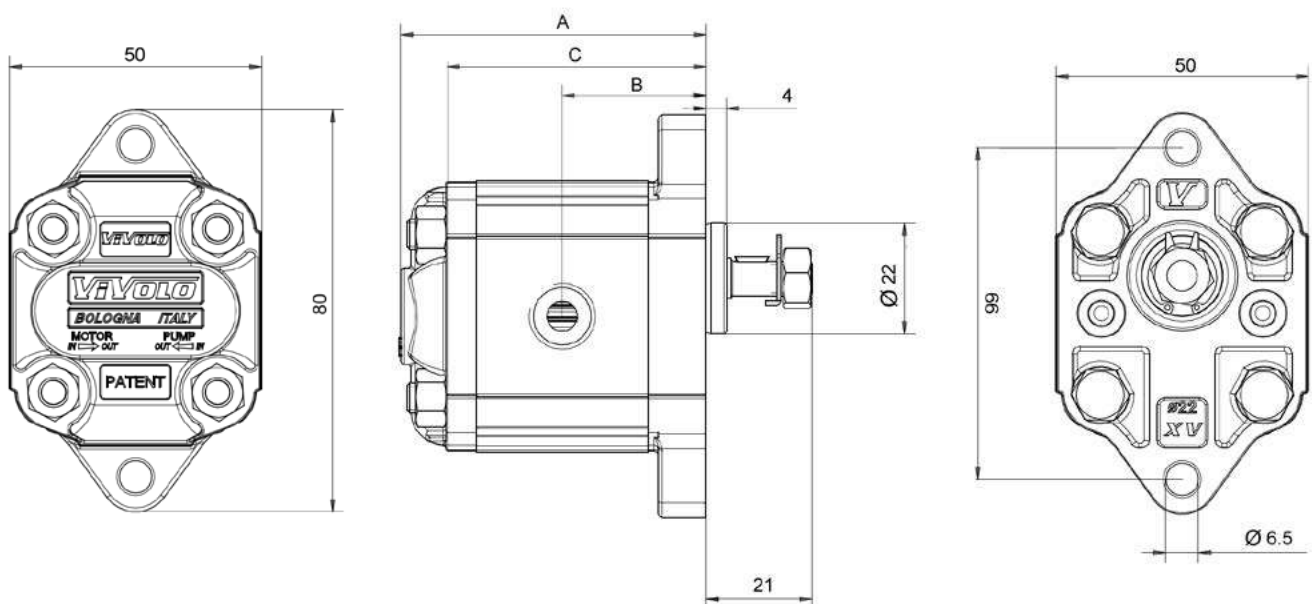
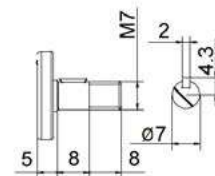
Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
XOP0102ABBA	465.00	0.16	220	260	9000/700	1/4" BSPP	1/4" BSPP	55.8	26.2	46.8
XOP0202ABBA	465.00	0.24	220	260	9000/700	1/4" BSPP	1/4" BSPP	56.4	26.5	47.4
XOP0402ABBA	465.00	0.45	220	237	9000/700	1/4" BSPP	1/4" BSPP	58	27.3	49
XOP0502ABBA	465.00	0.56	191	191	9000/700	1/4" BSPP	1/4" BSPP	59	27.8	50
XOP0602ABBA	465.00	0.75	142	142	9000/700	1/4" BSPP	1/4" BSPP	60.5	28.5	51.5
XOP0702ABBA	465.00	0.92	116	116	6000/700	1/4" BSPP	1/4" BSPP	62	29.3	53
XOP0902ABBA	513.00	1.26	85	85	6000/700	1/4" BSPP	1/4" BSPP	64.5	30.5	55.5
XOP1102ABBA	513.00	1.48	72	72	6000/700	1/4" BSPP	1/4" BSPP	66.5	31.5	57.5
XOP1302ABBA	513.00	2.28	47	47	5000/700	1/4" BSPP	1/4" BSPP	72.5	34.5	63.5

For left rotation (CCW counter-clockwise) pumps, replace the 02 in the part number with 01, e.g. XOP1302ABBA becomes XOP1301ABBA



Group 0 Pump Seal Kit

Part #	List Price \$	Material
8KGXOP1.A	54.00	NBR



SERIES	GROUP	PUMP	DISP.	FLANGE	SHAFT	INLET	OUTLET	REAR COVER
X	1	P	27	01	F	B	B	A

DISPLACEMENT

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

PORTS

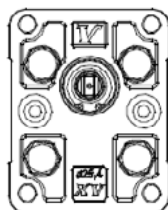
INLET	OUTLET	
B	B	0.91cc
B	B	1.17cc
B	B	1.56cc
B	B	2.08cc
B	B	2.60cc
C	B	3.12cc
C	B	3.64cc
C	B	4.16cc
C	B	4.94cc
C	B	5.85cc
C	B	6.50cc
C	B	7.54cc
C	B	9.88cc
Z	Z	No Ports

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

FLANGE

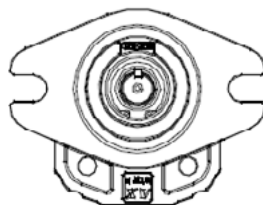
LEFT ROTATION	RIGHT ROTATION
01	02

DIN Group 1

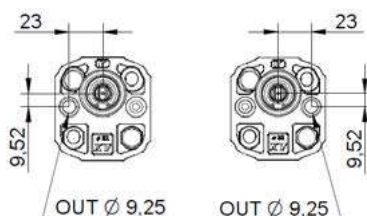


61	62
-----------	-----------

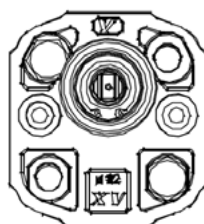
SAE-AA



43	44
-----------	-----------



41	42
-----------	-----------

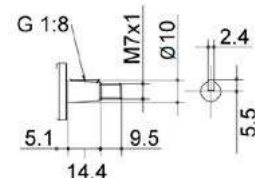


Additional costs apply for non-standard options

SHAFT

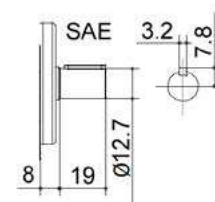
F	
----------	--

Tapered
1:8 Ø 10mm
M7x1
Key 2.4mm
Shaft Torque
43Nm



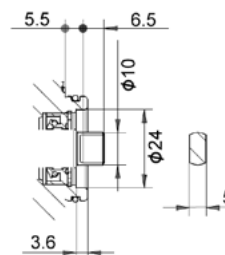
B	
----------	--

Parallel
Ø 1/2"
Key 3.2mm
Shaft Torque
32.8Nm



D	
----------	--

Tang Drive
Milled Shank
10mm
Shaft Torque
13.8Nm



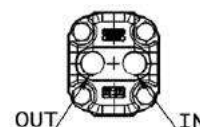
REAR COVER

A	
----------	--



D	
----------	--

* Must be assembled with scalloped housing



N-11	
-------------	--

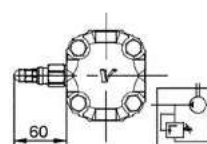
10-105 bar

N-12	
-------------	--

70-210 bar

N-13	
-------------	--

140-350 bar

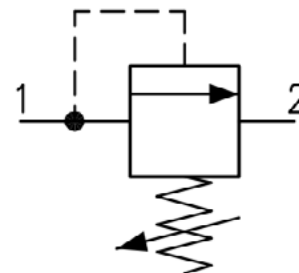
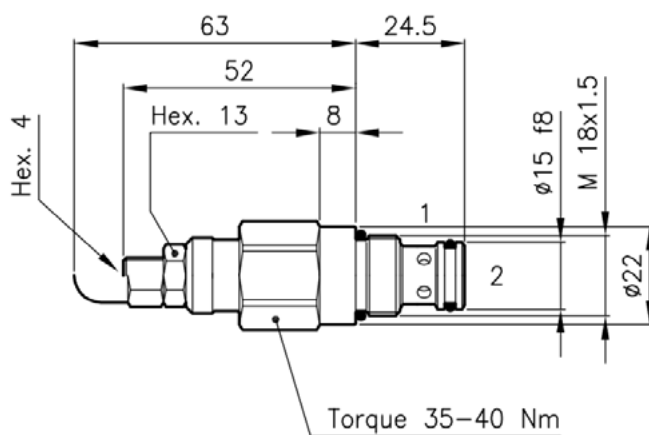
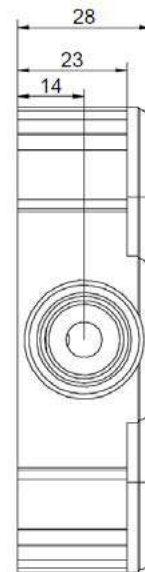


TECH DATA

Group 1 Pump Rear Cover with Integrated Relief Valve

Pricing for this item is in addition to standard pump price

Part #	List Price \$	Maximum Flow Rate	Relief Range	Relief Preset
N-11	391.00	50 L/min	10-105 bar	70 bar
N-12	391.00	50 L/min	70-210 bar	140 bar
N-13	391.00	50 L/min	140-350 bar	280 bar



TECH DATA

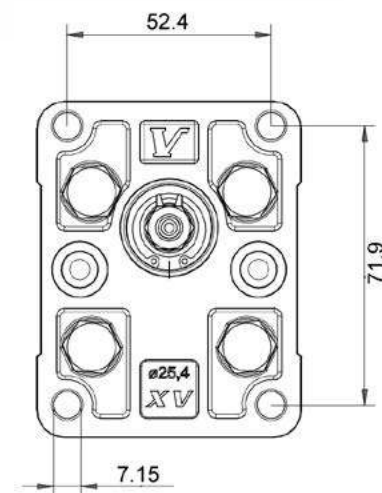
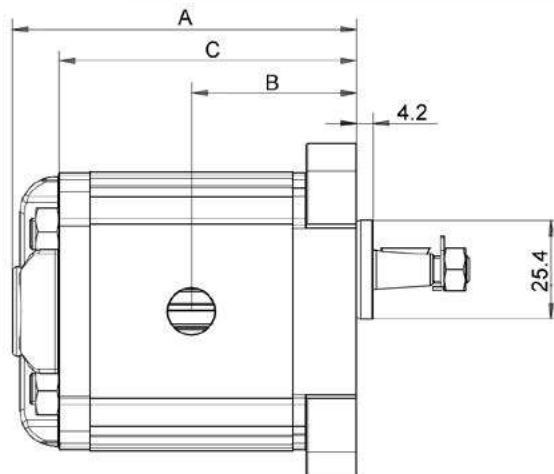
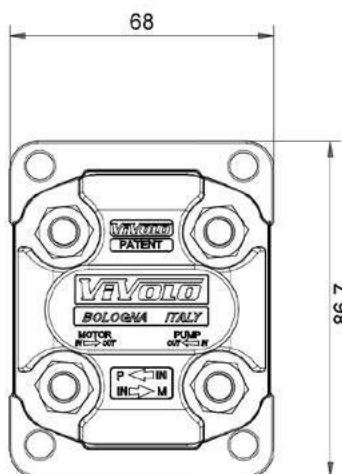
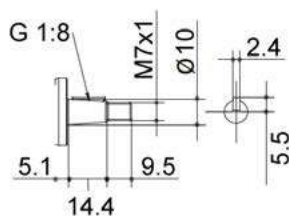
Group 1 Pump DIN Mount, 1:8 Tapered Shaft

CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X1P1602FBBA	507.00	0.91	240	280	6000/700	3/8" BSPP	3/8" BSPP	78.1	37.3	66.1
X1P1702FBBA	507.00	1.17	250	290	6000/700	3/8" BSPP	3/8" BSPP	79.0	37.8	67.0
X1P1802FBBA	507.00	1.56	250	290	6000/700	3/8" BSPP	3/8" BSPP	80.5	38.5	68.5
X1P2002FBBA	507.00	2.08	250	290	6000/700	3/8" BSPP	3/8" BSPP	82.5	39.5	70.5
X1P2102FBBA	507.00	2.60	250	300	6000/700	3/8" BSPP	3/8" BSPP	84.5	40.5	72.5
X1P2302FCBA	507.00	3.12	250	300	6000/700	1/2" BSPP	3/8" BSPP	86.5	41.5	74.5
X1P2502FCBA	507.00	3.64	250	300	6000/700	1/2" BSPP	3/8" BSPP	88.5	42.5	76.5
X1P2702FCBA	507.00	4.16	250	300	6000/700	1/2" BSPP	3/8" BSPP	90.5	43.5	78.5
X1P2902FCBA	542.00	4.94	250	300	6000/700	1/2" BSPP	3/8" BSPP	93.5	45.0	81.5
X1P3102FCBA	542.00	5.85	250	300	5000/700	1/2" BSPP	3/8" BSPP	97.0	46.8	85.0
X1P3202FCBA	542.00	6.50	250	300	5000/700	1/2" BSPP	3/8" BSPP	98.5	48.0	86.5
X1P3402FCBA	542.00	7.54	220	260	5000/700	1/2" BSPP	3/8" BSPP	103.5	50.0	91.5
X1P3602FCBA	542.00	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	50.00	NBR
8KGX1P1.V	150.00	Viton



TECH DATA

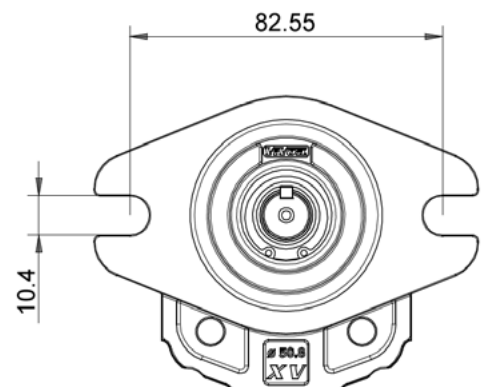
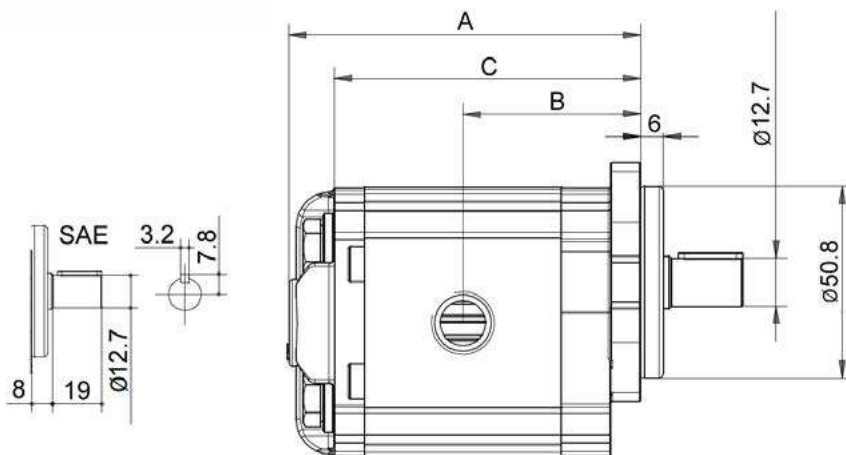
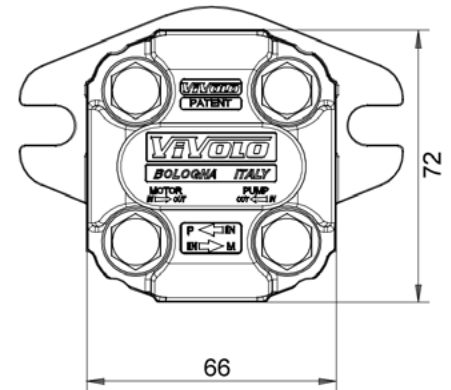
Group 1 Pump SAE AA Mount, 1/2" Keyed Shaft

CW (standard) or CCW rotation available | Relief valves available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X1P1662BBBA	507.00	0.91	240	280	6000/700	3/8" BSPP	3/8" BSPP	82.6	41.8	70.6
X1P1762BBBA	507.00	1.17	250	290	6000/700	3/8" BSPP	3/8" BSPP	83.5	42.3	71.5
X1P1862BBBA	507.00	1.56	250	290	6000/700	3/8" BSPP	3/8" BSPP	85.0	43.0	73.0
X1P2062BBBA	507.00	2.08	250	290	6000/700	3/8" BSPP	3/8" BSPP	87.0	44.0	75.0
X1P2162BBBA	507.00	2.60	250	300	6000/700	3/8" BSPP	3/8" BSPP	89.0	45.0	77.0
X1P2362BCBA	507.00	3.12	250	300	6000/700	1/2" BSPP	3/8" BSPP	91.0	46.5	79.0
X1P2562BCBA	507.00	3.64	250	300	6000/700	1/2" BSPP	3/8" BSPP	93.0	47.0	81.0
X1P2762BCBA	507.00	4.16	250	300	6000/700	1/2" BSPP	3/8" BSPP	95.0	48.0	83.0
X1P2962BCBA	542.00	4.94	250	300	6000/700	1/2" BSPP	3/8" BSPP	98.0	49.5	86.0
X1P3162BCBA	542.00	5.85	250	299	5000/700	1/2" BSPP	3/8" BSPP	101.5	51.3	89.5
X1P3262BCBA	542.00	6.50	250	269	5000/700	1/2" BSPP	3/8" BSPP	105.0	52.5	93.0
X1P3462BCBA	542.00	7.54	220	232	5000/700	1/2" BSPP	3/8" BSPP	108.0	54.5	96.0
X1P3662BCBA	542.00	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	50.00	NBR
8KGX1P2.V	172.00	Viton



TECH DATA

Group 1 Pump BH Mount, Tang Drive Shaft

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X1P1641DBBA	507.00	0.91	240	280	6000/700	3/8" BSPP	3/8" BSPP	82.6	41.8	70.6
X1P1741DBBA	507.00	1.17	250	290	6000/700	3/8" BSPP	3/8" BSPP	83.5	42.3	71.5
X1P1841DBBA	507.00	1.56	250	290	6000/700	3/8" BSPP	3/8" BSPP	85.0	43.0	73.0
X1P2041DBBA	507.00	2.08	250	290	6000/700	3/8" BSPP	3/8" BSPP	87.0	44.0	75.0
X1P2141DBBA	507.00	2.60	250	283	6000/700	3/8" BSPP	3/8" BSPP	89.0	45.0	77.0
X1P2341DCBA	507.00	3.12	236	236	6000/700	1/2" BSPP	3/8" BSPP	91.0	46.5	79.0
X1P2541DCBA	507.00	3.64	202	202	6000/700	1/2" BSPP	3/8" BSPP	93.0	47.0	81.0
X1P2741DCBA	507.00	4.16	177	177	6000/700	1/2" BSPP	3/8" BSPP	95.0	48.0	83.0
X1P2941DCBA	542.00	4.94	149	149	6000/700	1/2" BSPP	3/8" BSPP	98.0	49.5	86.0
X1P3141DCBA	542.00	5.85	126	126	5000/700	1/2" BSPP	3/8" BSPP	101.5	51.3	89.5
X1P3241DCBA	542.00	6.50	113	113	5000/700	1/2" BSPP	3/8" BSPP	105.0	52.5	93.0
X1P3441DCBA	542.00	7.54	98	98	5000/700	1/2" BSPP	3/8" BSPP	108.0	54.5	96.0
X1P3641DCBA	542.00	9.88	75	75	4000/700	1/2" BSPP	3/8" BSPP	117.0	59.0	105.0

See nomenclature chart on page 139 for flange codings



41/42 Flange



43 Flange



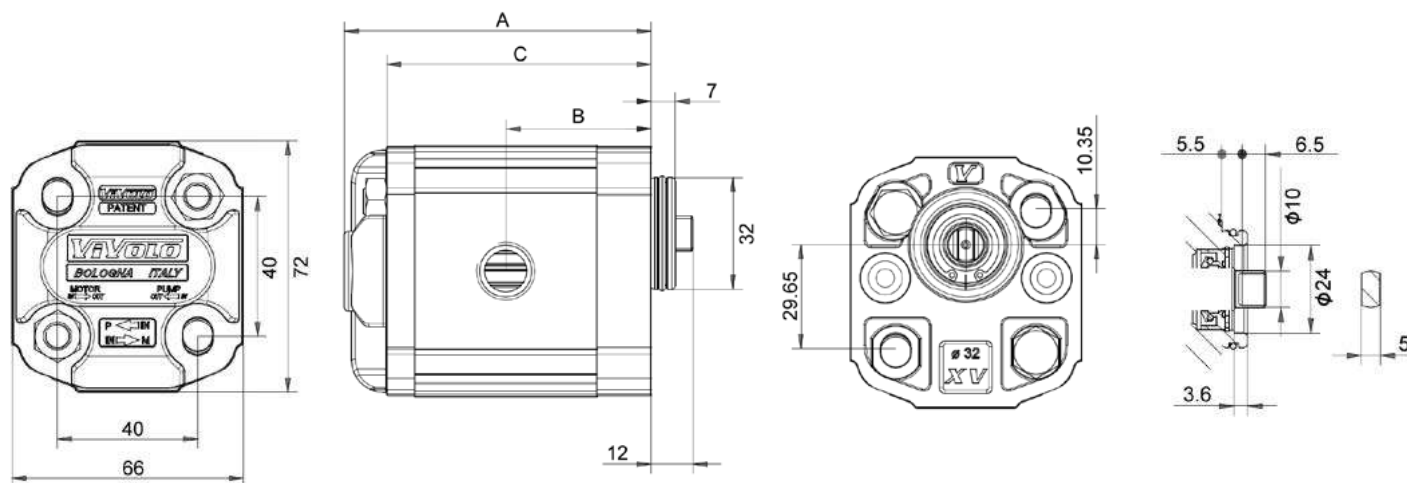
44 Flange

Group 1 Pump Seal Kit

Part #	List Price \$	Material
8KGX1P2.A	50.00	NBR
8KGX1P2.V	172.00	Viton



Suitable for our DC & AC power units
- see order code for centre block port covers
(page 139)



SERIES	GROUP	PUMP	DISP.	FLANGE	SHAFT	INLET	OUTLET	REAR COVER
X	2	P	51	02	E	C	B	A

DISPLACEMENT

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

PORTS

INLET	OUTLET	
B	B	4.2cc
B	B	6.0cc
C	B	8.4cc
C	B	10.8cc
C	B	14.4cc
D	C	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
Z	Z	No ports

B: 1/2" BSPP, C: 3/4" BSPP, D: 1" BSPP



Additional costs apply for non-standard options

FLANGE

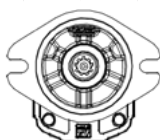
LEFT ROTATION	RIGHT ROTATION
01	02

DIN Group 2



51	52
-----------	-----------

SAE-A



41	42
-----------	-----------

Ø80 German Standard



21	22
-----------	-----------

Ø50 HY German Standard (highlighted mounting hole)



11	12
-----------	-----------

Ø50 BH German Standard (highlighted mounting hole)



1S	1D
-----------	-----------

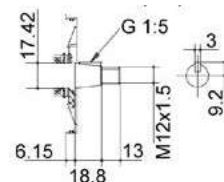
DIN Group 2 Bearing Carrier 1:8 taper



SHAFT

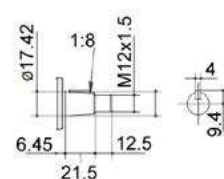
F	GERMAN STANDARDISED ONLY
---	--------------------------

Tapered
1:5 Ø 17.4mm
M12x1.5
Key 3mm
Shaft Torque
233.3Nm



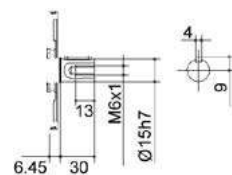
E

Tapered
1:8 Ø 17.2mm
M12x1.5
Key 4mm
Shaft Torque
233.2Nm



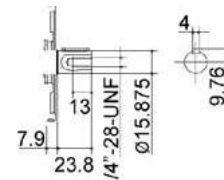
A

Parallel
Ø 15mm
Key 4mm
Shaft Torque
44.1Nm



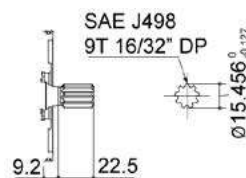
B

Parallel
Ø 5/8" Key 4mm
Shaft Torque
67.5Nm



I

Splined
9T 16/32 DP
Shaft Torque
67.1Nm



10T & 11T shaft options - see page 150

REAR COVER

A	N21
---	-----

10-105 bar

D	N22
---	-----

70-210 bar

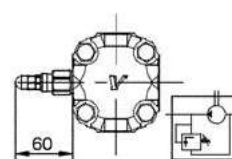
D1	N22
----	-----

140-350 bar

3/4" IN/OUT



D/D1 must be used with scalloped housing

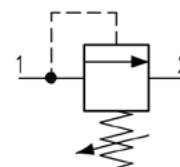
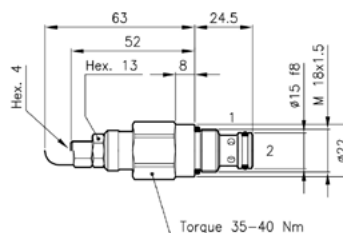
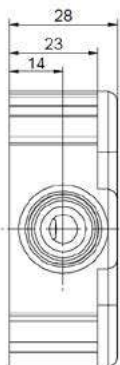


TECH DATA

Group 2 Pump Rear Cover with Integrated Relief Valve

Pricing for this item is in addition to standard pump price

Part #	List Price \$	Maximum Flow Rate	Relief Range	Relief Preset
N-21	479.00	50 L/min	10-105 bar	70 bar
N-22	479.00	50 L/min	70-210 bar	140 bar
N-23	479.00	50 L/min	140-350 bar	280 bar



TECH DATA

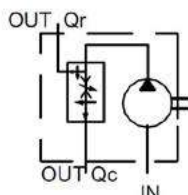
Priority Head Internal Excess Flow

Pricing for this item is in addition to standard pump price

Rear Cover Part #	List Price \$	QC Port	Flow Adjustment	
			Minimum	Maximum
CB62	799.00	3/8" BSPP	3 L/min	6 L/min
CB58	799.00	3/8" BSPP	6 L/min	11 L/min
CB63	799.00	3/8" BSPP	8 L/min	16 L/min
CB64	799.00	3/8" BSPP	13 L/min	25 L/min
CB70	799.00	3/8" BSPP	25 L/min	45 L/min

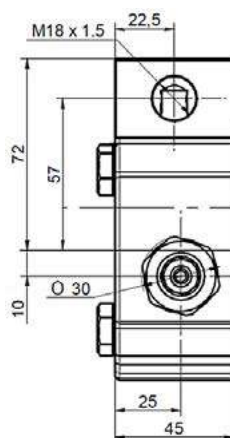


Qc = ADJUSTABLE CONSTANT FLOW



Qc = ADJUSTABLE CONSTANT FLOW
Qr = EXCEEDING FLOW

CB



TECH DATA

Priority Head External Excess Flow

Pricing for this item is in addition to standard pump price

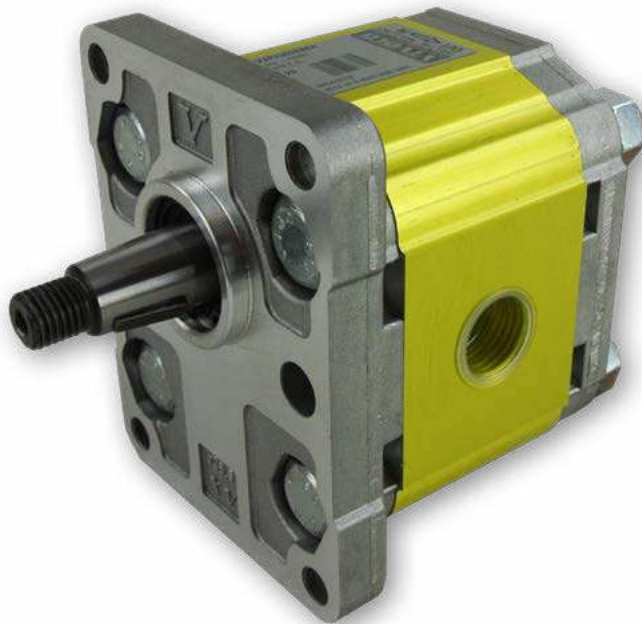
Rear Cover Part #	List Price \$	QC/QR Ports	Flow Adjustment	
			Minimum	Maximum
CA62	831.00	3/8" BSPP	3 L/min	6 L/min
CA58	831.00	3/8" BSPP	6 L/min	11 L/min
CA63	831.00	3/8" BSPP	8 L/min	16 L/min
CA64	831.00	3/8" BSPP	13 L/min	25 L/min
CA70	831.00	3/8" BSPP	25 L/min	45 L/min

TECH DATA

Group 2 Pump DIN Mount, 1:8 Tapered Shaft

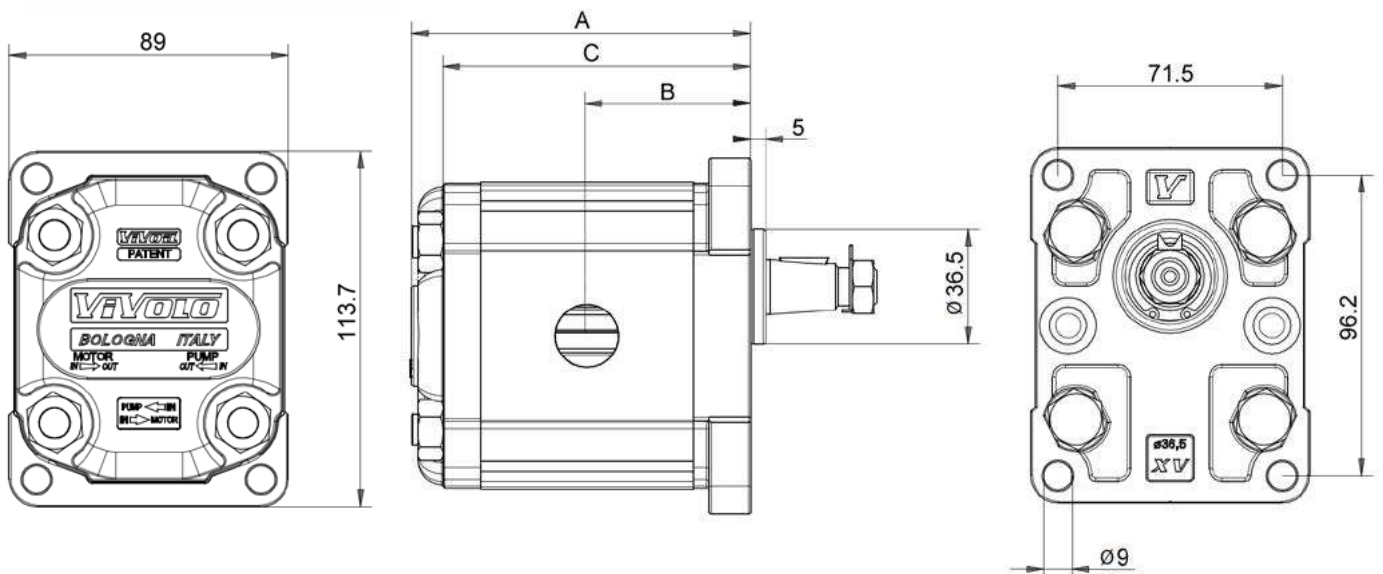
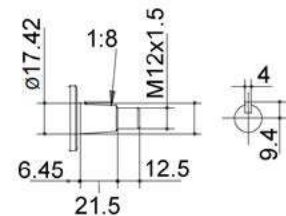
CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4102EBBA	678.00	4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	87.2	41.7	77.2
X2P4302EBBA	678.00	6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	90.2	43.2	80.2
X2P4502ECBA	678.00	8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	94.2	45.2	84.2
X2P4702ECBA	700.00	10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	98.2	47.2	88.2
X2P4902ECBA	700.00	14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	104.2	50.2	94.2
X2P5102EDCA	700.00	16.8	230	270	3500/700	1" BSPP	3/4" BSPP	108.2	52.2	98.2
X2P5302EDCA	714.00	19.2	210	250	3000/700	1" BSPP	3/4" BSPP	112.2	54.2	102.2
X2P5502EDCA	714.00	22.8	200	240	3000/700	1" BSPP	3/4" BSPP	118.2	57.2	108.2
X2P5702EDCA	714.00	26.2	170	210	3000/700	1" BSPP	3/4" BSPP	122.2	59.2	112.2
X2P5902EDCA	799.00	30.0	160	200	2500/700	1" BSPP	3/4" BSPP	130.2	63.2	120.2
X2P6102EDCA	799.00	34.2	150	190	2500/700	1" BSPP	3/4" BSPP	137.2	66.7	127.2
X2P6302EDCA	799.00	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	95.00	NBR
8KGX2P1.V	188.00	Viton



**TECH
DATA**

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

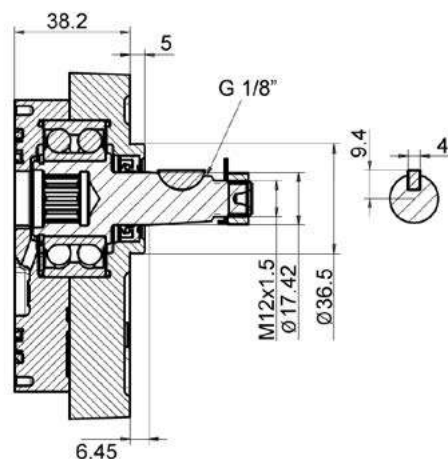
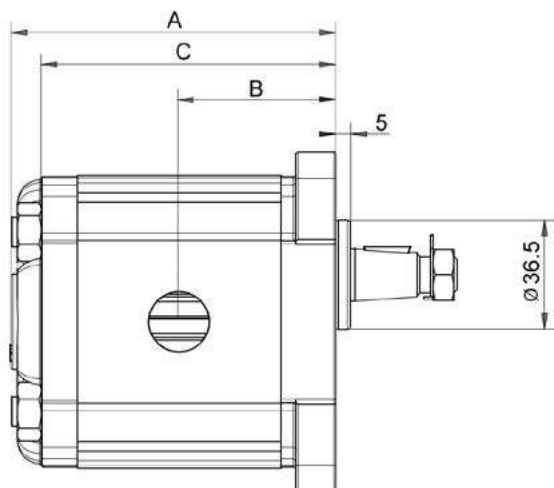
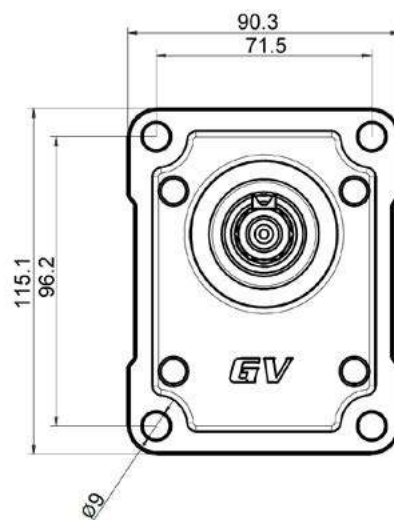
CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P411DEBBA	1394.00	4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	107.2	41.7	77.2
X2P431DEBBA	1394.00	6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	110.2	43.2	80.2
X2P451DECBA	1394.00	8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	114.2	45.2	84.2
X2P471DECBA	1394.00	10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	118.2	47.2	88.2
X2P491DECBA	1394.00	14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	124.2	50.2	94.2
X2P511DEDCA	1407.00	16.8	230	270	3500/700	1" BSPP	3/4" BSPP	128.2	52.2	98.2
X2P531DEDCA	1434.00	19.2	210	250	3000/700	1" BSPP	3/4" BSPP	132.2	54.2	102.2
X2P551DEDCA	1407.00	22.8	200	240	3000/700	1" BSPP	3/4" BSPP	138.2	57.2	108.2
X2P571DEDCA	1407.00	26.2	170	210	3000/700	1" BSPP	3/4" BSPP	142.2	59.2	112.2
X2P591DEDCA	1497.00	30.0	160	200	2500/700	1" BSPP	3/4" BSPP	150.2	63.2	120.2
X2P611DEDCA	1497.00	34.2	150	190	2500/700	1" BSPP	3/4" BSPP	157.2	66.7	127.2
X2P631DEDCA	1497.00	39.6	140	180	2000/700	1" BSPP	3/4" BSPP	166.2	71.2	136.2



Group 2 Pump Seal Kit

Part #	List Price \$	Material
8KGX2P1.A	95.00	NBR
8KGX2P1.V	188.00	Viton



TECH DATA

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

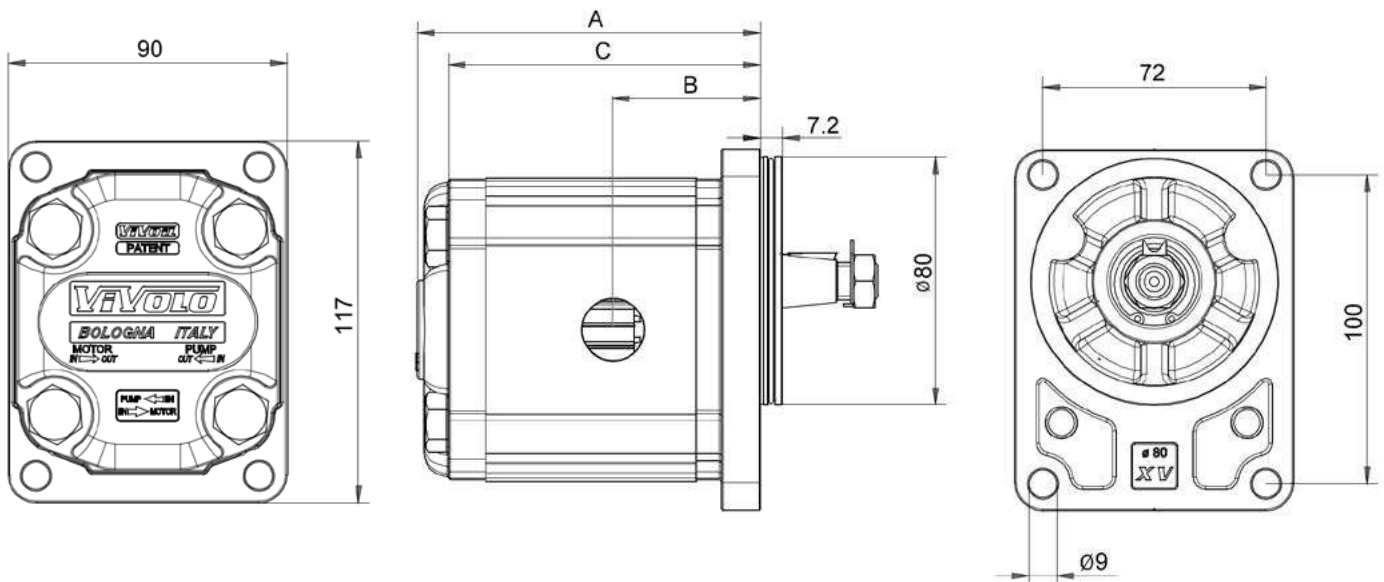
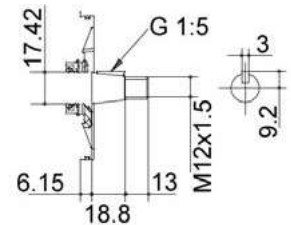
CW (standard) or CCW rotation available | Relief valves available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4142FBBA	801.00	4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	89.7	41.1	79.7
X2P4342FBBA	801.00	6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	92.7	41.1	82.7
X2P4542FCBA	801.00	8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	96.7	43.1	86.7
X2P4742FCBA	825.00	10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	100.7	47.5	90.7
X2P4942FCBA	825.00	14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	106.7	47.5	96.7
X2P5142FDCA	825.00	16.8	230	270	3500/700	1" BSPP	3/4" BSPP	110.7	47.5	100.7
X2P5342FDCA	825.00	19.2	210	250	3000/700	1" BSPP	3/4" BSPP	114.7	47.5	104.7
X2P5542FDCA	838.00	22.8	200	240	3000/700	1" BSPP	3/4" BSPP	120.7	55	110.7
X2P5742FDCA	838.00	26.2	170	210	3000/700	1" BSPP	3/4" BSPP	124.7	55	114.7
X2P5942FDCA	924.00	30.0	160	200	2500/700	1" BSPP	3/4" BSPP	132.7	63.2	122.7
X2P6142FDCA	924.00	34.2	150	190	2500/700	1" BSPP	3/4" BSPP	139.7	63.2	129.7
X2P6342FDCA	924.00	39.6	140	180	2500/700	1" BSPP	3/4" BSPP	148.7	63.2	138.7



Group 2 Pump Seal Kit

Part #	List Price \$	Material
8KGX2P1.A	95.00	NBR
8KGX2P1.V	188.00	Viton



TECH DATA

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

CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4152BBBA	678.00	4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2P4352BBBA	678.00	6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2P4552BCBA	678.00	8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	95.0	41.4	85.0
X2P4752BCBA	700.00	10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	99.0	45.8	89.0
X2P4952BCBA	700.00	14.4	250	250	3500/700	3/4" BSPP	1/2" BSPP	105.0	45.8	95.0
X2P5152BDCA	700.00	16.8	214	214	3500/700	1" BSPP	3/4" BSPP	109.0	45.8	99.0
X2P5352BDCA	714.00	19.2	188	188	3000/700	1" BSPP	3/4" BSPP	113.0	45.8	103.0
X2P5552BDCA	714.00	22.8	158	158	3000/700	1" BSPP	3/4" BSPP	119.0	53.3	109.0
X2P5752BDCA	714.00	26.2	138	138	3000/700	1" BSPP	3/4" BSPP	123.0	53.3	113.0
X2P5952BDCA	799.00	30.0	120	120	2500/700	1" BSPP	3/4" BSPP	131.0	61.5	121.0
X2P6152BDCA	799.00	34.2	105	105	2500/700	1" BSPP	3/4" BSPP	138.0	61.5	128.0
X2P6352BDCA	799.00	39.6	91	91	2000/700	1" BSPP	3/4" BSPP	147.0	61.5	137.0

TECH DATA

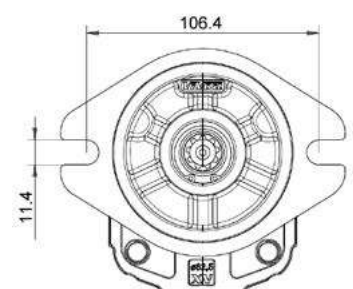
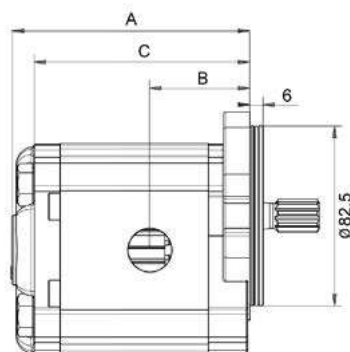
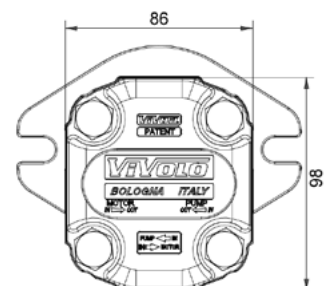
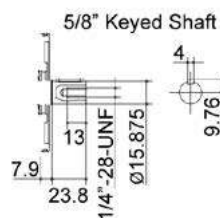
Group 2 Pump SAE A Mount, 5/8" 9 Tooth Splined Shaft

CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
X2P4152IBBA	678.00	4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2P4352IBBA	678.00	6.0	260	300	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2P4552ICBA	678.00	8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	95.0	41.4	85.0
X2P4752ICBA	700.00	10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	99.0	45.8	89.0
X2P4952ICBA	700.00	14.4	249	249	3500/700	3/4" BSPP	1/2" BSPP	105.0	45.8	95.0
X2P5152IDCA	700.00	16.8	213	213	3500/700	1" BSPP	3/4" BSPP	109.0	45.8	99.0
X2P5352IDCA	714.00	19.2	187	187	3000/700	1" BSPP	3/4" BSPP	113.0	45.8	103.0
X2P5552IDCA	714.00	22.8	157	157	3000/700	1" BSPP	3/4" BSPP	119.0	53.3	109.0
X2P5752IDCA	714.00	26.2	137	137	3000/700	1" BSPP	3/4" BSPP	123.0	53.3	113.0
X2P5952IDCA	799.00	30.0	119	119	2500/700	1" BSPP	3/4" BSPP	131.0	61.5	121.0
X2P6152IDCA	799.00	34.2	105	105	2500/700	1" BSPP	3/4" BSPP	138.0	61.5	128.0
X2P6352IDCA	799.00	39.6	90	90	2000/700	1" BSPP	3/4" BSPP	147.0	61.5	137.0

Group 2 Pump Seal Kit

Part #	List Price \$	Material
8KGX2P1.A	95.00	NBR
8KGX2P1.V	188.00	Viton



TECH DATA

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

CW (standard) or CCW rotation available | Relief valves available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
G2P5152RDCA	1022.00	16.8	230	270	3500/700	1" BSPP	3/4" BSPP	107.0	53	101.0
G2P5552RDCA	1062.00	22.8	200	240	3000/700	1" BSPP	3/4" BSPP	117.0	58	111.0
G2P5752RDCA	1062.00	26.2	170	210	3000/700	1" BSPP	3/4" BSPP	121.0	60	115.0
G2P5952RDCA	1122.00	30.0	160	200	2500/700	1" BSPP	3/4" BSPP	129.0	64	123.0
G2P6152RDCA	1122.00	34.2	150	190	2500/700	1" BSPP	3/4" BSPP	136.0	67.5	130.0

TECH DATA

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

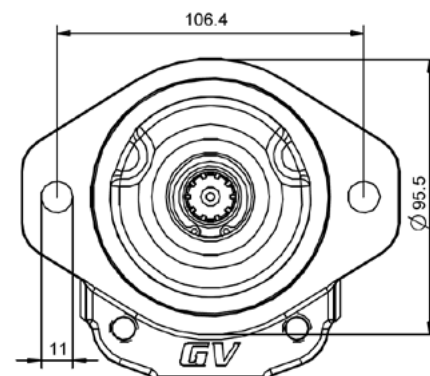
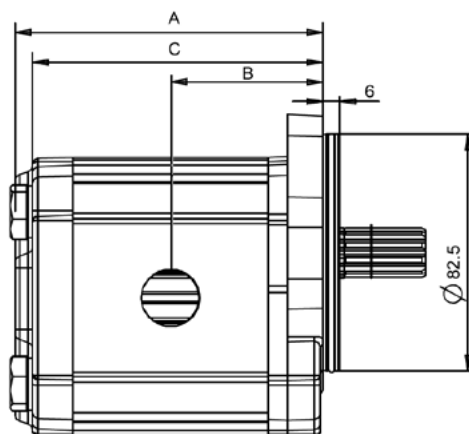
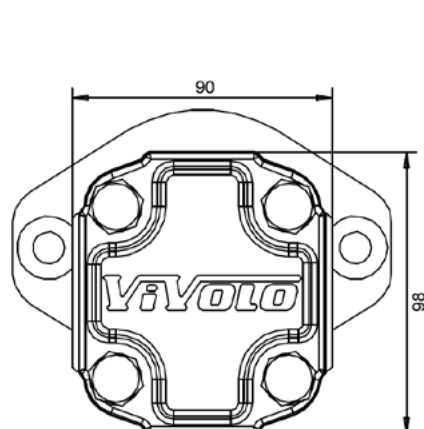
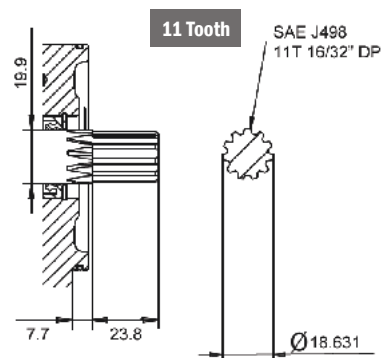
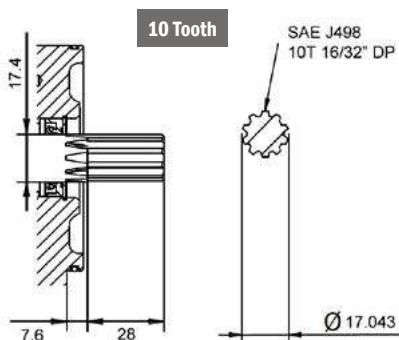
CW (standard) or CCW rotation available | Relief valves available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)		
			Working	Peak				A	B	C
G2P4152SBBA	979.00	4.2	260	300	3500/700	1/2" BSPP	1/2" BSPP	86.0	42.5	80.0
G2P4352SCBA	979.00	6.0	260	300	3500/700	3/4" BSPP	1/2" BSPP	89.0	44	83.0
G2P4552SCBA	979.00	8.4	260	300	3500/700	3/4" BSPP	1/2" BSPP	93.0	46	87.0
G2P4752SCBA	979.00	10.8	260	300	3500/700	3/4" BSPP	1/2" BSPP	97.0	48	91.0
G2P4952SCBA	1022.00	14.4	250	290	3500/700	3/4" BSPP	1/2" BSPP	103.0	51	97.0
G2P5152SCBA	1022.00	16.8	230	270	3500/700	3/4" BSPP	1/2" BSPP	107.0	53	101.0
G2P5352SDCA	1062.00	19.2	210	250	3000/700	1" BSPP	3/4" BSPP	111.0	55	105.0
G2P5552SDCA	1062.00	22.8	200	240	3000/700	1" BSPP	3/4" BSPP	117.0	58	111.0
G2P5752SDCA	1062.00	26.2	170	210	3000/700	1" BSPP	3/4" BSPP	121.0	60	115.0



Group 2 Pump Seal Kit

Part #	List Price \$	Material
8KGX2P1.A	95.00	NBR
8KGX2P1.V	188.00	Viton



Series	Group	Pump	DISP.	FLANGE	SHAFT	INLET	OUTLET	REAR
X	3	P	66	32	I	D	D	A

DISPLACEMENT

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

PORTS

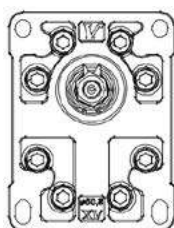
INLET	OUTLET	
D	D	14.9cc
E	D	17.4cc
E	D	21.1cc
E	D	27.0cc
E	D	32.3cc
E	D	38.5cc
F	E	43.4cc
F	E	47.2cc
F	E	50.9cc
F	E	54.6cc
F	E	60.8cc
F	E	64.5cc
F	E	70.7cc
F	F	74.5cc
F	F	86.9cc

D: 3/4" BSPP, E: 1" BSPP, F: 1.1/4" BSPP

FLANGE

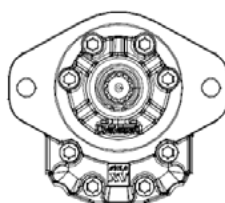
LEFT ROTATION	RIGHT ROTATION
01	02

DIN Group 3



31	32
-----------	-----------

SAE-B



REAR COVER

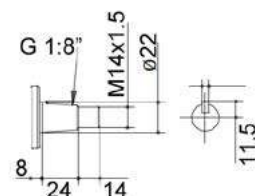
A



SHAFT

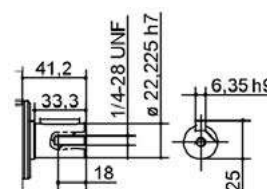
A

Tapered
1:8 Ø 22mm
M14x1.5
Key 4mm
Shaft Torque
482Nm



H

Parallel
Ø 7/8" Key
6.35mm
Shaft Torque
180Nm



I

Splined
7/8" 13T
Shaft Torque
264Nm



Additional costs apply for
non-standard options

TECH DATA

Group 3 Pump DIN Mount, 1:8 Tapered Shaft

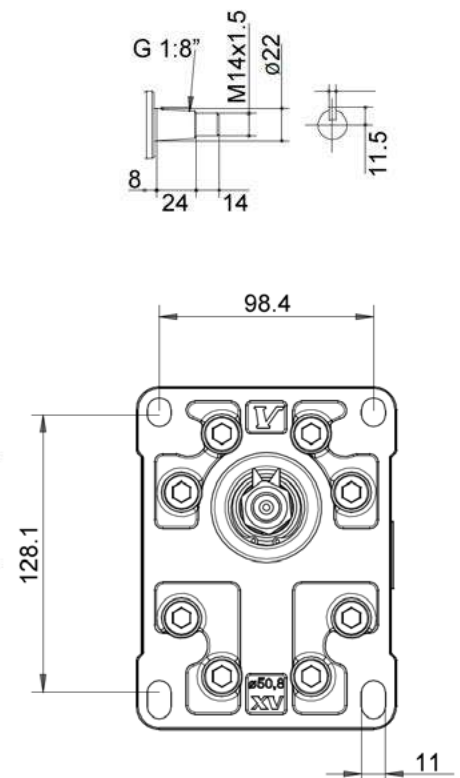
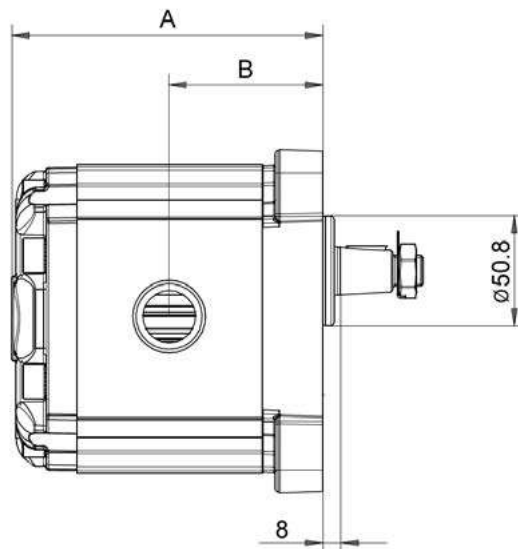
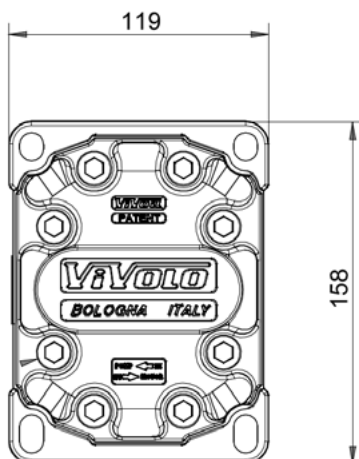
CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Working	Peak				A	B
X3P6602ADDA	1406.00	14.89	300	320	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3P6802AEDA	1406.00	17.37	300	320	3000/700	1" BSPP	3/4" BSPP	126.0	62.0
X3P7002AEDA	1406.00	21.10	280	300	3000/700	1" BSPP	3/4" BSPP	129.0	63.5
X3P7202AEDA	1406.00	26.97	250	270	3000/700	1" BSPP	3/4" BSPP	133.0	65.5
X3P7402AEDA	1406.00	32.27	250	270	3000/700	1" BSPP	3/4" BSPP	138.0	68.0
X3P7802AEDA	1498.00	38.47	250	270	2800/700	1" BSPP	3/4" BSPP	143.0	70.5
X3P7902AFEA	1498.00	43.44	250	270	2800/700	1.1/4" BSPP	1" BSPP	147.0	72.5
X3P8002AFEA	1498.00	47.16	230	250	2800/700	1.1/4" BSPP	1" BSPP	150.0	74.0
X3P8102AFEA	1569.00	50.88	230	250	2800/700	1.1/4" BSPP	1" BSPP	153.0	75.5
X3P8202AFEA	1569.00	54.60	230	250	2300/700	1.1/4" BSPP	1" BSPP	156.0	77.0
X3P8302AFEA	1569.00	60.81	230	250	2300/700	1.1/4" BSPP	1" BSPP	161.0	79.5
X3P8502AFEA	1569.00	64.53	210	230	2300/700	1.1/4" BSPP	1" BSPP	164.0	81.0
X3P8602AFEA	1641.00	70.74	200	220	2300/700	1.1/4" BSPP	1" BSPP	169.0	83.5
X3P8702AFFA	1641.00	74.46	180	200	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3P8902AFFA	1668.00	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	163.00	NBR
8KGX3P1.V	324.00	Viton



**TECH
DATA**

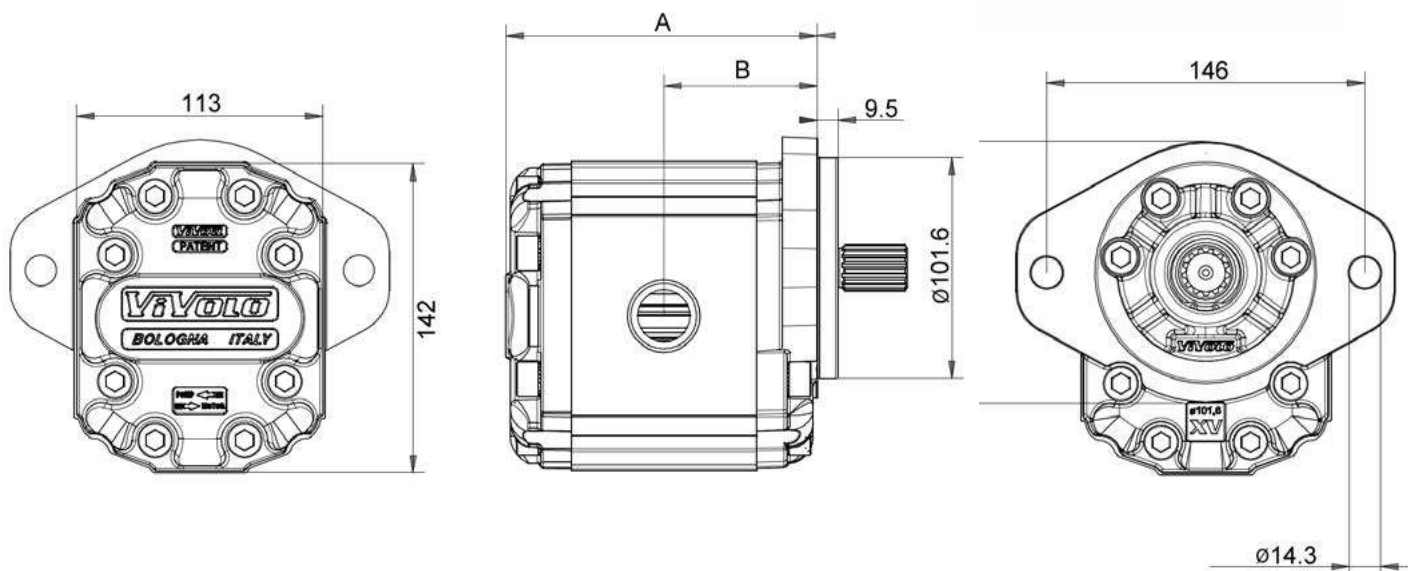
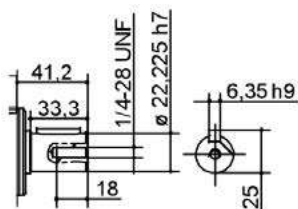
Group 3 Pump SAE B Mount, 7/8" Keyed Shaft

CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Working	Peak				A	B
X3P7032HEDA	1406.00	21.10	280	300	3000/700	1" BSPP	3/4" BSPP	129.0	63.5
X3P7232HEDA	1406.00	26.97	250	270	3000/700	1" BSPP	3/4" BSPP	133.0	65.5
X3P7432HEDA	1406.00	32.27	250	270	3000/700	1" BSPP	3/4" BSPP	138.0	68.0
X3P7832HEDA	1498.00	38.47	250	250	2800/700	1" BSPP	3/4" BSPP	143.0	70.5
X3P7932HFEA	1498.00	43.44	221	221	2800/700	1.1/4" BSPP	1" BSPP	147.0	72.5
X3P8032HFEA	1498.00	47.16	204	204	2800/700	1.1/4" BSPP	1" BSPP	150.0	74.0
X3P8132HFEA	1569.00	50.88	189	189	2800/700	1.1/4" BSPP	1" BSPP	153.0	75.5
X3P8232HFEA	1569.00	54.60	176	176	2300/700	1.1/4" BSPP	1" BSPP	156.0	77.0
X3P8332HFEA	1569.00	60.81	158	158	2300/700	1.1/4" BSPP	1" BSPP	161.0	79.5
X3P8532HFEA	1569.00	64.53	149	149	2300/700	1.1/4" BSPP	1" BSPP	164.0	81.0
X3P8732HFFA	1641.00	74.46	129	129	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0

Group 3 Pump Seal Kit

Part #	List Price \$	Material
8KGX3P1.A	163.00	NBR
8KGX3P1.V	324.00	Viton



TECH DATA

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

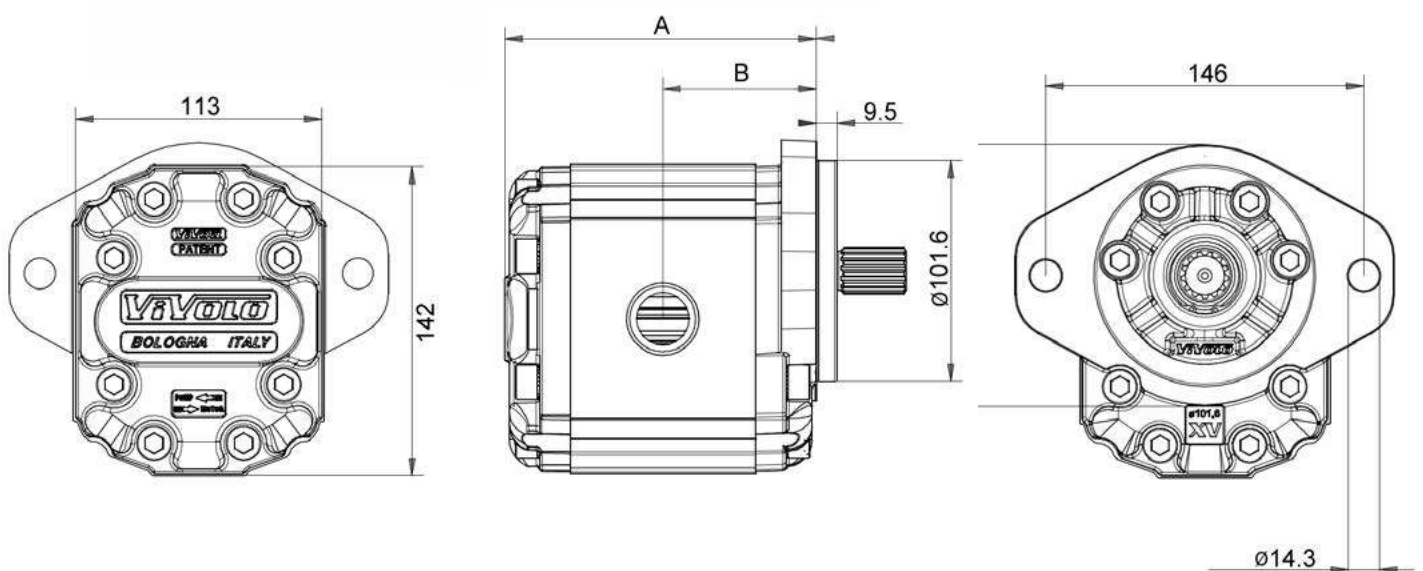
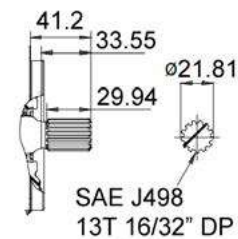
CW (standard) or CCW rotation available | Relief valves & tandem pumps available

Part #	List Price \$	CC	Maximum Pressure (bar)		Max/Min Speed (RPM)	Port S	Port P	Dimension (mm)	
			Working	Peak				A	B
X3P6632IDDA	1406.00	14.89	300	320	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3P6832IEDA	1406.00	17.37	300	320	3000/700	1" BSPP	3/4" BSPP	126.0	62.0
X3P7032IEDA	1406.00	21.10	280	300	3000/700	1" BSPP	3/4" BSPP	129.0	63.5
X3P7232IEDA	1406.00	26.97	250	270	3000/700	1" BSPP	3/4" BSPP	133.0	65.5
X3P7432IEDA	1406.00	32.27	250	270	3000/700	1" BSPP	3/4" BSPP	138.0	68.0
X3P7832IEDA	1498.00	38.47	250	270	2800/700	1" BSPP	3/4" BSPP	143.0	70.5
X3P7932IFEA	1498.00	43.44	250	270	2800/700	1.1/4" BSPP	1" BSPP	147.0	72.5
X3P8032IFEA	1498.00	47.16	230	250	2800/700	1.1/4" BSPP	1" BSPP	150.0	74.0
X3P8132IFEA	1569.00	50.88	230	250	2800/700	1.1/4" BSPP	1" BSPP	153.0	75.5
X3P8232IFEA	1569.00	54.60	230	250	2300/700	1.1/4" BSPP	1" BSPP	156.0	77.0
X3P8332IFEA	1569.00	60.81	230	232	2300/700	1.1/4" BSPP	1" BSPP	161.0	79.5
X3P8532IFEA	1569.00	64.53	210	218	2300/700	1.1/4" BSPP	1" BSPP	164.0	81.0
X3P8632IFEA	1641.00	70.74	199	199	2300/700	1.1/4" BSPP	1" BSPP	169.0	83.5
X3P8732IFFA	1641.00	74.46	180	189	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3P8932IFFA	1668.00	86.87	150	162	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	163.00	NBR
8KGX3P1.V	324.00	Viton



TECH
DATA

Group 1 Pump (European Standard) 4-Bolt Mount, 1:8 Tapered Shaft

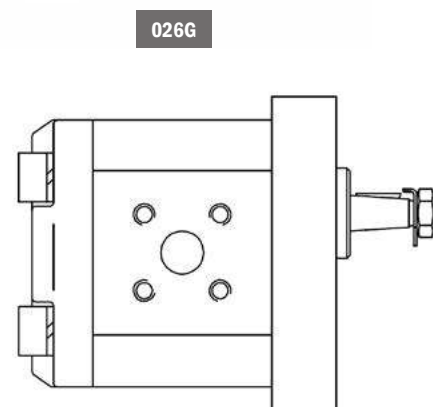
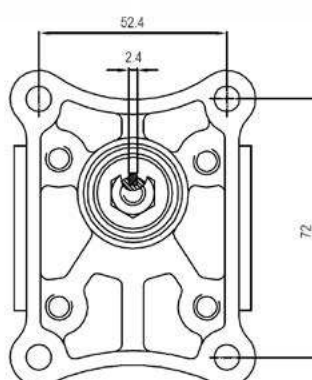
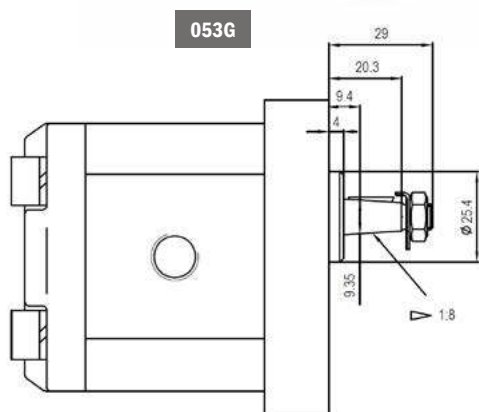
Part #	List Price \$	Part #	List Price \$	CC	Port		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
					Suction	Pressure			
10C1X053G	410.00	10C1X026	410.00	1	3/8"	3/8"	3500	250	1
10C1.25X053G	410.00	10C1.25X026	410.00	1.25	3/8"	3/8"	3500	250	1
10C1.6X053G	410.00	10C1.6X026	410.00	1.6	3/8"	3/8"	3500	250	1
10C2X053G	410.00	10C2X026	410.00	2	3/8"	3/8"	3500	250	1
10C2.5X053G	420.00	10C2.5X026	420.00	2.5	3/8"	3/8"	3500	250	1.1
10C3.15X053G	420.00	10C3.15X026	420.00	3.15	1/2"	3/8"	3500	250	1.1
10C3.65X053G	420.00	10C3.65X026	420.00	3.65	1/2"	3/8"	3500	250	1.2
10C4.2X053G	420.00	10C4.2X026	420.00	4.2	1/2"	3/8"	3500	250	1.2
10C5X053G	420.00	10C5X026	420.00	5	1/2"	3/8"	3000	250	1.2
10C5.7X053G	431.00	10C5.7X026	431.00	5.7	1/2"	3/8"	3000	200	1.3
10C6.1X053G	431.00	10C6.1X026	431.00	6.1	1/2"	3/8"	2500	200	1.3
10C7.4X053G	431.00	10C7.4X026	431.00	7.4	1/2"	3/8"	2500	180	1.4
10C8.5X053G	431.00	10C8.5X026	431.00	8.5	1/2"	3/8"	2000	150	1.5
10C9.8X053G	431.00	10C9.8X026	431.00	9.8	1/2"	3/8"	2000	120	1.6

✦ Additional charges apply to non-standard pumps

✦ For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 10C1X053G becomes 10A1X053G

Group 1 Pump Seal Kits & Port Adaptors

Part #	List Price \$	Description
GR105-SK	42.00	Seal kit
GR105-SS	11.00	Shaft seal only
G3/8	58.00	Port adaptor:
G1/2	58.00	Port adaptor: alloy elbow 2-bolt, mount PCD 30mm, female 1/2" BSPP



TECH DATA

Group 2 Pump (European Standard) 4-Bolt Mount, 1:8 Tapered Shaft

Part #	List Price \$	Part #	List Price \$	CC	Port		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
		Ports: Flanged			Suction	Pressure			
20C4.5X687G	546.00	20C4.5X006	546.00	4.5	1/2"	1/2"	3500	250	3.3
20C6.3X687G	546.00	20C6.3X006	546.00	6.3	1/2"	1/2"	3500	250	3.4
20C8.2X687G	546.00	20C8.2X006	546.00	8.2	1/2"	1/2"	3500	250	3.4
20C11X016G	546.00	20C11X006	546.00	11.3	3/4"	1/2"	3500	250	3.6
20C14X016G	557.00	20C14X006	557.00	14	3/4"	1/2"	3500	250	3.7
20C16X016G	557.00	20C16X006	557.00	16	3/4"	1/2"	2500	250	3.8
20C19X016G	557.00	20C19X006	557.00	19	3/4"	1/2"	2500	200	3.9
20C22X016G	557.00	20C22X006	557.00	22	3/4"	1/2"	2000	180	4.1
20C25X016HG	567.00	20C25X006H	567.00	25	3/4"	1/2"	2500	160	4.5
20C28X016HG	567.00	20C28X006H	567.00	28	1"	3/4"	2500	130	4.6
20C32X016HG	567.00	20C32X006H	567.00	32	1"	3/4"	2000	120	4.9
20C36X016HG	567.00	20C36X006H	567.00	36	1"	3/4"	2000	100	5

✂ Additional charges apply to non-standard pumps

✂ For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 20C4.5X687G becomes 20C4.5X687G

Group 2 Pump Seal Kits & Port Adaptors

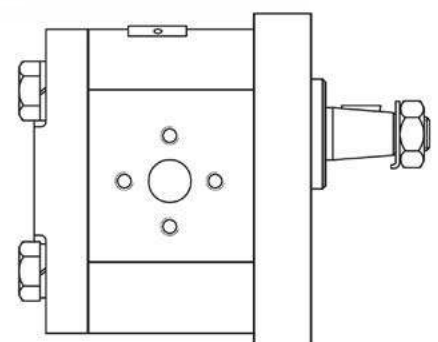
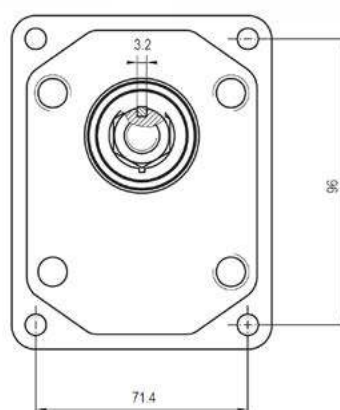
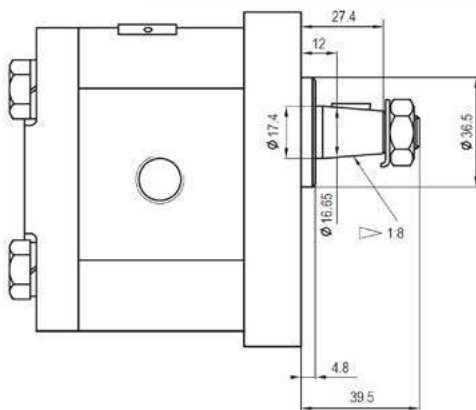
Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only
GR205-SST	42.00	Shaft seal high pressure (30 bar)
G1/2	58.00	Port adaptor: alloy elbow 2-bolt, mount PCD 30mm, female 1/2" BSPP
G3/4	58.00	Port adaptor: alloy elbow 2-bolt, mount PCD 40mm, female 3/4" BSPP
G1	79.00	Port adaptor: alloy elbow 2-bolt, mount PCD 50.8mm, female 1" BSPP



687G



006



**TECH
DATA**

Group 2 Pump (American Standard) SAE-A 2-Bolt Mount, 5/8" Shaft (Keyed or 9T Splined)

Part #	List Price \$	Part #	List Price \$	CC	Ports (BSPP)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
		Shaft: 9T Splined			Suction	Pressure			
20C4.5X030G	546.00	20C4.5X085G	546.00	4.5	1/2"	1/2"	3500	250	3.4
20C6.3X030G	546.00	20C6.3X085G	546.00	6.3	1/2"	1/2"	3500	250	3.5
20C8.2X030G	546.00	20C8.2X085G	546.00	8.2	1/2"	1/2"	3500	250	3.5
20C11X030G	546.00	20C11X085G	546.00	11.3	3/4"	1/2"	3500	250	3.7
20C14X030G	557.00	20C14X085G	557.00	14	3/4"	1/2"	3500	250	3.8
20C16X030G	557.00	20C16X085G	557.00	16	3/4"	1/2"	2500	250	3.9
20C19X030G	557.00	20C19X085G	557.00	19	3/4"	1/2"	2500	200	4
20C22X030G	557.00	20C22X085G	557.00	22	3/4"	1/2"	2000	180	4.2
20C25X030HG	567.00	20C25X085HG	567.00	25	3/4"	1/2"	2500	160	4.6
20C28X030HG	567.00	20C28X085HG	567.00	28	1"	3/4"	2500	130	4.7
20C32X030HG	567.00	20C32X085HG	567.00	32	1"	3/4"	2000	120	5
20C36X030HG	567.00	20C36X085HG	567.00	36	1"	3/4"	2000	100	5.1

 Additional charges apply to non-standard pumps

 For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 20C4.5X030G becomes 20A4.5X030G

Group 2 Pump Seal Kits

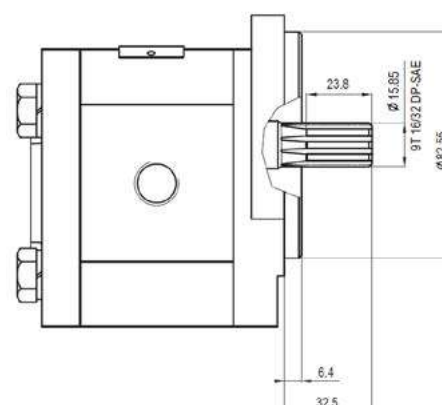
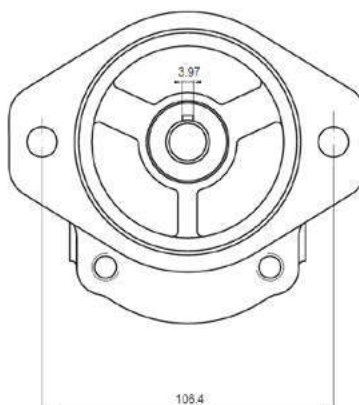
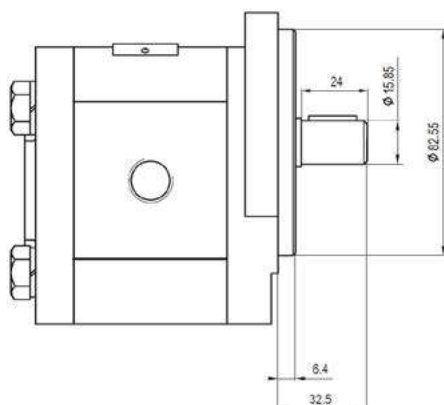
Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only



030G



085G



TECH DATA

Group 2 Pump (German Standard) 4-Bolt Mount, 1:5 Taper or 9T Splined Shaft

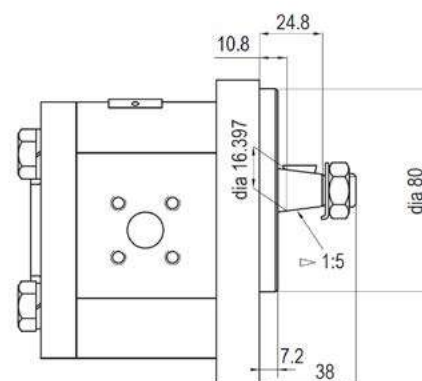
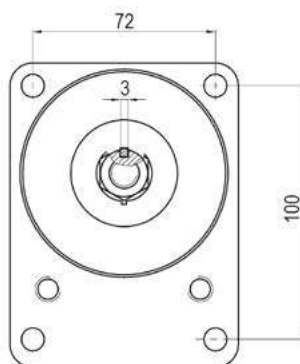
Part #	List Price \$	Part #	List Price \$	CC	Ports (Flanged)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)
		Shaft: 9T Splined			Suction	Pressure		
20A4.5X086	546.00	20A4.5X021	546.00	4.5	G206	G205	3500	250
20A6.3X086	546.00	20A6.3X021	546.00	6.3	G206	G205	3500	250
20A8.2X086	546.00	20A8.2X021	546.00	8.2	G206	G205	3500	250
20A11X086	546.00	20A11X021	546.00	11	G206	G205	3500	250
20A14X086	557.00	20A14X021	557.00	14	G206	G205	3500	250
20A16X086	557.00	20A16X021	557.00	16	G206	G205	2500	250
20A19X086	557.00	20A19X021	557.00	19	G206	G205	2500	200
20A22X086	557.00	20A22X021	557.00	22	G206	G205	2000	180
20A25X086H	567.00	20A25X021H	567.00	25	G206	G205	2500	160

Additional charges apply to non-standard pumps

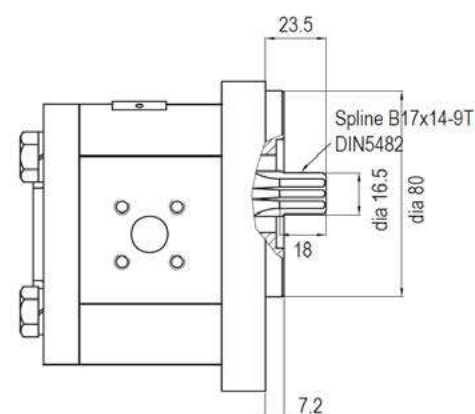
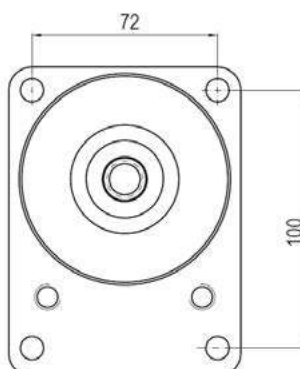
For clockwise (CW) pumps, replace the A in the part number with C, e.g. 20A4.5X086 becomes 20C4.5X086

Group 2 Pump Seal Kits & Port Adaptors

Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only
G205	68.00	Port adaptor: alloy elbow 4-bolt, mount PCD 35mm, female 1/2" BSPP
G206	79.00	Port adaptor: alloy elbow 4-bolt, mount PCD 40mm, female 3/4" BSPP



086



021

TECH
DATA

Group 2 Pump (German Standard) 2-Bolt KHD or IHC Mount, 1:5 Taper Shaft

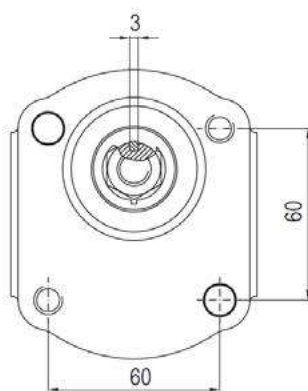
Part #	List Price \$	Part #	List Price \$	CC	Ports (Flanged)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)
					Suction	Pressure		
20A4.5X007	546.00	20A4.5X008	546.00	4.5	G206	G205	3500	250
20A6.3X007	546.00	20A6.3X008	546.00	6.3	G206	G205	3500	250
20A8.2X007	546.00	20A8.2X008	546.00	8.2	G206	G205	3500	250
20A11X007	546.00	20A11X008	546.00	11	G206	G205	3500	250
20A14X007	557.00	20A14X008	557.00	14	G206	G205	3500	250
20A16X007	557.00	20A16X008	557.00	16	G206	G205	2500	250
20A19X007	557.00	20A19X008	557.00	19	G206	G205	2500	200
20A22X007	557.00	20A22X008	557.00	22	G206	G205	2000	180
20A25X007H	567.00	20A25X008H	567.00	25	G206	G205	2500	160

Additional charges apply to non-standard pumps

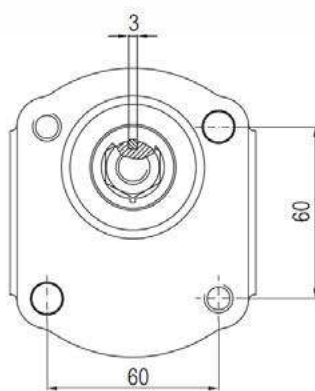
For clockwise (CW) pumps, replace the A in the part number with C, e.g. 20A4.5X007 becomes 20C4.5X007

Group 2 Pump Seal Kits & Port Adaptors

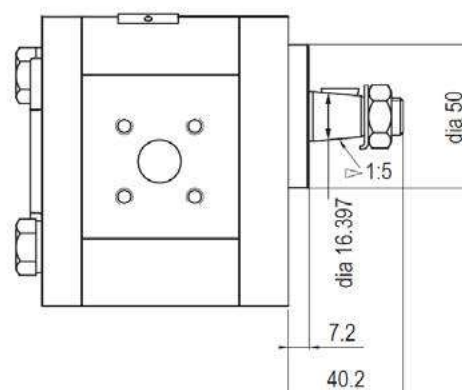
Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only
G205	68.00	Port adaptor: alloy elbow 4-bolt, mount PCD 35mm, female 1/2" BSPP
G206	79.00	Port adaptor: alloy elbow 4-bolt, mount PCD 40mm, female 3/4" BSPP



KHD Mount



IHC Mount



TECH DATA

Group 2 Pump (German Standard) 2-Bolt KHD or SAE-A Mount, 9T Splined Shaft (16.5mm or 5/8")

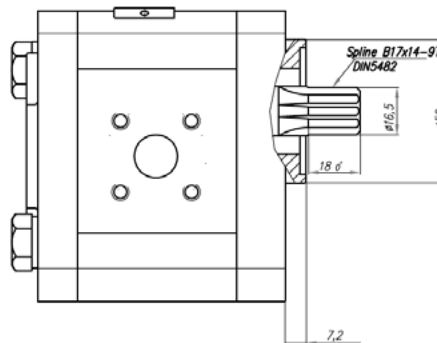
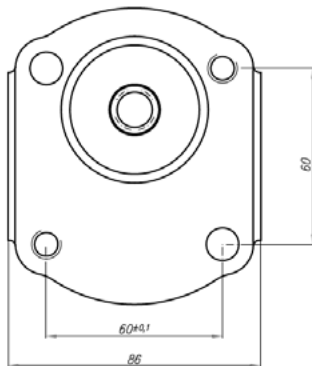
Part #	List Price \$	Part #	List Price \$	CC	Ports (Flanged)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)
		SAE-A, 5/8" 9T			Suction	Pressure		
20A4.5X205	546.00	20C4.5X104	546.00	4.5	G206	G205	3500	250
20A6.3X205	546.00	20C6.3X104	546.00	6.3	G206	G205	3500	250
20A8.2X205	546.00	20C8.2X104	546.00	8.2	G206	G205	3500	250
20A11X205	546.00	20C11X104	546.00	11	G206	G205	3500	250
20A14X205	557.00	20C14X104	557.00	14	G206	G205	3500	250
20A16X205	557.00	20C16X104	557.00	16	G206	G205	2500	250
20A19X205	557.00	20C19X104	557.00	19	G206	G205	2500	200
20A22X205	557.00	20C22X104	557.00	22	G206	G205	2000	180
20A25X205H	567.00	20C25X104H	567.00	25	G206	G205	2500	160

 Additional charges apply to non-standard pumps

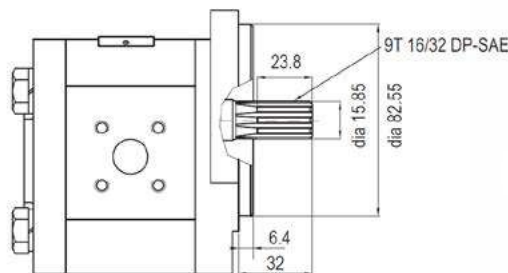
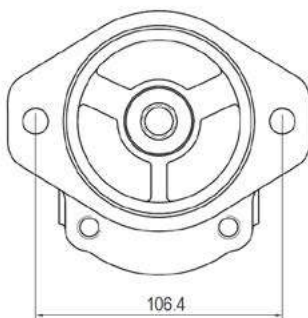
 For clockwise (CW) pumps, replace the A in the part number with C, e.g. 20A4.5X205 becomes 20C4.5X205 (and vice-versa)

Group 2 Pump Seal Kits & Port Adaptors

Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only
G205	68.00	Port adaptor: alloy elbow 4-bolt, mount PCD 35mm, female 1/2" BSPP
G206	79.00	Port adaptor: alloy elbow 4-bolt, mount PCD 40mm, female 3/4" BSPP



KHD Mount



SAE Mount



TECH DATA

Group 2 Pump SAE-A 2-Bolt Mount, 3/4" Shaft (11T Splined or Straight Keyed)

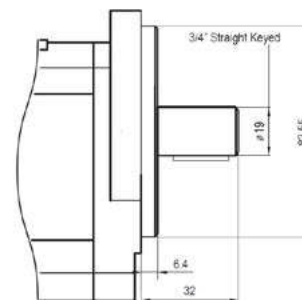
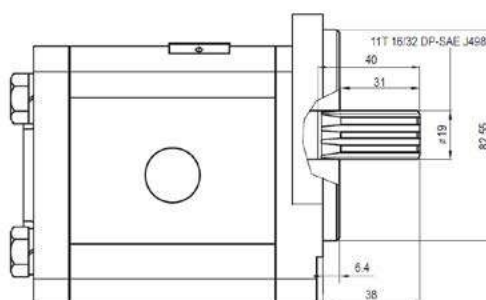
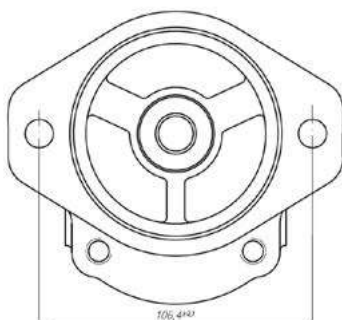
Part #	List Price \$	Part #	List Price \$	CC	Ports (UNF)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
					Suction	Pressure			
20C14X550HDU	557.00	20C14X853HDU	557.00	14	1.1/16"	7/8"	3500	250	4.2
20C16X550HDU	557.00	20C16X853HDU	557.00	16	1.1/16"	7/8"	3500	250	4.2
20C19X550HDU	557.00	20C19X853HDU	557.00	19	1.1/16"	7/8"	3500	230	4.3
20C22X550HDU	557.00	20C22X853HDU	557.00	22	1.1/16"	7/8"	3500	200	4.5
20C25X550HDU	567.00	20C25X853HDU	567.00	25	1.1/16"	7/8"	3500	200	4.9
20C28X550HDU	567.00	20C28X853HDU	567.00	28	1.5/16"	1.1/16"	2500	170	5
20C32X550HDU	567.00	20C32X853HDU	567.00	32	1.5/16"	1.1/16"	2500	150	5.3
20C36X550HDU	567.00	20C36X853HDU	567.00	36	1.5/16"	1.1/16"	2500	120	5.4

✦ Additional charges apply to non-standard pumps

✦ For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 20C14X550HDU becomes 20A14X550HDU

Group 2 Pump Seal Kits & Port Adaptors

Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only



TECH DATA

Group 2 Pump SAE-A 2-Bolt Mount, 17mm 10T Splined Shaft

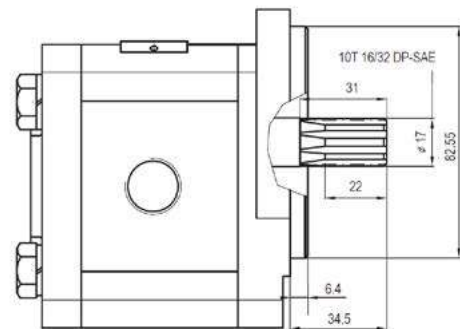
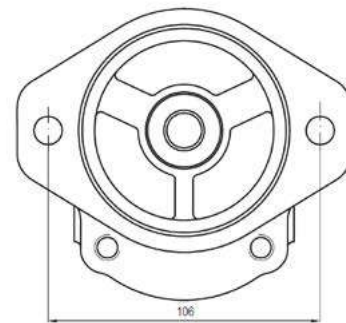
Part #	List Price \$	CC	Ports (BSPP)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
			Suction	Pressure			
20C8.2X554G	546.00	8.2	1/2"	1/2"	3500	250	3.5
20C11X554G	546.00	11.3	3/4"	1/2"	3500	250	3.7
20C14X554G	557.00	14	3/4"	1/2"	3500	250	3.8
20C16X554G	557.00	16	3/4"	1/2"	2500	250	3.9
20C19X554G	557.00	19	3/4"	1/2"	2500	200	4
20C22X554G	557.00	22	3/4"	1/2"	2000	180	4.2
20C25X554HG	567.00	25	3/4"	1/2"	2500	160	4.6
20C28X554HG	567.00	28	1"	3/4"	2500	130	4.7
20C32X554HG	567.00	32	1"	3/4"	2000	120	5

 Additional charges apply to non-standard pumps

 For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 20C8.2X554G becomes 20A8.2X554G

Group 2 Pump Seal Kits & Port Adaptors

Part #	List Price \$	Description
GR205-SK	74.00	Seal kit
GR205-SKV	137.00	Seal kit (viton)
GR205-SS	21.00	Shaft seal only
GR205-SSV	32.00	Shaft seal (viton) only



**TECH
DATA**

Group 3 Pump (European Standard) 4-Bolt Mount, 1:8 Tapered Shaft

Part #	List Price \$	Part #	List Price \$	CC	Port		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
		Ports: Flanged			Suction	Pressure			
30C20X163HG	987.00	30C20X146H	987.00	20	3/4"	3/4"	3000	250	8
30C25X163HG	987.00	30C25X146H	987.00	25	3/4"	3/4"	3000	250	8.2
30C32X163HG	987.00	30C32X146H	987.00	32	1"	3/4"	3000	250	8.8
30C36X163HG	998.00	30C36X146H	998.00	36	1"	3/4"	2800	250	9.1
30C42X163HG	998.00	30C42X146H	998.00	42	1"	3/4"	2500	230	9.3
30C46X163HG	998.00	30C46X146H	998.00	46	1"	3/4"	2300	230	9.6
30C50X163HG	1008.00	30C50X146H	1008.00	50	1"	3/4"	2100	200	9.8
30C55X163HG	1008.00	30C55X146H	1008.00	55	1"	3/4"	1750	200	9.9
30C60X163HG	1008.00	30C60X146H	1008.00	60	1"	3/4"	1750	180	10

Additional charges apply to non-standard pumps

For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 30C20X163HG becomes 30A20X163HG

Group 3 Pump Seal Kits & Port Adaptors

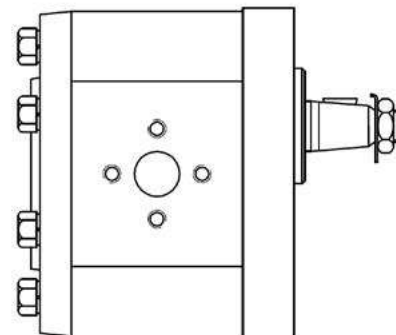
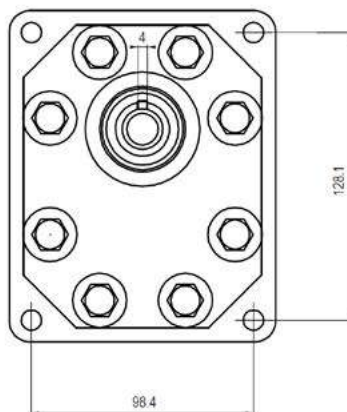
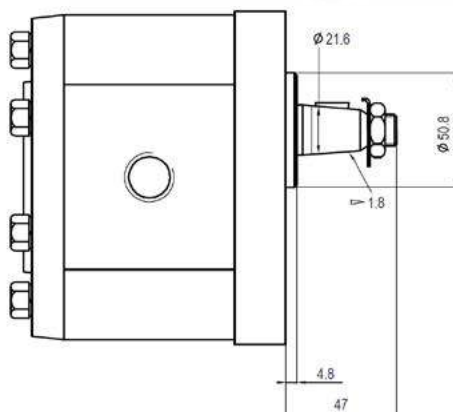
Part #	List Price \$	Description
GR305-SK	95.00	Seal kit
GR305-SKH	105.00	Seal kit - for H series
GR305-SKHV	126.00	Seal kit for H series (includes viton shaft seal)
GR305-SS	21.00	Shaft seal only
GR305-SSH	32.00	Shaft seal only - for H series
GR305-SSHV	63.00	Shaft seal only - for H series (includes viton shaft seal)
GR305-SST	84.00	Shaft seal only - high pressure (30 bar)
G3/4	58.00	Port adaptor: alloy elbow 2-bolt, mount PCD 40mm, female 3/4" BSPP
G1	79.00	Port adaptor: alloy elbow 2-bolt, mount PCD 50.8mm, female 1" BSPP



163HG



146H



TECH DATA

Group 3 Pump (American Standard) SAE-B 2-Bolt Mount, 7/8" Keyed or 13T Splined Shaft

Part #	List Price \$	Part #	List Price \$	CC	Port (BSPP)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
					Suction	Pressure			
30C20X237HG	1061.00	30C20X236HG	1061.00	20	3/4"	3/4"	3000	250	8.5
30C25X237HG	1061.00	30C25X236HG	1061.00	25	3/4"	3/4"	3000	250	8.7
30C32X237HG	1061.00	30C32X236HG	1061.00	32	1"	3/4"	3000	250	9.3
30C36X237HG	1071.00	30C36X236HG	1071.00	36	1"	3/4"	2800	250	9.6
30C42X237HG	1071.00	30C42X236HG	1071.00	42	1"	3/4"	2500	230	9.8
30C46X237HG	1071.00	30C46X236HG	1071.00	46	1"	3/4"	2300	230	10.1
30C50X237HG	1082.00	30C50X236HG	1082.00	50	1"	3/4"	2100	200	10.3
30C55X237HG	1082.00	30C55X236HG	1082.00	55	1"	3/4"	1750	200	10.4
30C60X237HG	1082.00	30C60X236HG	1082.00	60	1"	3/4"	1750	180	10.6

✦ Additional charges apply to non-standard pumps

✦ For counter-clockwise (CCW) pumps, replace the C in the part number with A, e.g. 30C20X237HG becomes 30A20X237HG

Group 3 Pump Seal Kits

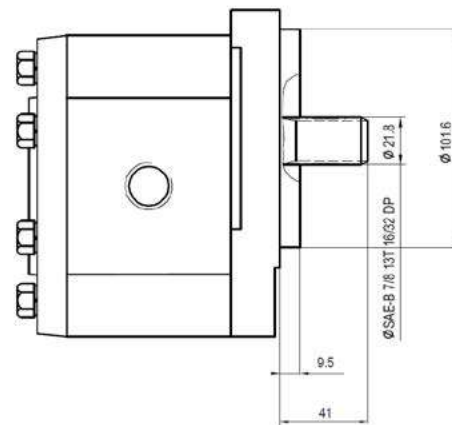
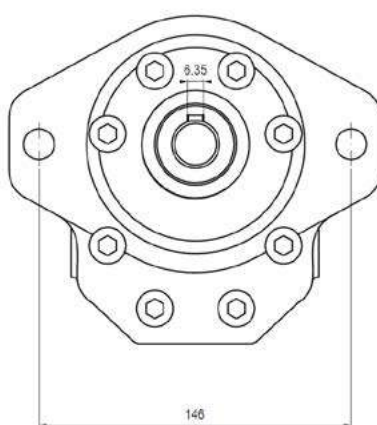
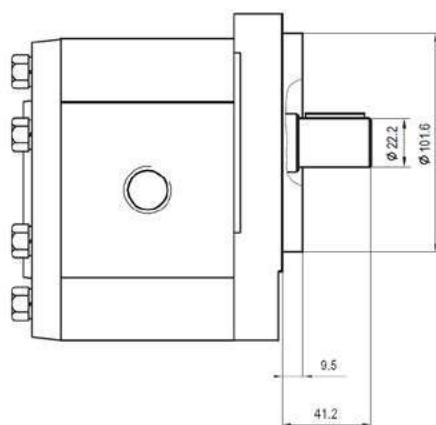
Part #	List Price \$	Description
GR305-SK	95.00	Seal kit
GR305-SKH	105.00	Seal kit - for H series
GR305-SS	21.00	Shaft seal only
GR305-SSH	32.00	Shaft seal only - for H series
GR305-SSHV	63.00	Shaft seal (viton) only - for H series



237HG



236HG



TECH DATA

Group 3 Pump (German Standard) 4-bolt Mount, 1:5 Tapered Shaft

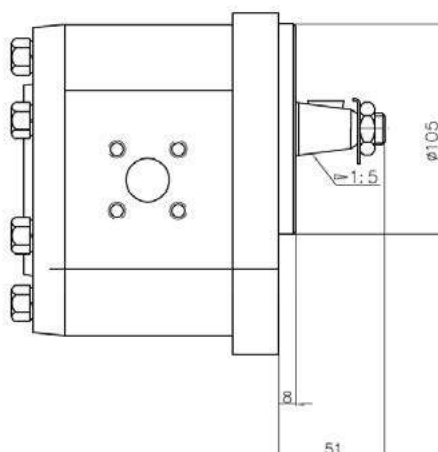
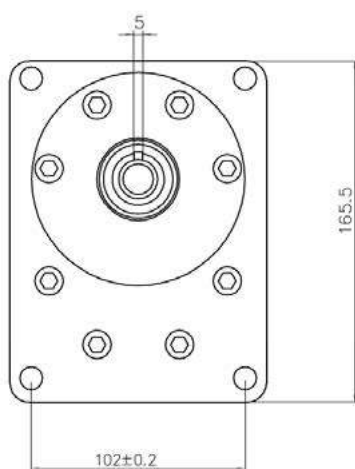
Part #	List Price \$	CC	Ports (Flanged)		Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
			Suction	Pressure			
30A25X337H	1103.00	25	G206	G206	3000	250	9.4
30A32X337H	1103.00	32	G207	G207	3000	250	10
30A36X337H	1113.00	36	G207	G207	2800	250	10.3
30A42X337H	1113.00	42	G207	G207	2500	230	10.5
30A46X337H	1113.00	46	G207	G207	2300	230	10.8
30A50X337H	1124.00	50	G207	G207	2100	200	11

✦ Additional charges apply to non-standard pumps

✦ For clockwise (CW) pumps, replace the A in the part number with C, e.g. 30A25X337H becomes 30C25X337H



 **caproni**
MADE IN EUROPE



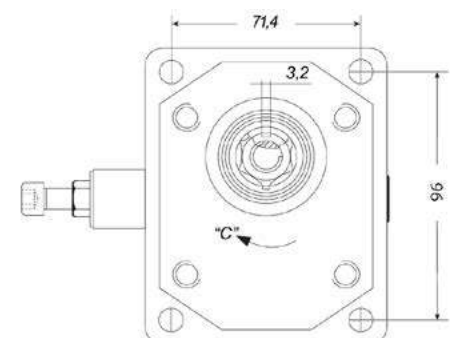
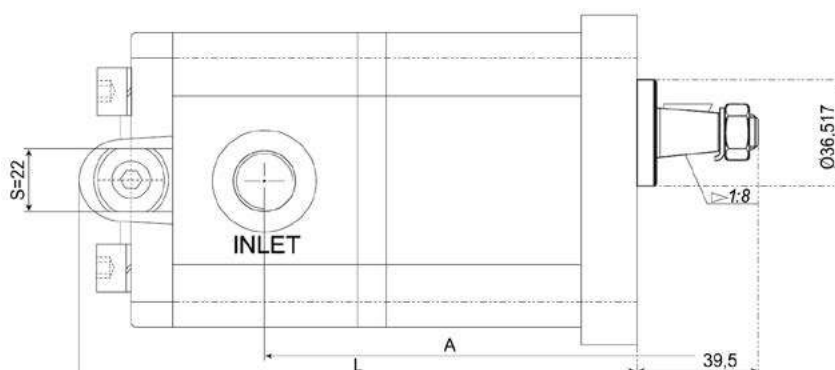
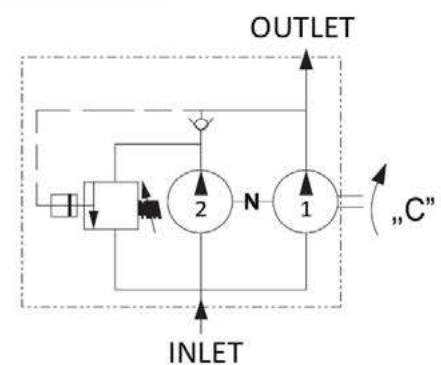
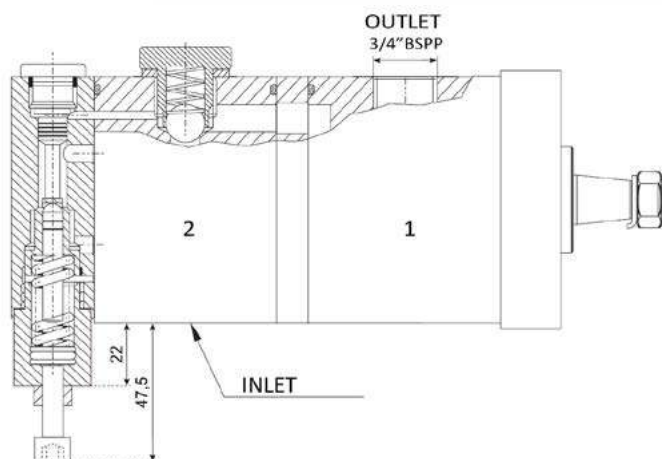
TECH DATA

Caproni Log Splitter Pumps

Part #	List Price \$	CC		Max Cont. Pressure		Max Cont. Speed	Unload Pressure Adjustment Range	Ports (BSPP)		Dimension (mm)	
		1	2	1	2			Inlet	Outlet	L	A
22C4.5/11X956GHL	1817.00	4.5	11	250 bar	50 bar	3500 rpm	20-50 bar	3/4"	3/4"	165.54	105
22C8.2/14X956GHL	1817.00	8.2	14	250 bar	50 bar	3500 rpm	20-50 bar	3/4"	3/4"	175.79	113.1
22C10/19X956GHL	1817.00	10	19	250 bar	50 bar	3500 rpm	20-50 bar	1"	3/4"	186.91	120.2
22C15/25X956GHL	1817.00	15	25	250 bar	50 bar	2500 rpm	20-50 bar	1"	3/4"	204.8	133.1



MADE IN EUROPE

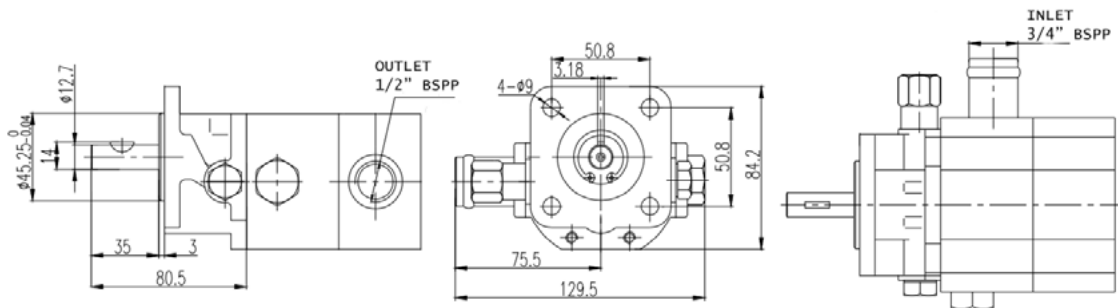


TECH
DATA

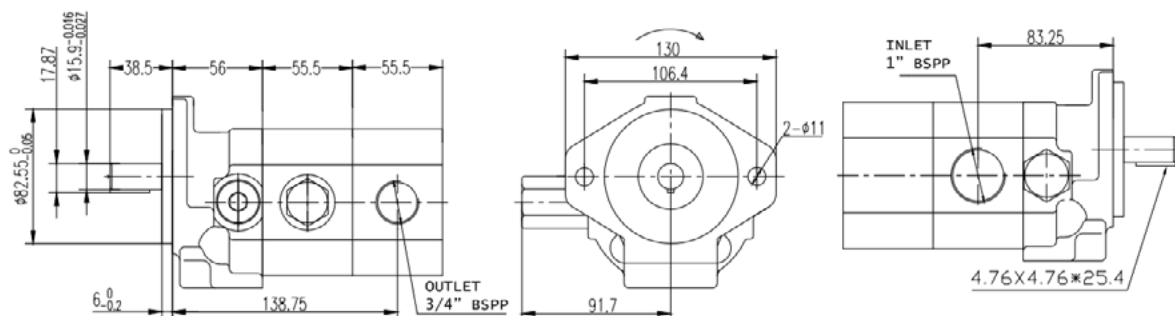
Log Splitter Pumps

Part #	List Price \$	CC Hi-Flow	CC Lo-Flow	Unload Pressure Range	Maximum Pressure	Inlet Port	Outlet Port
CBT8.8/2.1-L08-C	734.00	8.8	2.1	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT8.8/3.0-L08-C	734.00	8.8	3.0	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT13.0/2.1-L08-C	779.00	13.0	2.1	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT13.0/3.0-L08-C	779.00	13.0	3.0	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT13.0/4.2-L08-C	779.00	13.0	4.2	30-60 bar	200 bar	3/4" BSPP	1/2" BSPP
CBT15.2/7.6-L03-C	857.00	15.2	7.6	30-60 bar	200 bar	1" BSPP	3/4" BSPP
CBT22.9/7.6-L03-C	903.00	22.9	7.6	30-60 bar	200 bar	1" BSPP	3/4" BSPP

CBT8/13



CBT15/22



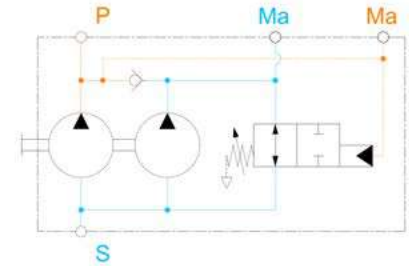
TECH DATA

Group 2 Hi-Lo Gear Pumps, 4-bolt DIN Mount, 1/8" Tapered Shaft

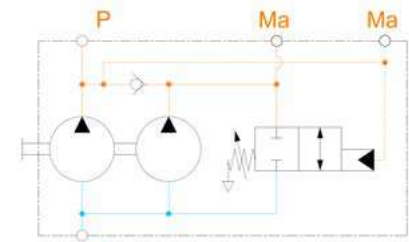
Part #	List Price \$	Maximum Torque (Nm)	Hi Flow (cc)	Lo Flow (cc)	Min/Max Speed (RPM)	Unloading Pressure Range (bar)	Max. Cont. Pressure (bar)	Inlet Port (BSPP)	Outlet Port (BSPP)	Ma Port (BSPP)	Mb Port (BSPP)	
9B202EGD4147	2410.00	86.2	10.8	4.2	700/3500	14-70	260	1"	3/4"	1/8"	1/4"	NEW
9B202EGD4149	2420.00	86.2	14.4	4.2	700/3500	14-70	260	1"	3/4"	1/8"	1/4"	NEW
9B202EGD4347	2440.00	86.2	10.8	6.0	700/3500	14-70	260	1"	3/4"	1/8"	1/4"	NEW
9B202EGD4551	2460.00	86.2	16.8	8.4	700/3500	14-70	260	1"	3/4"	1/8"	1/4"	NEW
9B202EGD4555	2480.00	86.2	22.9	8.4	700/2620	14-70	260	1"	3/4"	1/8"	1/4"	NEW



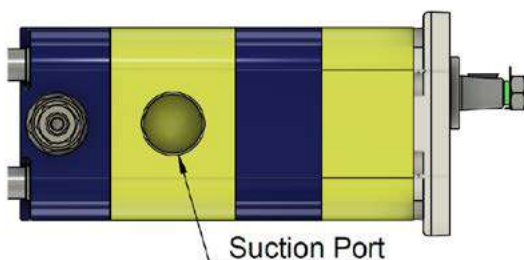
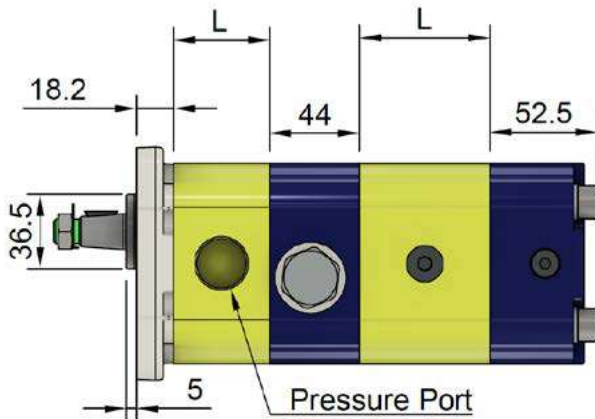
MADE IN EUROPE



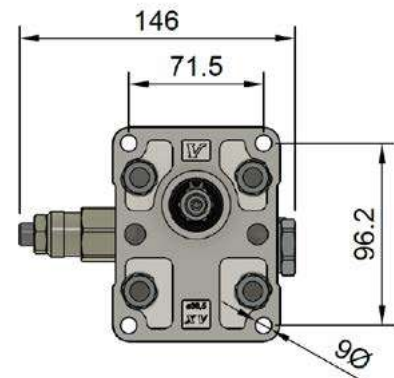
Hi-pressure / Lo-flow stage



Hi-flow / Lo-pressure stage



Dimensions							
Displacement (cc)	4.2	6.0	8.4	10.8	14.4	16.8	22.9
Dimension L (mm)	47	50	54	58	64	68	78



TECH
DATA

SERIES	BODY	NO. OF ELEMENTS	FLANGE/ROTATION	SHAFT	PORTS	REAR COVER	PUMP DISPLACEMENT (Add additional pumps as required)				TOTAL LIST PRICE \$
9	M	2	02	E	G	B	55	27	-	-	
List Price \$	-	153.00	-	-	-	184.00	749.00	552.00	-	-	1638.00

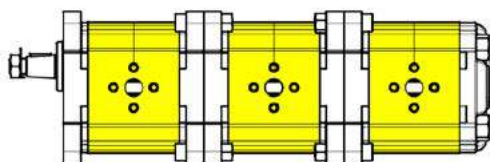
The example part number above (9M202EGB5527) has list price \$1638.00 and features:

- standard body
- pump elements x 2 (requires 2 + 1 pump connector kit)
- DIN flange, clockwise (right) rotation
- group 2 DIN 1:8 taper shaft
- BSPP ports
- rear cover suction port
- front pump group 2 (55cc), rear pump group 1 (27cc)

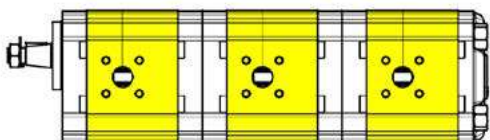


BODY SHAPE

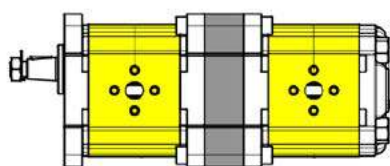
M	Standard
---	----------



S	Shaped
---	--------



T	Separated
---	-----------



NO. OF ELEMENTS

(select appropriate connector kit)

Elements	Pump Connector Kits	List Price \$		
		M	S	T
2+	Group 0 + Group 0	76.00	n/a	n/a
	1 + 0	368.00	n/a	n/a
	1 + 1	91.00	189.00	441.00
	2 + 1	153.00	n/a	714.00
	2 + 0	436.00	n/a	n/a
	2 + 2	99.00	273.00	546.00
	3 + 1	286.00	n/a	n/a
	3 + 0	525.00	n/a	n/a
	3 + 2	275.00	399.00	615.00
	3 + 3	252.00	n/a	n/a

FLANGE/ROTATION

DIN - CW	DIN - CCW	SAE - CW	SAE - CCW	PUMP GROUP
02	01	-	-	Group 0
02	01	62	61	Group 1
02	01	52	51	Group 2
02	01	32	31	Group 3

PORTS

G	BSPP
---	------

Other port options available ex-Vivoil on request

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

Other shaft options available ex-Vivoil on request

REAR COVER

		List Price \$		
		GROUP 1	GROUP 2	GROUP 3
A	Standard blank cover	no charge	no charge	no charge
B	Rear suction port	184.00	193.00	465.00
C	Rear pressure port	184.00	193.00	465.00
D	Rear suction & pressure ports	184.00	193.00	465.00
O	Rear relief with internal drain	390.00	479.00	n/a

PUMP DISPLACEMENT

GROUP 0 PUMP (cc)		List Price \$	GROUP 1 PUMP (cc)		List Price \$	GROUP 2 PUMP (cc)		List Price \$	GROUP 3 PUMP (cc)		List Price \$
01	0.16	491.00	16	0.91	552.00	41	4.20	712.00	66	14.89	1475.00
02	0.24	491.00	17	1.17	552.00	43	6.00	712.00	68	17.37	1475.00
04	0.45	491.00	18	1.56	552.00	45	8.40	712.00	70	21.10	1475.00
05	0.56	491.00	20	2.08	552.00	47	10.80	736.00	72	26.97	1475.00
06	0.75	491.00	21	2.60	552.00	49	14.40	736.00	74	32.27	1475.00
07	0.92	491.00	23	3.12	552.00	51	16.80	736.00	78	38.47	1572.00
09	1.26	541.00	25	3.64	552.00	53	19.20	749.00	79	43.44	1572.00
11	1.48	541.00	27	4.16	552.00	55	22.80	749.00	80	47.16	1572.00
13	2.28	541.00	29	4.94	583.00	57	26.20	749.00	81	50.88	1646.00
			31	5.85	583.00	59	30.00	839.00	82	54.60	1646.00
			32	6.50	583.00	61	34.20	839.00	83	60.81	1646.00
			34	7.54	583.00	63	39.60	839.00	85	64.53	1646.00
			36	9.88	583.00				86	70.74	1723.00
									87	74.46	1723.00
									89	86.87	1866.00



TECH DATA

No. OF ELEMENTS (IN PUMP GROUP SEQUENCE)			ROTATION	PUMP 1 DISP.	PUMP 1 CODE		PUMP 2 DISP.	PUMP 2 CODE		PUMP 3 DISP.	PUMP 3 CODE	TOTAL LIST PRICE \$
3	2	1	C	20	X198HG	/	6.3	X226G	/	1.25	X142G	
				1092.00			630.00			494.00		2216.00

Example part number above (321C20X198HG/6.3X226G/1.25X142G) has list \$2216.00 and features:

3 pumps, clockwise rotation, 4-bolt Euro mount, 1:8 tapered shaft, BSPP threaded ports

Front: Group 3 pump 20cc, Middle: Group 2 pump, 6.3cc, Rear: Group 1 pump 1.25cc

PUMP ELEMENT GROUP CODES

1	Group 1
2	Group 2
3	Group 3

ROTATION

C	Clockwise
A	Anti-Clockwise

 Repeat this section for each element.

Example: 332 represents Group 3/Group 3/Group 2 pumps

PUMP DISPLACEMENT

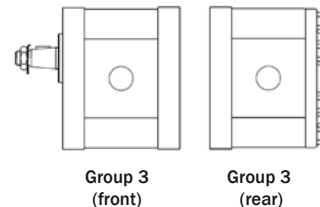
GROUP 1 PUMP (cc)		List Price \$	GROUP 2 PUMP (cc)		List Price \$	GROUP 3 PUMP (cc)		List Price \$
1	1.0cc	494.00	4.5	4.5cc	630.00	20	20.0cc	1092.00
1.25	1.25cc	494.00	6.3	6.3cc	630.00	25	25.0cc	1092.00
1.6	1.6cc	494.00	8.2	8.2cc	630.00	32	32.0cc	1092.00
2	2cc	494.00	11	11.0cc	630.00	36	36.0cc	1103.00
2.5	2.5cc	504.00	14	14.0cc	641.00	42	42.0cc	1103.00
3.15	3.15cc	504.00	16	16.0cc	641.00	46	46.0cc	1103.00
3.65	3.65cc	504.00	19	19.0cc	641.00	50	50.0cc	1113.00
4.2	4.2cc	504.00	22	22.0cc	641.00	55	55.0cc	1113.00
5	5.0cc	504.00	25	25.0cc	651.00	60	60.0cc	1113.00
5.7	5.7cc	515.00						
6.1	6.1cc	515.00						

 Each displacement MUST be configured with a design code. This MUST be repeated for each element.

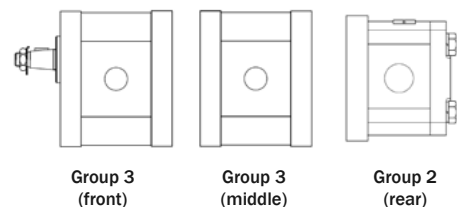
Example: 4.5156G/5142G



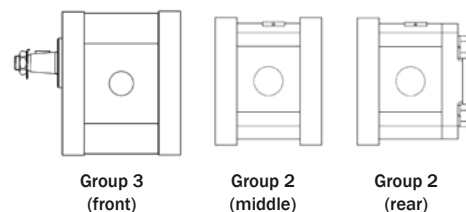
Pump Combination: Group 3 + Group 3			PUMP 1 CODE	PUMP 2 CODE
Shafts	Mounting	Ports		
1:8 tapered	4-bolt Euro	BSPP threaded	X241HG	X242HG
7/8" 13T splined	2-bolt SAE-B	BSPP threaded	X309HG	X242HG



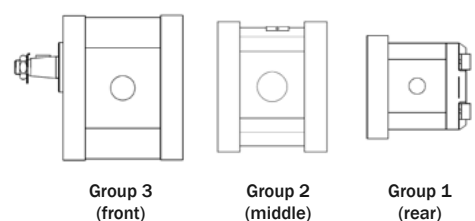
Pump Combination: Group 3 + Group 3 + Group 2			PUMP 1 CODE	PUMP 2 CODE	PUMP 3 CODE
Shafts	Mounting	Ports			
1:8 Tapered	4-bolt Euro	BSPP threaded	X241HG	X325HG	X201G
7/8" 13T Splined	2-bolt SAE-B	BSPP threaded	X309HG	X325HG	X201G



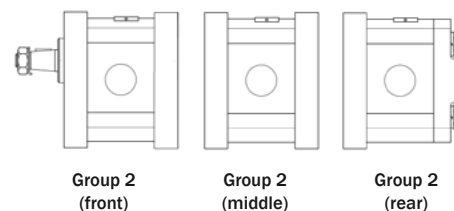
Pump Combination: Group 3 + Group 2 + Group 2			PUMP 1 CODE	PUMP 2 CODE	PUMP 3 CODE
Shafts	Mounting	Ports			
1:8 Tapered	4-bolt Euro	BSPP threaded	X198HG	X327G	X201G
7/8" 13T Splined	2-bolt SAE-B	BSPP threaded	X245HG	X327G	X201G



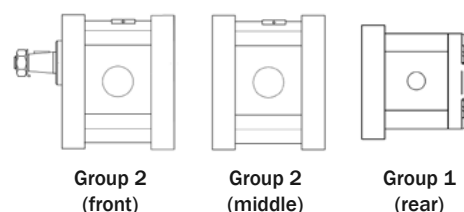
Pump Combination: Group 3 + Group 2 + Group 1			PUMP 1 CODE	PUMP 2 CODE	PUMP 3 CODE
Shafts	Mounting	Ports			
1:8 Tapered	4-bolt Euro	BSPP threaded	X198HG	X226G	X142G
7/8" 13T Splined	2-bolt SAE-B	BSPP threaded	X245HG	X226G	X142G



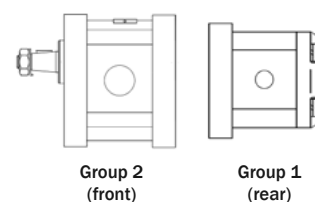
Pump Combination: Group 2 + Group 2 + Group 2			PUMP 1 CODE	PUMP 2 CODE	PUMP 3 CODE
Shafts	Mounting	Ports			
1:8 tapered	4-bolt Euro	BSPP threaded	X111G	X156G	X110G
1:8 tapered	4-bolt Euro	Flanged - diamond	X067	X156	X066
1:5 tapered	4-bolt German	Flanged German - square	X158	X156B	X161
1:5 tapered	2-bolt German KHD	Flanged German - square	X095	X156B	X097
16.5mm 9T splined	4-bolt German	Flanged German - square	X124	X156B	X077
16.5mm 9T splined	2-bolt German KHD	Flanged German - square	X096	X156B	X097
5/8" keyed	2-bolt SAE-A	BSPP threaded	X457G	X156G	X110G
5/8" 9T splined	2-bolt SAE-A	BSPP threaded	X167G	X156G	X110G
5/8" 9T splined	2-bolt SAE-A	Flanged German - square	X468	X156B	X077
17.4mm 10T splined	2-bolt SAE-A	BSPP threaded	X574G	X156G	X110G
16.8mm 15T splined	4-bolt German	Flanged German - square	X259	X156B	X097
3/4" 11T splined	2-bolt SAE-A	BSPP threaded	656HG	-	X110G



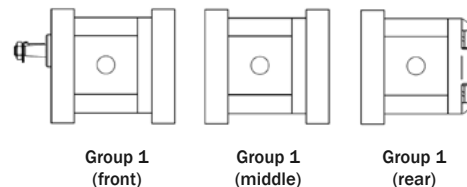
Pump Combination: Group 2 + Group 2 + Group 1			PUMP 1 CODE	PUMP 2 CODE	PUMP 3 CODE
Shafts	Mounting	Ports			
1:8 Tapered	4-bolt Euro	BSPP threaded	X111G	X178G	X142G
1:8 Tapered	4-bolt Euro	Flanged - diamond	X067	X178	X179



Pump Combination: Group 2 + Group 1			PUMP 1 CODE	PUMP 2 CODE
Shafts	Mounting	Ports		
1:8 Tapered	4-bolt Euro	BSPP threaded	X141G	X142G
1:8 Tapered	4-bolt Euro	Flanged - diamond	X168	X179



Pump Combination: Group 1 + Group 1 + Group 1			PUMP 1 CODE	PUMP 2 CODE	PUMP 3 CODE
Shafts	Mounting	Ports			
1:8 Tapered	4-bolt Euro	BSPP threaded	X181G	X303G	X182G
1:8 Tapered	4-bolt Euro	Flanged - square	X174	X303	X175



Pump Connector Kits		
Part #	List Price \$	Connection
G3-COUPLING	63.00	Group 3 + Group 3
G2-COUPLING	63.00	Group 3 + Group 2
	63.00	Group 2 + Group 2
G2-1COUPLING	42.00	Group 2 + Group 1
G1-COUPLING	42.00	Group 1 + Group 1

Group 1 Pump Seal Kits		
Part #	List Price \$	Description
GR105-SK	42.00	Seal kit - includes all seals for a single Group 1 section of a multiple pump (use one kit per section)

Group 2 Pump Seal Kits		
Part #	List Price \$	Description
GR205-SK	74.00	Seal kit - includes all seals for a Group 2 front pump
GR205M-SK	63.00	Seal kit - includes all seals for a Group 2 middle pump used in a Group 2+2+2 arrangement
GR205R-SK	63.00	Seal kit - includes all seals for a Group 2 rear pump used in a Group 2+2 or 2+2+2 arrangement
GR205FHU-SK	63.00	Seal kit - series 656DU only. Includes all seals for front pump section. Rear pump requires GR205R-SK kit.
GR105-SK	42.00	Seal kit - includes all seals for a Group 1 rear section used in a Group 2+1 arrangement

Group 3 Pump Seal Kits		
Part #	List Price \$	Description
GR305F-SKH	126.00	Seal kit - includes all seals for a Group 3 front pump
GR305R-SK	168.00	Seal kit - includes all seals for a Group 3 middle or rear pump
GR205R-SK	63.00	Seal kit - includes all seals for a Group 2 rear pump used in a Group 3+2 arrangement

TECH
DATA

SERIES	ROTATION		PORTS		MOTOR CODE			PUMP CODE			NEW
X1MP	01		G		16			16			
					Displacement (cc)		List Price \$	Displacement (cc)		List Price \$	
	01	CW	G	BSPP	16	0.91	1051.00	16	0.91	815.00	
	02	CCW			17	1.17	1051.00	17	1.17	815.00	
					18	1.56	1051.00	18	1.56	815.00	
					20	2.08	1051.00	20	2.08	815.00	
					21	2.60	1051.00	21	2.60	815.00	
					23	3.12	936.00	23	3.12	815.00	
					25	3.64	936.00	25	3.64	815.00	
					27	4.16	936.00	27	4.16	815.00	
					29	4.94	964.00	29	4.94	850.00	
					31	5.85	964.00	31	5.85	850.00	
					32	6.50	964.00	32	6.50	850.00	
					34	7.54	964.00	34	7.54	850.00	
					36	9.88	964.00	36	9.88	850.00	



Cost of joiner kit is included in above pricing

Group 1 to Group 1 Hydraulic Driven Gear Pump

Pump & Motor					Pump		Motor		Connector
Displacement (cc)	Max Torque (Nm)	Max Pressure (bar)		Max/Min Speed (RPM)	Ports (BSPP)		Ports (BSPP)		Case Drain (BSPP)
		Working	Peak		S	P	Inlet/Outlet	Case Drain	
0.91	42.8	240	280	700/6000	3/8"	3/8"	3/8"	1/4"	1/8"
1.17	42.8	250	290	700/6000	3/8"	3/8"	3/8"	1/4"	1/8"
1.56	42.8	250	290	700/6000	3/8"	3/8"	3/8"	1/4"	1/8"
2.08	42.8	250	290	700/6000	3/8"	3/8"	3/8"	1/4"	1/8"
2.60	42.8	250	300	700/6000	3/8"	3/8"	3/8"	1/4"	1/8"
3.12	42.8	250	300	700/6000	1/2"	3/8"	3/8"	1/4"	1/8"
3.64	42.8	250	300	700/6000	1/2"	3/8"	3/8"	1/4"	1/8"
4.16	42.8	250	300	700/6000	1/2"	3/8"	3/8"	1/4"	1/8"
4.94	42.8	250	300	700/6000	1/2"	3/8"	3/8"	1/4"	1/8"
5.85	42.8	250	300	700/5000	1/2"	3/8"	3/8"	1/4"	1/8"
6.50	42.8	250	300	700/5000	1/2"	3/8"	3/8"	1/4"	1/8"
7.54	42.8	220	260	700/5000	1/2"	3/8"	3/8"	1/4"	1/8"
9.88	42.8	190	330	700/4000	1/2"	3/8"	3/8"	1/4"	1/8"



MADE IN EUROPE

TECH
DATA

SERIES	ROTATION		PORTS		MOTOR CODE			PUMP CODE			NEW
X2MP	01		G		41			41			
					Displacement (cc)		List Price \$	Displacement (cc)		List Price \$	
	01	CW	G	BSPP	41	4.2	1244.00	41	4.20	1123.00	
	02	CCW			43	6.0	1244.00	43	6.00	1123.00	
					45	8.4	1244.00	45	8.40	1123.00	
					47	10.8	1244.00	47	10.80	1145.00	
					49	14.4	1259.00	49	14.40	1145.00	
					51	16.8	1259.00	51	16.80	1145.00	
					53	19.2	1302.00	53	19.20	1159.00	
					55	22.8	1302.00	55	22.80	1159.00	
					57	26.2	1302.00	57	26.20	1159.00	
					59	30.0	1387.00	59	30.00	1244.00	
					61	34.2	1387.00	61	34.20	1244.00	
					63	39.6	1387.00	63	39.60	1244.00	





Cost of joiner kit is included in above pricing

Group 2 to Group 2 Hydraulic Driven Gear Pump

Pump & Motor					Pump		Motor		Connector
Displacement (cc)	Max Torque (Nm)	Max Pressure (bar)		Max/Min Speed (RPM)	Ports (BSPP)		Ports (BSPP)		Case Drain (BSPP)
		Working	Peak		S	P	Inlet/Outlet	Case Drain	
4.2	86.1	260	300	700/3500	1/2"	1/2"	1/2"	1/4"	1/4"
6.0	86.1	260	300	700/3500	1/2"	1/2"	1/2"	1/4"	1/4"
8.4	86.1	260	300	700/3500	3/4"	1/2"	1/2"	1/4"	1/4"
10.8	86.1	260	300	700/3500	3/4"	1/2"	1/2"	1/4"	1/4"
14.4	86.1	249	249	700/3500	3/4"	1/2"	3/4"	1/4"	1/4"
16.8	86.1	213	213	700/3500	1"	3/4"	3/4"	1/4"	1/4"
19.2	86.1	187	187	700/3000	1"	3/4"	3/4"	1/4"	1/4"
22.8	86.1	157	157	700/3000	1"	3/4"	3/4"	1/4"	1/4"
26.2	86.1	137	137	700/3000	1"	3/4"	1"	1/4"	1/4"
30.0	86.1	119	119	700/2500	1"	3/4"	1"	1/4"	1/4"
34.2	86.1	105	105	700/2500	1"	3/4"	1"	1/4"	1/4"
39.6	86.1	90	90	700/2000	1"	3/4"	1"	1/4"	1/4"

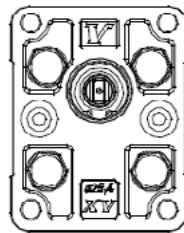


Series	Group	Motor	DISP.	FLANGE	SHAFT	INLET	OUTLET	REAR
X	1	M	27	01	F	B	B	E

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

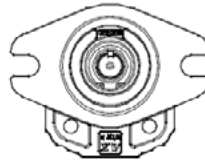
FLANGE
01

DIN Group 1



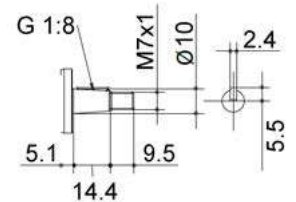
02

SAE-AA



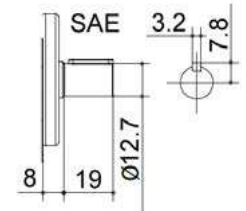
SHAFT
F

Tapered
1:8 Ø 10mm
M7x1
Key 2.4mm
Shaft Torque
43Nm



B

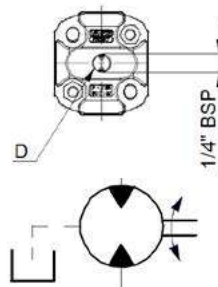
Parallel
Ø 1/2"
Key 3.2mm
Shaft Torque
32.8Nm



PORTS		
INLET	OUTLET	
B	B	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: 3/8" BSPP		

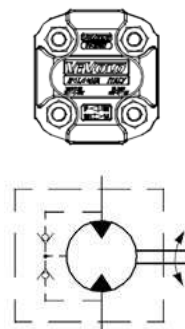
REAR COVER
E

External drain



F

Internal drain

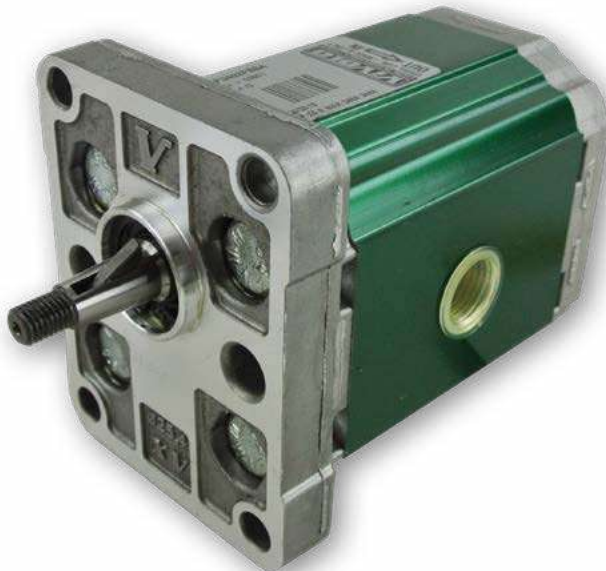


Additional costs apply for non-standard options

TECH DATA

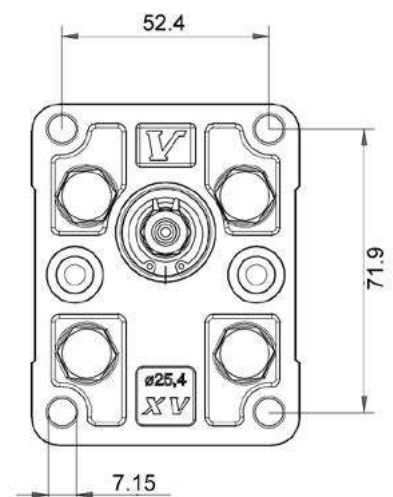
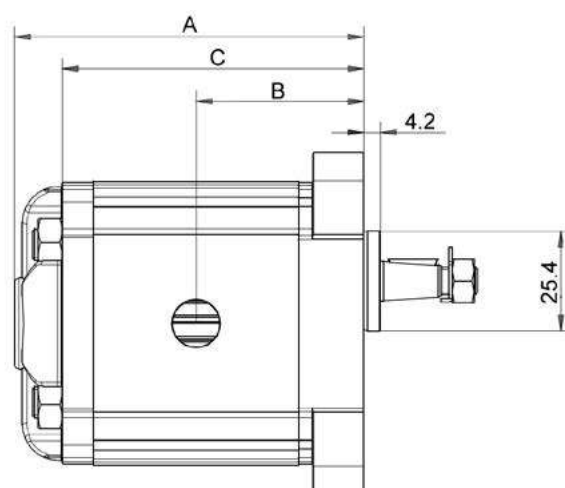
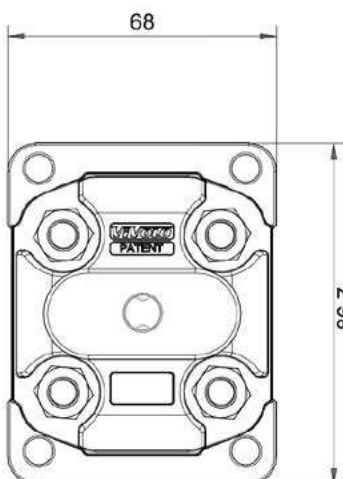
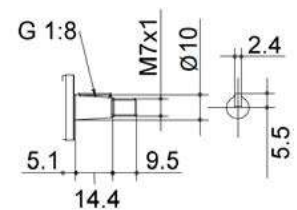
Group 1 Motor DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)		
			Inlet	Drain					A	B	C
X1M1601FBBE	743.00	0.91	240	6	30	6000/700	3/8" BSPP	3/8" BSPP	78.1	37.3	66.1
X1M1701FBBE	743.00	1.17	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	79.0	37.8	67.0
X1M1801FBBE	743.00	1.56	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	80.5	38.5	68.5
X1M2001FBBE	743.00	2.08	250	6	25	6000/700	3/8" BSPP	3/8" BSPP	82.5	39.5	70.5
X1M2101FBBE	743.00	2.60	250	6	20	6000/700	3/8" BSPP	3/8" BSPP	84.5	40.5	72.5
X1M2301FBBE	628.00	3.12	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	86.5	41.5	74.5
X1M2501FBBE	628.00	3.64	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	88.5	42.5	76.5
X1M2701FBBE	628.00	4.16	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	90.5	43.5	78.5
X1M2901FBBE	656.00	4.94	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	93.5	45.0	81.5
X1M3101FBBE	656.00	5.85	250	6	15	5000/700	3/8" BSPP	3/8" BSPP	97.0	46.8	85.0
X1M3201FBBE	656.00	6.50	250	6	10	5000/700	3/8" BSPP	3/8" BSPP	98.5	48.0	86.5
X1M3401FBBE	656.00	7.54	220	6	10	5000/700	3/8" BSPP	3/8" BSPP	103.5	50.0	91.5
X1M3601FBBE	656.00	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	55.00	NBR
8KGX1M1.V	158.00	Viton



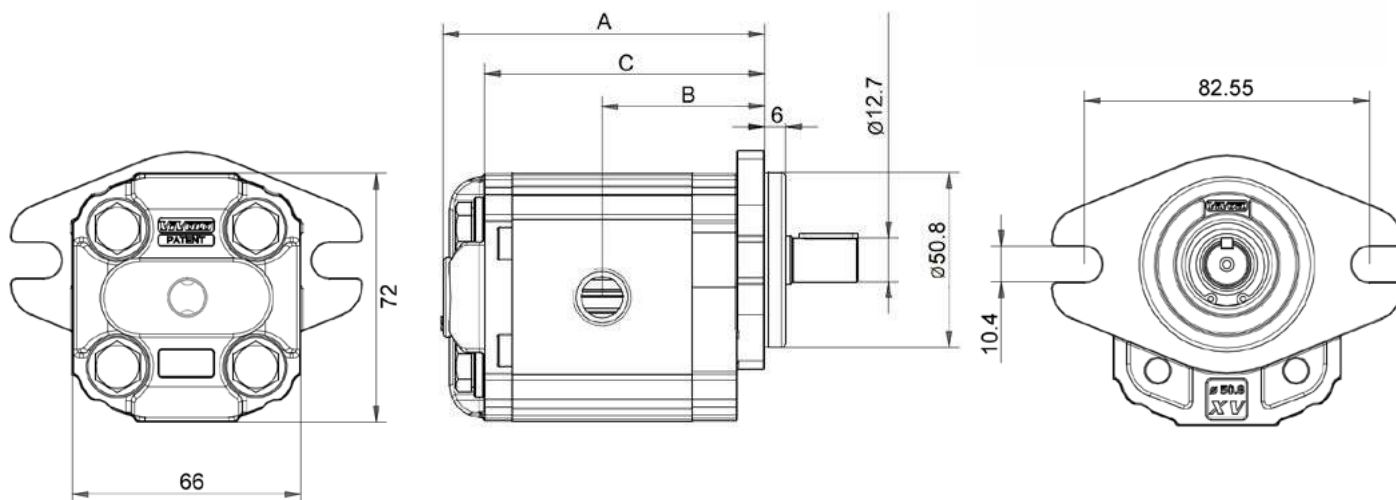
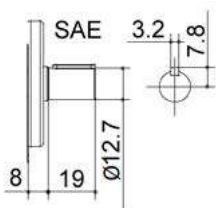
TECH DATA

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

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)		
			Inlet	Drain					A	B	C
X1M1661BBBE	743.00	0.91	240	6	30	6000/700	3/8" BSPP	3/8" BSPP	82.6	41.8	70.6
X1M1761BBBE	743.00	1.17	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	83.5	42.3	71.5
X1M1861BBBE	743.00	1.56	250	6	30	6000/700	3/8" BSPP	3/8" BSPP	85.0	43.0	73.0
X1M2061BBBE	743.00	2.08	250	6	25	6000/700	3/8" BSPP	3/8" BSPP	87.0	44.0	75.0
X1M2161BBBE	743.00	2.60	250	6	20	6000/700	3/8" BSPP	3/8" BSPP	89.0	45.0	77.0
X1M2361BBBE	628.00	3.12	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	91.0	46.5	79.0
X1M2561BBBE	628.00	3.64	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	93.0	47.0	81.0
X1M2761BBBE	628.00	4.16	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	95.0	48.0	83.0
X1M2961BBBE	656.00	4.94	250	6	15	6000/700	3/8" BSPP	3/8" BSPP	98.0	49.5	86.0
X1M3161BBBE	656.00	5.85	250	6	15	5000/700	3/8" BSPP	3/8" BSPP	101.5	51.3	89.5
X1M3261BBBE	656.00	6.50	250	6	10	5000/700	3/8" BSPP	3/8" BSPP	105.0	52.5	93.0
X1M3461BBBE	656.00	7.54	220	6	10	5000/700	3/8" BSPP	3/8" BSPP	108.0	54.5	96.0
X1M3661BBBE	656.00	9.88	177	6	10	4000/700	3/8" BSPP	3/8" BSPP	117.0	59.0	105.0

Group 1 Motor Seal Kit

Part #	List Price \$	Material
8KGX1M1.A	55.00	NBR
8KGX1M1.V	158.00	Viton



SERIES	GROUP	MOTOR	DISP.	FLANGE	SHAFT	INLET	OUTLET	REAR
X	2	M*	51	31	A	C	C	F

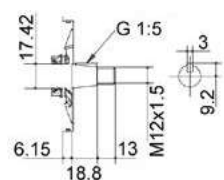
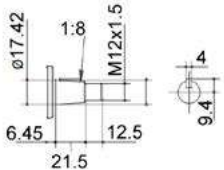
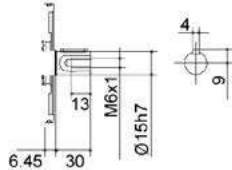
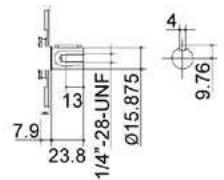
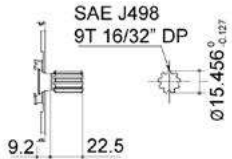
* for uni-direction motors, replace the **M** with a **U** and select the flange code from the pump group on page 144

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

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

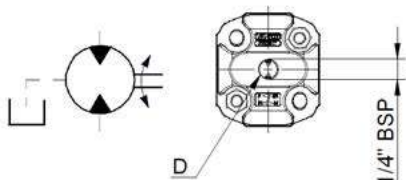
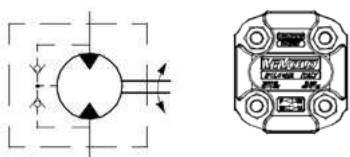
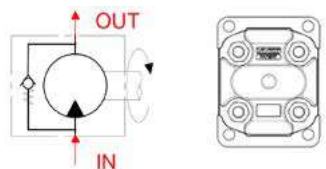
B: 1/2" BSPP, C: 3/4" BSPP, D: 1" BSPP

FLANGE	
01	
DIN	
31	
SAE-A	
1RE	
DIN Bearing Carrier 1:8 Taper Shaft	
25	
Ø80 German Standardized	
13	
Ø50 HY German Standard (mount holes yellow)	
07	
Ø50 BH German Standard (mount holes yellow)	

SHAFT	
F	(German mount only)
Tapered 1:5 Ø 17.4mm M12x1.5 Key 3mm Shaft Torque 233.2Nm	
E	
Tapered 1:8 Ø 17.2mm M12x1.5 Key 4mm Shaft Torque 233.3Nm	
A	
Parallel Ø 15mm Key 4mm Shaft Torque 44.1Nm	
B	
Parallel Ø 5/8" Key 4mm Shaft Torque 67.5Nm	
I	
Splined 9T 16/32 DP Shaft Torque 67.1Nm	

 Additional costs apply for non-standard options

REAR COVER

E	External drain	F	Internal drain	001	External drain with anti-cavity check valve
					

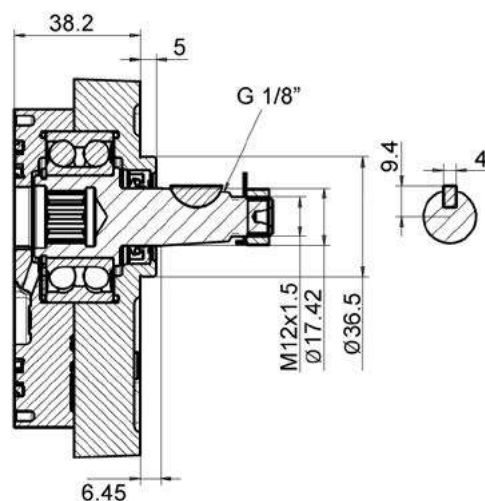
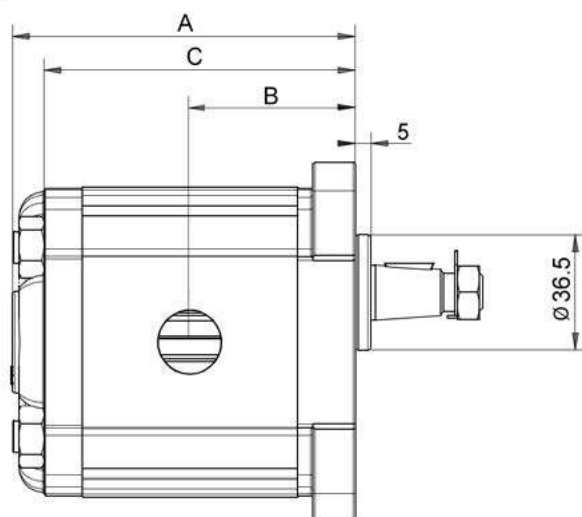
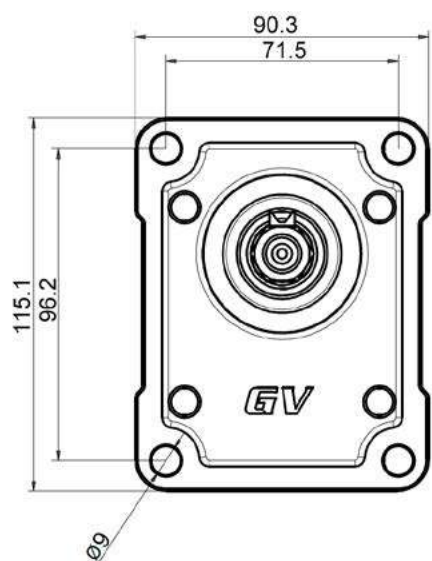
**TECH
DATA**

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)	Inlet & Outlet Port	Case Drain	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M411REBBE	1541.00	4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	107.2	41.7	77.2
X2M431REBBE	1541.00	6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	110.2	43.2	80.2
X2M451REBBE	1541.00	8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	104.2	45.2	84.2
X2M471REBBE	1541.00	10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	118.2	47.2	88.2
X2M491RECCE	1554.00	14.4	290	6	15	3500/700	3/4" BSPP	3/4" BSPP	124.2	50.2	94.2
X2M511RECCE	1554.00	16.8	270	6	15	3500/700	3/4" BSPP	3/4" BSPP	128.2	52.2	98.2
X2M531RECCE	1593.00	19.2	250	6	15	3000/700	3/4" BSPP	3/4" BSPP	132.2	54.2	102.2
X2M551RECCE	1593.00	22.8	240	6	15	3000/700	3/4" BSPP	3/4" BSPP	138.2	57.2	108.2
X2M571REDDE	1593.00	26.2	210	6	15	3000/700	1" BSPP	1" BSPP	142.2	59.2	112.2
X2M591REDDE	1668.00	30.0	200	6	15	2500/700	1" BSPP	1" BSPP	150.2	63.2	120.2
X2M611REDDE	1668.00	34.2	190	6	15	2500/700	1" BSPP	1" BSPP	157.2	66.7	127.2
X2M631REDDE	1668.00	39.6	180	6	15	2000/700	1" BSPP	1" BSPP	166.2	71.2	136.2

Group 2 Motor Seal Kit

Part #	List Price \$	Material
8KGX2M1.A	103.00	NBR
8KGX2M1.V	189.00	Viton



TECH DATA

Group 2 Motor DIN Mount, 1:8 Tapered Shaft

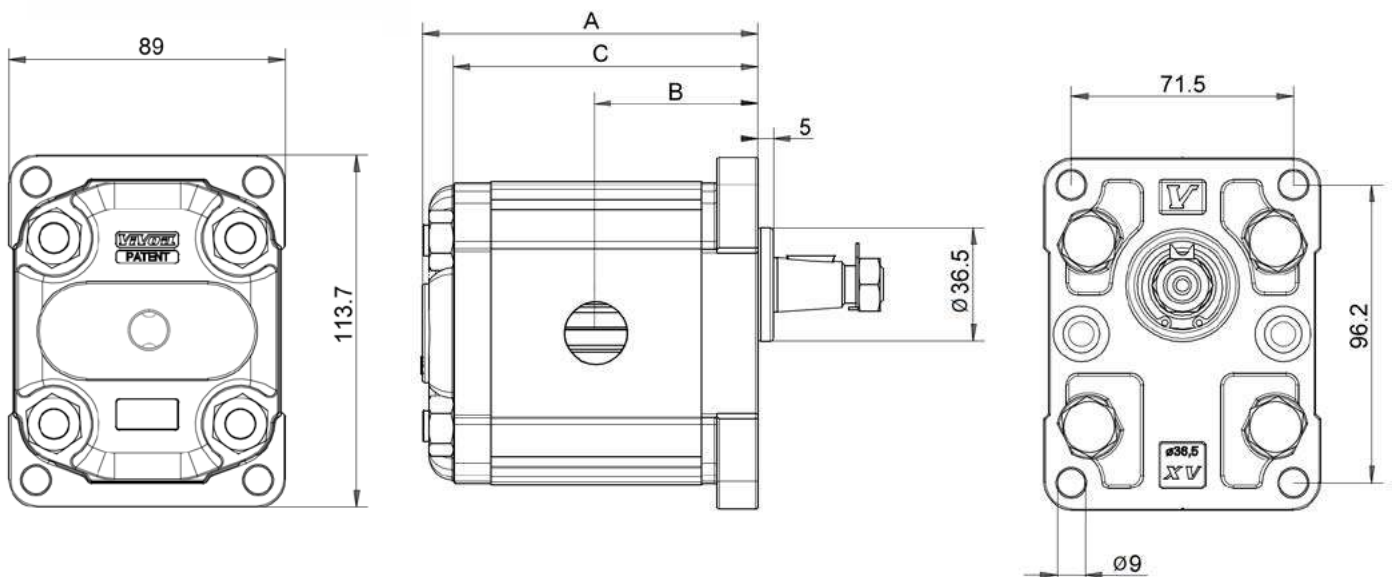
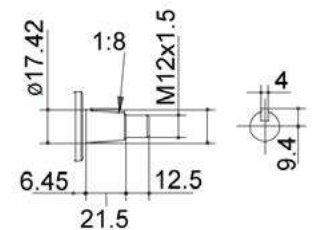
Anti-cavitation check valve available

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M4101EBBE	799.00	4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	87.2	41.7	77.2
X2M4301EBBE	799.00	6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	90.2	43.2	80.2
X2M4501EBBE	799.00	8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	94.2	45.2	84.2
X2M4701EBBE	799.00	10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	98.2	47.2	88.2
X2M4901ECCE	814.00	14.4	290	6	15	3500/700	3/4" BSPP	3/4" BSPP	104.2	50.2	94.2
X2M5101ECCE	814.00	16.8	270	6	15	3500/700	3/4" BSPP	3/4" BSPP	108.2	52.2	98.2
X2M5301ECCE	857.00	19.2	250	6	15	3000/700	3/4" BSPP	3/4" BSPP	112.2	54.2	102.2
X2M5501ECCE	857.00	22.8	240	6	15	3000/700	3/4" BSPP	3/4" BSPP	118.2	57.2	108.2
X2M5701EDDE	857.00	26.2	210	6	15	3000/700	1" BSPP	1" BSPP	122.2	59.2	112.2
X2M5901EDDE	942.00	30.0	200	6	15	2500/700	1" BSPP	1" BSPP	130.2	63.2	120.2
X2M6101EDDE	942.00	34.2	190	6	15	2500/700	1" BSPP	1" BSPP	137.2	66.7	127.2
X2M6301EDDE	942.00	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	103.00	NBR
8KGX2M1.V	189.00	Viton



TECH DATA

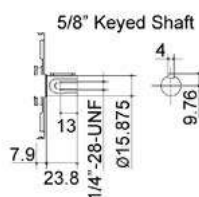
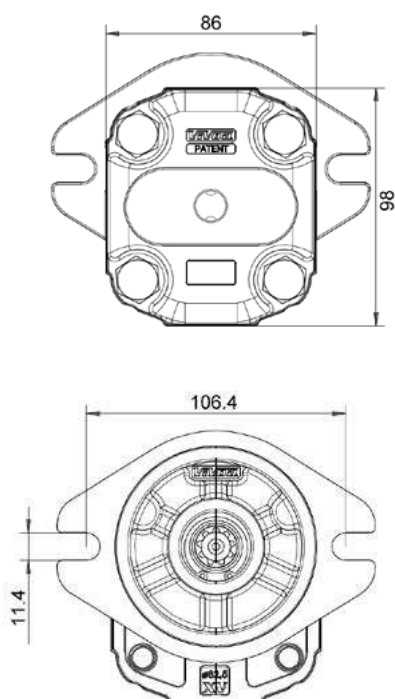
Group 2 Motor SAE A Mount, 5/8" Keyed Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M4131BBBE	799.00	4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2M4331BBBE	799.00	6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2M4531BBBE	799.00	8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	95.0	41.4	85.0
X2M4731BBBE	799.00	10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	99.0	45.8	89.0
X2M4931BCCE	814.00	14.4	250	6	15	3500/700	3/4" BSPP	3/4" BSPP	105.0	45.8	95.0
X2M5131BCCE	814.00	16.8	214	6	15	3500/700	3/4" BSPP	3/4" BSPP	109.0	45.8	99.0
X2M5331BCCE	857.00	19.2	188	6	15	3000/700	3/4" BSPP	3/4" BSPP	113.0	45.8	103.0
X2M5531BCCE	857.00	22.8	158	6	15	3000/700	3/4" BSPP	3/4" BSPP	119.0	53.3	109.0
X2M5731BDDE	857.00	26.2	138	6	15	3000/700	1" BSPP	1" BSPP	123.0	53.3	113.0
X2M5931BDDE	942.00	30.0	120	6	15	2500/700	1" BSPP	1" BSPP	131.0	61.5	121.0
X2M6131BDDE	942.00	34.2	105	6	15	2500/700	1" BSPP	1" BSPP	138.0	61.5	128.0
X2M6331BDDE	942.00	39.6	91	6	15	2000/700	1" BSPP	1" BSPP	147.0	61.5	137.0

TECH DATA

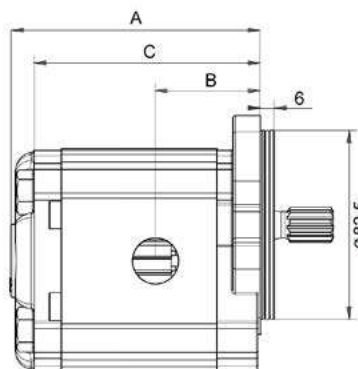
Group 2 Motor SAE A Mount, 5/8" 9 Tooth Splined Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)		
			Inlet	Drain					A	B	C
X2M4131IBBE	799.00	4.2	300	6	30	3500/700	1/2" BSPP	1/2" BSPP	88.0	39.4	78.0
X2M4331IBBE	799.00	6.0	300	6	25	3500/700	1/2" BSPP	1/2" BSPP	91.0	39.4	81.0
X2M4531IBBE	799.00	8.4	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	95.0	41.4	85.0
X2M4731IBBE	799.00	10.8	300	6	20	3500/700	1/2" BSPP	1/2" BSPP	99.0	45.8	89.0
X2M4931ICCE	814.00	14.4	249	6	15	3500/700	3/4" BSPP	3/4" BSPP	105.0	45.8	95.0
X2M5131ICCE	814.00	16.8	213	6	15	3500/700	3/4" BSPP	3/4" BSPP	109.0	45.8	99.0
X2M5331ICCE	857.00	19.2	187	6	15	3000/700	3/4" BSPP	3/4" BSPP	113.0	45.8	103.0
X2M5531ICCE	857.00	22.8	157	6	15	3000/700	3/4" BSPP	3/4" BSPP	119.0	53.3	109.0
X2M5731IDDE	857.00	26.2	137	6	15	3000/700	1" BSPP	1" BSPP	123.0	53.3	113.0
X2M5931IDDE	942.00	30.0	119	6	15	2500/700	1" BSPP	1" BSPP	131.0	61.5	121.0
X2M6131IDDE	942.00	34.2	105	6	15	2500/700	1" BSPP	1" BSPP	138.0	61.5	128.0
X2M6331IDDE	942.00	39.6	90	6	15	2000/700	1" BSPP	1" BSPP	147.0	61.5	137.0



Group 2 Motor Seal Kit

Part #	List Price \$	Material
8KGX2M1.A	103.00	NBR
8KGX2M1.V	189.00	Viton



SERIES	GROUP	MOTOR	DISP.	FLANGE	SHAFT	INLET	OUTLET	REAR
X	3	M	66	31	I	D	D	E

DISPLACEMENT

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

PORTS

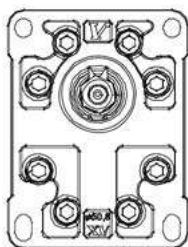
INLET	OUTLET	
D	D	14.9cc
D	D	17.4cc
D	D	21.1cc
E	E	27.0cc
E	E	32.3cc
E	E	38.5cc
E	E	43.4cc
E	E	47.2cc
E	E	50.9cc
E	E	54.6cc
E	E	60.8cc
E	E	64.5cc
F	F	70.7cc
F	F	74.5cc
F	F	86.9cc

D: 3/4" BSPP, E: 1" BSPP, F: 1.1/4" BSPP

FLANGE

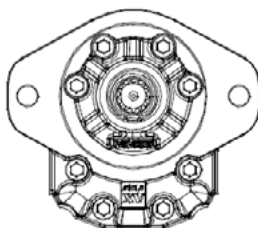
01

DIN Group 3



31

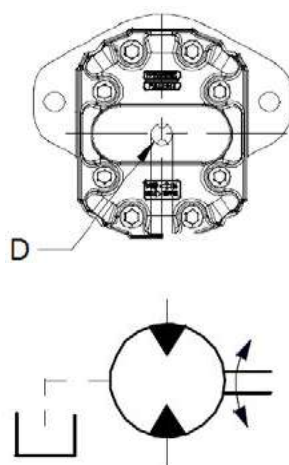
SAE-B



REAR COVER

E

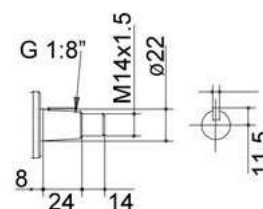
External drain



SHAFT

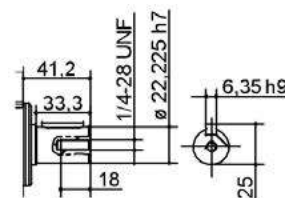
A

Tapered
1:8 Ø 22mm
M14x1.5
Key 4mm
Shaft Torque
482Nm



H

Parallel
Ø 7/8"
Key 6.35mm
Shaft Torque
180Nm



I

Splined
7/8" 13T
Shaft Torque
264Nm



Additional costs apply for
non-standard options

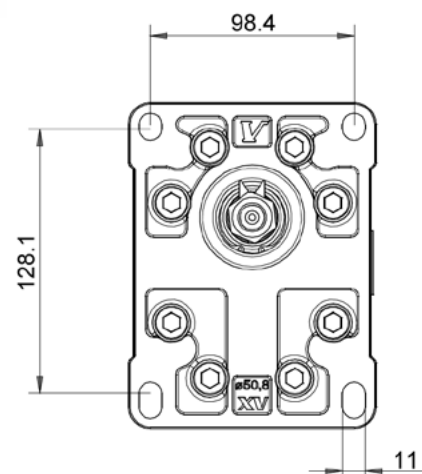
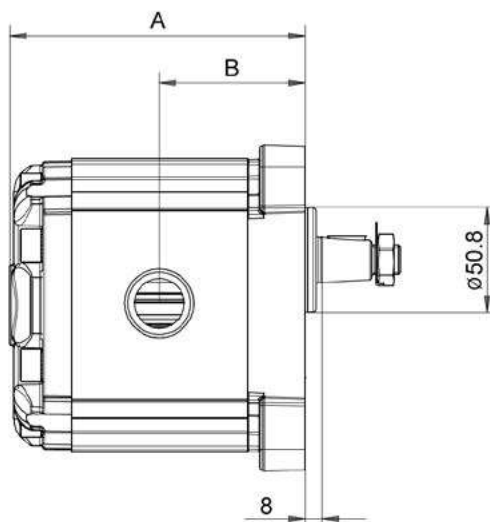
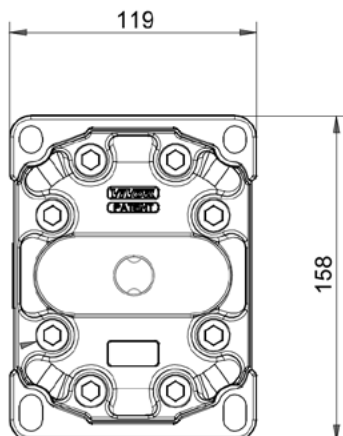
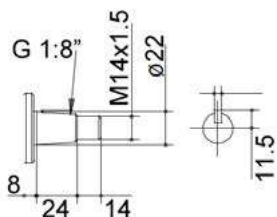
**TECH
DATA**

Group 3 Motor DIN Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)	
			Inlet	Drain					A	B
X3M6601ADDE	1712.00	14.89	320	6	20	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3M6801ADDE	1712.00	17.37	300	6	20	3000/700	3/4" BSPP	3/4" BSPP	126.0	62.0
X3M7001ADDE	1741.00	21.10	300	6	15	3000/700	3/4" BSPP	3/4" BSPP	129.0	63.5
X3M7201AEEE	1741.00	26.97	270	6	10	3000/700	1" BSPP	1" BSPP	133.0	65.5
X3M7401AEEE	1825.00	32.27	270	6	10	3000/700	1" BSPP	1" BSPP	138.0	68.0
X3M7801AEEE	1825.00	38.47	270	6	10	2800/700	1" BSPP	1" BSPP	143.0	70.5
X3M7901AEEE	1825.00	43.44	250	6	10	2800/700	1" BSPP	1" BSPP	147.0	72.5
X3M8001AEEE	1884.00	47.16	250	6	10	2800/700	1" BSPP	1" BSPP	150.0	74.0
X3M8101AEEE	1884.00	50.88	250	6	10	2800/700	1" BSPP	1" BSPP	153.0	75.5
X3M8201AEEE	1884.00	54.60	250	6	10	2300/700	1" BSPP	1" BSPP	156.0	77.0
X3M8301AFFE	1850.00	60.81	220	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	161.0	79.5
X3M8501AFFE	1884.00	64.53	220	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	164.0	81.0
X3M8601AFFE	1968.00	70.74	210	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	169.0	83.5
X3M8701AFFE	1968.00	74.46	190	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3M8901AFFE	1968.00	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	186.00	NBR
8KGX3M1.V	343.00	Viton



TECH DATA

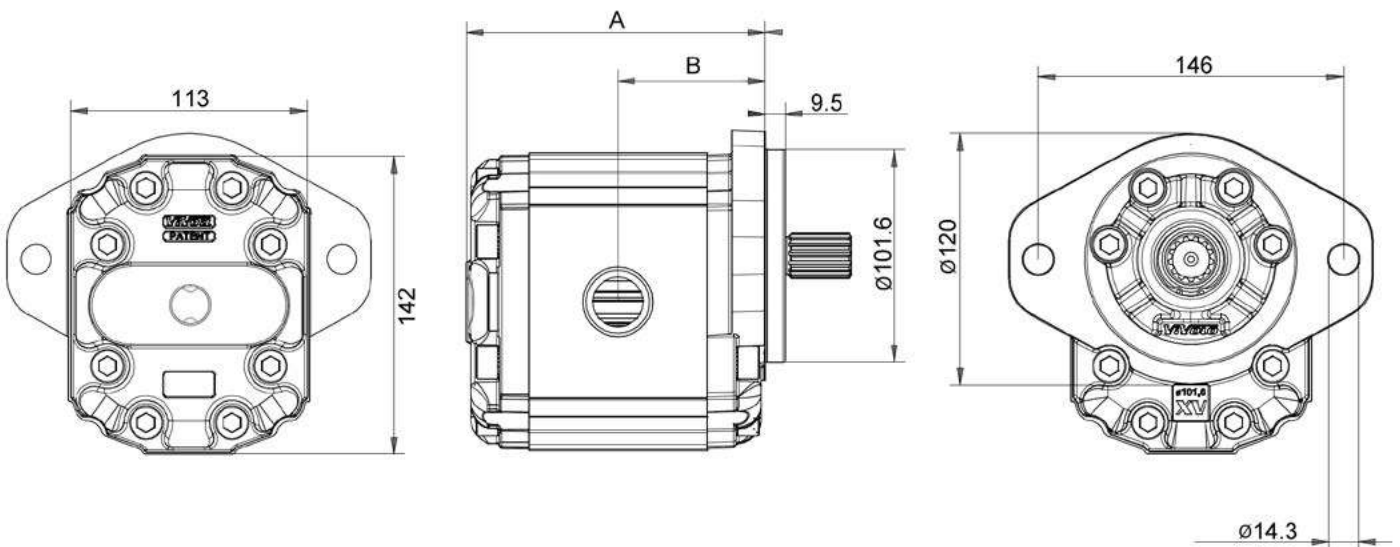
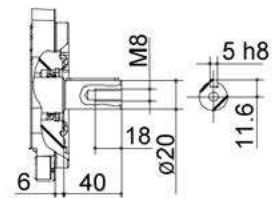
Group 3 Motor SAE B Mount, 7/8" Keyed Shaft

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)	
			Inlet	Drain					A	B
X3M7031HDDE	1741.00	21.10	300	6	15	3000/700	3/4" BSPP	3/4" BSPP	129.0	63.5
X3M7231HEEE	1741.00	26.97	270	6	10	3000/700	1" BSPP	1" BSPP	133.0	65.5
X3M7431HEEE	1825.00	32.27	270	6	10	3000/700	1" BSPP	1" BSPP	138.0	68.0
X3M7831HEEE	1825.00	38.47	250	6	10	2800/700	1" BSPP	1" BSPP	143.0	70.5
X3M7931HEEE	1825.00	43.44	221	6	10	2800/700	1" BSPP	1" BSPP	147.0	72.5
X3M8031HEEE	1884.00	47.16	204	6	10	2800/700	1" BSPP	1" BSPP	150.0	74.0
X3M8131HEEE	1884.00	50.88	189	6	10	2800/700	1" BSPP	1" BSPP	153.0	75.5
X3M8231HEEE	1884.00	54.60	176	6	10	2300/700	1" BSPP	1" BSPP	156.0	77.0
X3M8331HFFE	1884.00	60.81	158	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	161.0	79.5
X3M8631HFFE	1968.00	70.74	136	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	169.0	83.5
X3M8731HFFE	1968.00	74.46	129	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3M8931HFFE	1968.00	86.87	111	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	186.00	NBR
8KGX3M1.V	343.00	Viton



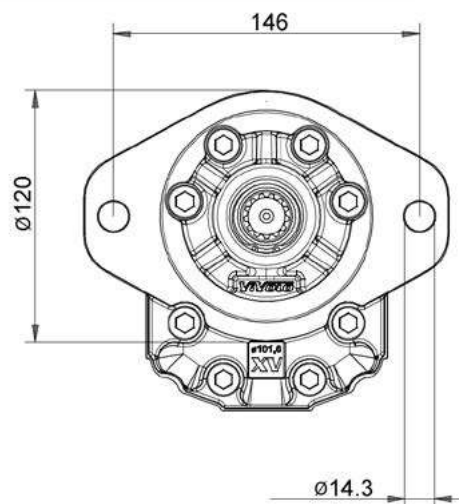
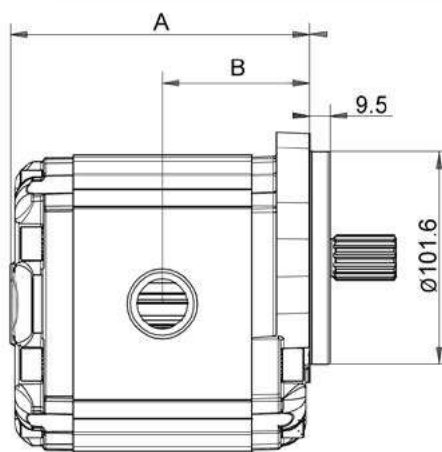
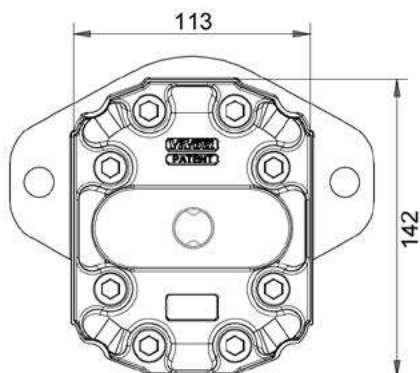
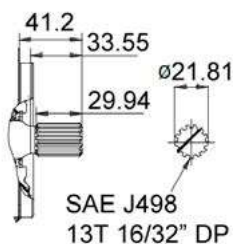
**TECH
DATA**

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

Part #	List Price \$	CC	Max Pressure (bar)		Min Start Pressure (bar)	Max/Min Speed (RPM)	Inlet & Outlet Port	Case Drain	Dimension (mm)	
			Inlet	Drain					A	B
X3M6631IDDE	1741.00	14.89	320	6	20	3000/700	3/4" BSPP	3/4" BSPP	124.0	61.0
X3M7031IDDE	1741.00	21.10	300	6	15	3000/700	3/4" BSPP	3/4" BSPP	129.0	63.5
X3M7231IEEE	1741.00	26.97	270	6	10	3000/700	1" BSPP	1" BSPP	133.0	65.5
X3M7431IEEE	1825.00	32.27	270	6	10	3000/700	1" BSPP	1" BSPP	138.0	68.0
X3M7831IEEE	1825.00	38.47	270	6	10	2800/700	1" BSPP	1" BSPP	143.0	70.5
X3M7931IEEE	1825.00	43.44	250	6	10	2800/700	1" BSPP	1" BSPP	147.0	72.5
X3M8031IEEE	1884.00	47.16	250	6	10	2800/700	1" BSPP	1" BSPP	150.0	74.0
X3M8131IEEE	1884.00	50.88	250	6	10	2800/700	1" BSPP	1" BSPP	153.0	75.5
X3M8231IEEE	1884.00	54.60	250	6	10	2300/700	1" BSPP	1" BSPP	156.0	77.0
X3M8331IFFE	1884.00	60.81	232	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	161.0	79.5
X3M8531IFFE	1884.00	64.53	218	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	164.0	81.0
X3M8631IFFE	1968.00	70.74	199	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	169.0	83.5
X3M8731IFFE	1968.00	74.46	189	6	10	2300/700	1.1/4" BSPP	1.1/4" BSPP	172.0	85.0
X3M8931IFFE	1968.00	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	186.00	NBR
8KGX3M1.V	343.00	Viton



TECH
DATA

Group 1 Motor (European Standard) 4-Bolt Mount, 1:8 Tapered Shaft

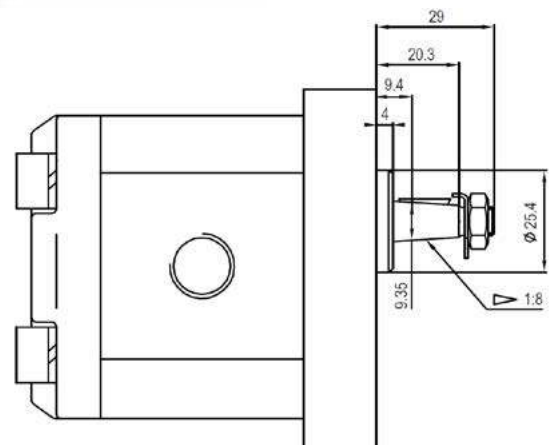
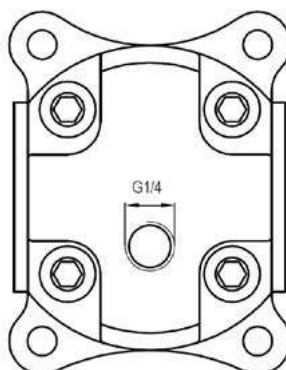
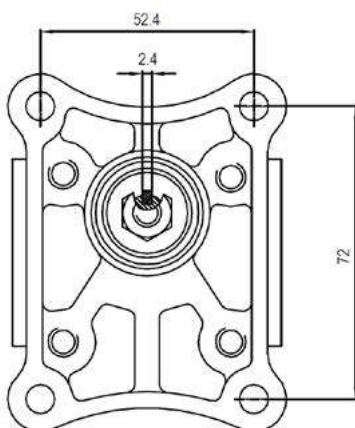
Part #	List Price \$	CC	Port (BSPP)			Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
			Inlet	Outlet	Case			
10MR1.6X563G	483.00	1.6	3/8"	3/8"	1/4"	3500	210	1
10MR2X563G	483.00	2	3/8"	3/8"	1/4"	3500	210	1
10MR2.5X563G	494.00	2.5	3/8"	3/8"	1/4"	3500	210	1.1
10MR3.15X563G	494.00	3.15	1/2"	1/2"	1/4"	3500	210	1.1
10MR3.65X563G	494.00	3.65	1/2"	1/2"	1/4"	3500	210	1.2
10MR4.2X563G	494.00	4.2	1/2"	1/2"	1/4"	3500	210	1.2
10MR5X563G	494.00	5	1/2"	1/2"	1/4"	3500	210	1.2
10MR5.7X563G	504.00	5.7	1/2"	1/2"	1/4"	3000	200	1.3
10MR6.1X563G	504.00	6.1	1/2"	1/2"	1/4"	3000	200	1.3
10MR7.4X563G	504.00	7.4	1/2"	1/2"	1/4"	2500	180	1.4
10MR8.5X563G	504.00	8.5	1/2"	1/2"	1/4"	2500	150	1.5
10MR9.8X563G	504.00	9.8	1/2"	1/2"	1/4"	2000	120	1.5

📌 Additional charges apply to non-standard motors

Group 1 Motor Seal Kits & Port Adaptors

Part #	List Price \$	Description
GM1-SKV	53.00	Seal kit (includes viton shaft seal)
GM1-SKT	105.00	Seal kit (includes high pressure shaft seal, 30 bar)
GM1-SSV	21.00	Shaft seal only (viton)
GM1-SST	105.00	Shaft seal only (high pressure, 30 bar)

 **caproni**
MADE IN EUROPE



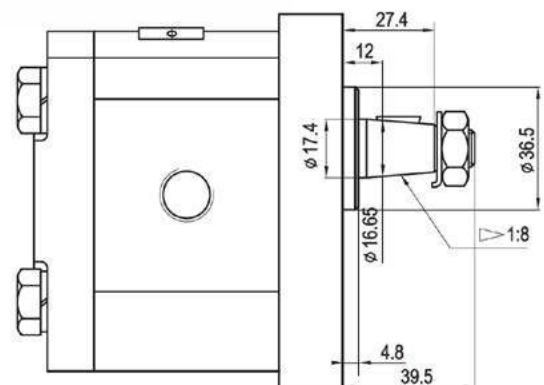
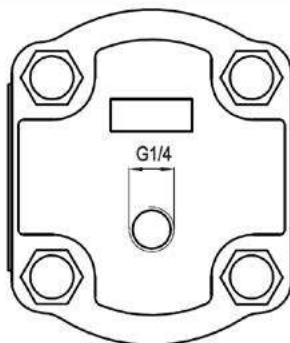
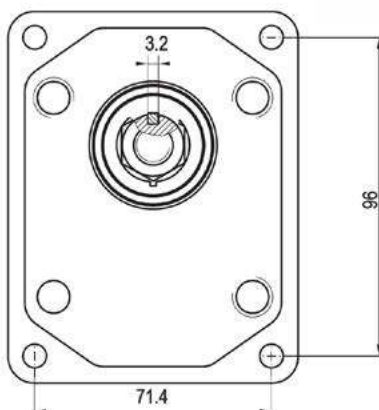
TECH
DATA

Group 2 Motor (European Standard) 4-Bolt Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Port (BSPP)			Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
			Inlet	Outlet	Case			
20MR4.5X543GT	683.00	4.5	1/2"	1/2"	1/4"	3500	200	3.3
20MR6.3X543GT	683.00	6.3	1/2"	1/2"	1/4"	3500	200	3.4
20MR8.2X543GT	683.00	8.2	1/2"	1/2"	1/4"	3500	200	3.5
20MR11X543GT	683.00	11.3	3/4"	3/4"	1/4"	3500	200	3.6
20MR14X543GT	693.00	14	3/4"	3/4"	1/4"	3500	200	3.7
20MR16X543GT	693.00	16	3/4"	3/4"	1/4"	3500	200	3.8
20MR19X543GT	693.00	19	3/4"	3/4"	1/4"	2500	180	4
20MR22X543GT	693.00	22	3/4"	3/4"	1/4"	2500	180	4.1
20MR25X543GT	704.00	25	3/4"	3/4"	1/4"	2000	160	4.5
20MR28X543HGT	704.00	28	3/4"	3/4"	1/4"	2000	130	4.6

Group 2 Motor Seal Kits

Part #	List Price \$	Description
GM2-SKV	74.00	Seal kit (includes viton shaft seal)
GM2-SKT	105.00	Seal kit (includes high pressure shaft seal, 30 bar)
GM2-SSV	32.00	Shaft seal only (viton)
GM2-SST	42.00	Shaft seal only (high pressure, 30 bar)



TECH DATA

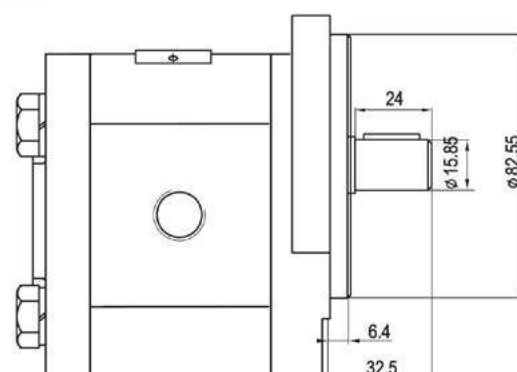
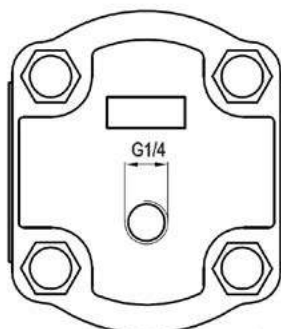
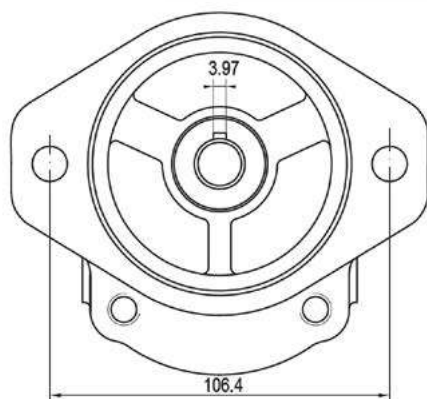
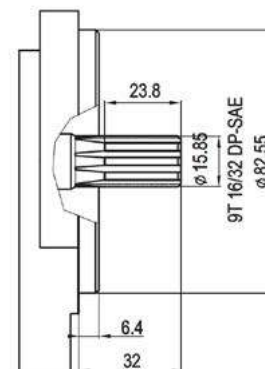
Group 2 Motor (American Standard) SAE-A 2-Bolt Mount, 5/8" Shaft (Keyed or 9T Splined)

Part #	List Price \$	Part #	List Price \$	CC	Port (BSPP)			Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
					Inlet	Outlet	Case			
20MR4.5X553GT	683.00	20MR4.5X073GT	683.00	4.5	1/2"	1/2"	1/4"	3500	200	3.3
20MR6.3X553GT	683.00	20MR6.3X073GT	683.00	6.3	1/2"	1/2"	1/4"	3500	200	3.4
20MR8.2X553GT	683.00	20MR8.2X073GT	683.00	8.2	1/2"	1/2"	1/4"	3500	200	3.5
20MR11X553GT	683.00	20MR11X073GT	683.00	11.3	3/4"	3/4"	1/4"	3500	200	3.6
20MR14X553GT	693.00	20MR14X073GT	693.00	14	3/4"	3/4"	1/4"	3500	200	3.7
20MR16X553GT	693.00	20MR16X073GT	693.00	16	3/4"	3/4"	1/4"	3500	200	3.8
20MR19X553GT	693.00	20MR19X073GT	693.00	19	3/4"	3/4"	1/4"	2500	180	4
20MR22X553GT	693.00	20MR22X073GT	693.00	22	3/4"	3/4"	1/4"	2500	180	4.1
20MR25X553GT	704.00	20MR25X073GT	704.00	25	3/4"	3/4"	1/4"	2000	160	4.5
20MR28X553GHT	704.00	20MR28X073HGT	704.00	28	3/4"	3/4"	1/4"	2000	130	4.6

 Additional charges apply to non-standard motors

Group 2 Motor Seal Kits

Part #	List Price \$	Description
GM2-SKV	74.00	Seal kit (includes viton shaft seal)
GM2-SKT	105.00	Seal kit (includes high pressure shaft seal, 30 bar)
GM2-SSV	32.00	Shaft seal only (viton)
GM2-SST	42.00	Shaft seal only (high pressure, 30 bar)



TECH DATA

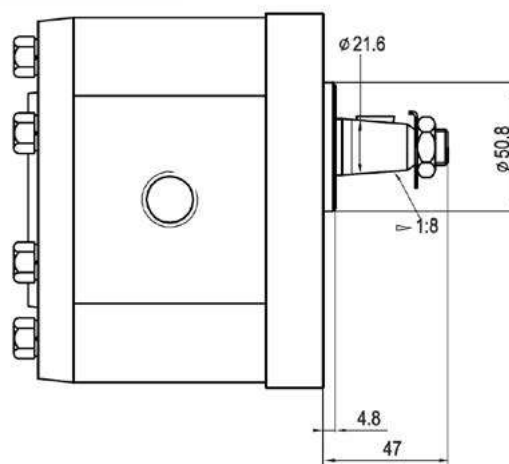
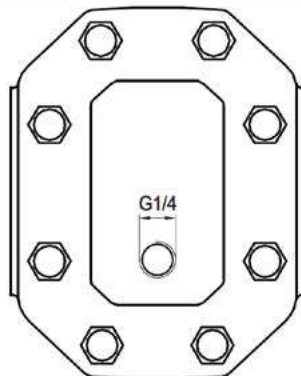
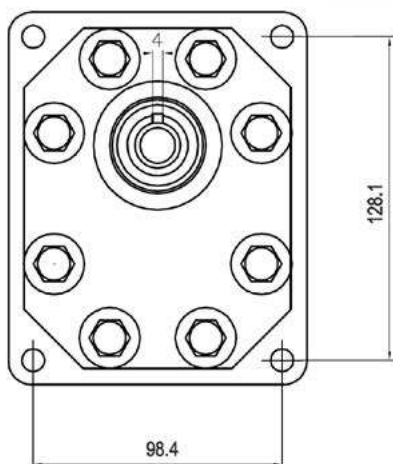
Group 3 Motor (European Standard) 4-Bolt Mount, 1:8 Tapered Shaft

Part #	List Price \$	CC	Port (BSPP)			Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
			Inlet	Outlet	Case			
30MR20X568HGT	1250.00	20	3/4"	3/4"	1/4"	2500	200	8.3
30MR25X568HGT	1250.00	25	3/4"	3/4"	1/4"	2500	200	8.5
30MR32X568HGT	1250.00	32	1"	1"	1/4"	2500	200	9
30MR36X568HGT	1260.00	36	1"	1"	1/4"	2300	200	9.3
30MR42X568HGT	1260.00	42	1"	1"	1/4"	2300	200	9.6
30MR46X568HGT	1260.00	46	1"	1"	1/4"	2100	200	9.8
30MR50X568HGT	1271.00	50	1"	1"	1/4"	2100	200	9.9
30MR55X568HGT	1271.00	55	1"	1"	1/4"	1750	200	10.1
30MR60X568HGT	1271.00	60	1"	1"	1/4"	1750	180	10.3

 Additional charges apply to non-standard motors

Group 3 Motor Seal Kits

Part #	List Price \$	Description
GM3-SKV	126.00	Seal kit (includes viton shaft seal)
GM3-SKT	168.00	Seal kit (includes high pressure shaft seal, 30 bar)
GM3-SSV	53.00	Shaft seal only (viton)
GM3-SST	63.00	Shaft seal only (high pressure, 30 bar)



TECH DATA

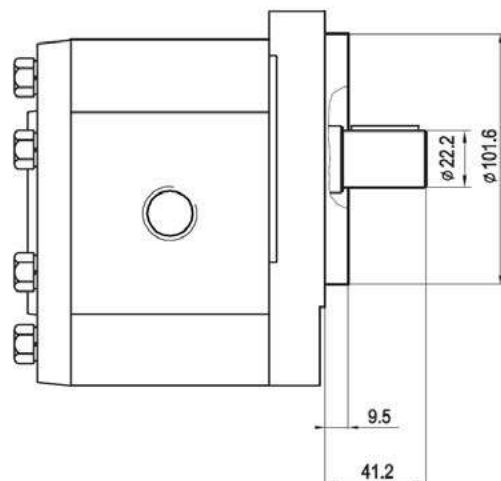
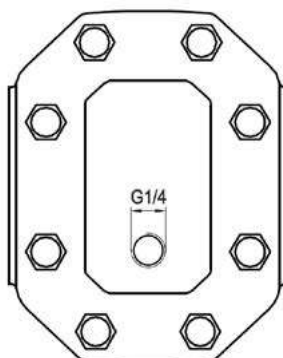
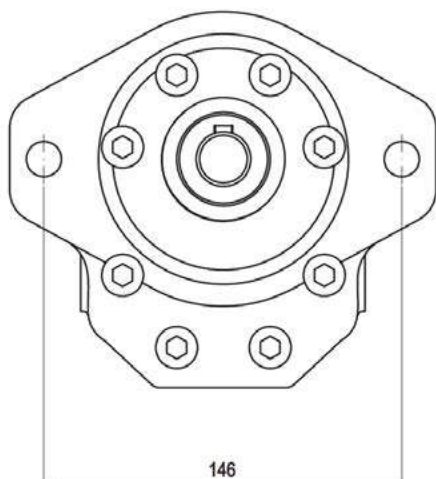
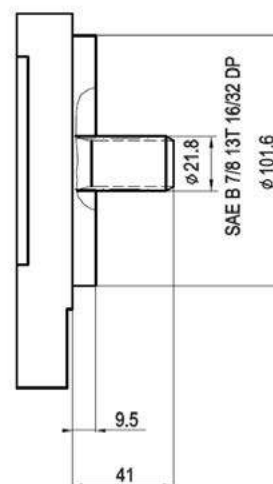
Group 3 Motor (American Standard) SAE-B 2-Bolt Mount, 7/8" Shaft (Keyed or 13T Splined)

Part #	List Price \$	Part #	List Price \$	CC	Port (BSPP)			Max Continuous Speed (RPM)	Max Continuous Pressure (Bar)	Weight (Kg)
		Shaft: 9T Splined			Inlet	Outlet	Case			
30MR20X237HGT	1250.00	30MR20X236HGT	1250.00	20	3/4"	3/4"	1/4"	2500	200	8.3
30MR25X237HGT	1250.00	30MR25X236HGT	1250.00	25	3/4"	3/4"	1/4"	2500	200	8.5
30MR32X237HGT	1250.00	30MR32X236HGT	1250.00	32	1"	1"	1/4"	2500	200	9
30MR36X237HGT	1260.00	30MR36X236HGT	1260.00	36	1"	1"	1/4"	2300	200	9.3
30MR42X237HGT	1260.00	30MR42X236HGT	1260.00	42	1"	1"	1/4"	2300	200	9.6
30MR46X237HGT	1260.00	30MR46X236HGT	1260.00	46	1"	1"	1/4"	2100	200	9.8
30MR50X237HGT	1271.00	30MR50X236HGT	1271.00	50	1"	1"	1/4"	2100	200	9.9
30MR55X237HGT	1271.00	30MR55X236HGT	1271.00	55	1"	1"	1/4"	1750	200	10.1
30MR60X237HGT	1271.00	30MR60X236HGT	1271.00	60	1"	1"	1/4"	1750	180	10.3

 Additional charges apply to non-standard motors

Group 3 Motor Seal Kits

Part #	List Price \$	Description
GM3-SKV	126.00	Seal kit (includes viton shaft seal)
GM3-SKT	168.00	Seal kit (includes high pressure shaft seal, 30 bar)
GM3-SSV	53.00	Shaft seal only (viton)
GM3-SST	63.00	Shaft seal only (high pressure, 30 bar)



TECH DATA

GROUP 0 FLOW DIVIDER - with independent phase correction and anti-cavitation

Series	No. of Elements		Relief Range		Displacement Code		List Price \$
9RV	02	2	A	7-70 bar	04	0.45cc	1123.00 per section
	03	3	B	35-175 bar (standard)	06	0.76cc	1123.00 per section
	04	4	C	70-350 bar	09	1.27cc	1123.00 per section
	05	5					
	06	6					
	07	7					
	08	8					

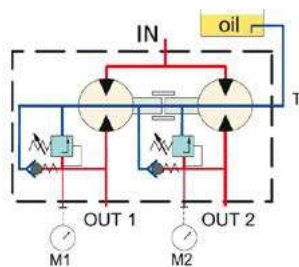
Example:
flow divider w/ 2 elements, same displacements

9RV	02	A	05
------------	-----------	----------	-----------



Example:
flow divider w/ 3 elements, different displacements

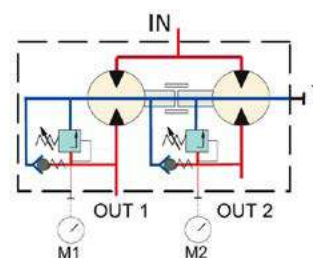
9RV	03	B	04	06	09
------------	-----------	----------	-----------	-----------	-----------



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.



Contact us for lead times for custom items (configurations in table below are standard stock items)

2-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Displacement per Section	Body Size	Max Pressure (bar)	Inlet Flow Ratings (L/min)			Port Size (BSPP)		Relief Range (bar)
					Min	Recommended	Max	In	Out	
9RV02B04	2247.00	0.45cc	Group 0	210	1.2	2.4	6.0	1/4"	1/4"	35-175
9RV02B06	2247.00	0.76cc	Group 0	210	2.0	4.0	9.6	1/4"	1/4"	35-175
9RV02B09	2247.00	1.27cc	Group 0	210	3.0	6.0	14.4	1/4"	1/4"	35-175

4-Way Rotary Gear Flow Dividers, Differential Relief

9RV04B04	4493.00	0.45cc	Group 0	210	2.4	4.8	12.0	1/4"	1/4"	35-175
9RV04B06	4493.00	0.76cc	Group 0	210	4.0	8.0	19.2	1/4"	1/4"	35-175
9RV04B09	4493.00	1.27cc	Group 0	210	6.0	12.0	28.8	1/4"	1/4"	35-175

TECH DATA

GROUP 1 FLOW DIVIDER - with independent phase correction and anti-cavitation

Series	No. of Elements		Relief Range		Displacement Code		List Price \$
9RV	02	2	A	7-210 bar (standard)	18	1.70cc	1270.00 per section
	03	3	B	105-420 bar	23	3.20cc	1270.00 per section
	04	4			32	6.50cc	1320.00 per section
	05	5					
	06	6					
	07	7					
	08	8					

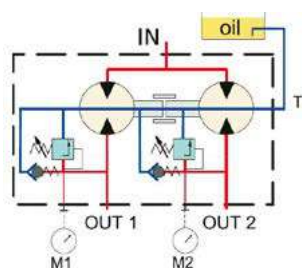


Example:
flow divider w/ 2 elements, same displacements

9RV	02	A	18
------------	-----------	----------	-----------

Example:
flow divider w/ 3 elements, different displacements

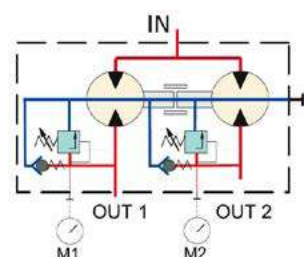
9RV	03	B	32	23	18
------------	-----------	----------	-----------	-----------	-----------



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.



Contact us for lead times for custom items (configurations in table below are standard stock items)

2-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Displacement per Section	Body Size	Max Pressure (bar)	Inlet Flow Ratings (L/min)			Port Size (BSPP)		Relief Range (bar)
					Min	Recommended	Max	In	Out	
9RV02A18	2539.00	1.70cc	Group 1	220	4	8	18	1/2"	3/8"	7-210
9RV02A23	2539.00	3.20cc	Group 1	220	7	15	36	1/2"	3/8"	7-210
9RV02A32	2639.00	6.50cc	Group 1	220	15	28	71	1/2"	3/8"	7-210

4-Way Rotary Gear Flow Dividers, Differential Relief

9RV04A18	5076.00	1.70cc	Group 1	220	8	16	36	1/2"	3/8"	7-210
9RV04A23	5076.00	3.20cc	Group 1	220	14	30	72	1/2"	3/8"	7-210
9RV04A32	5280.00	6.50cc	Group 1	220	30	56	142	1/2"	3/8"	7-210

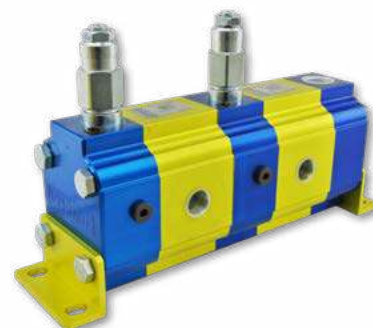
TECH
DATA

GROUP 2 FLOW DIVIDER - with independent phase correction and anti-cavitation

Series	No. of Elements		Relief Range		Displacement Code		List Price \$
9RV	02	2	A	10-105 bar	45	8.40cc	1505.00 per section
	03	3	B	70-210 bar (standard)	47	10.80cc	1505.00 per section
	04	4	C	140-350 bar	49	14.00cc	1580.00 per section
	05	5			51	16.80cc	1535.00 per section
	06	6			55	22.80cc	1588.00 per section
	07	7			59	30.00cc	1683.00 per section
	08	8			63	39.60cc	1683.00 per section

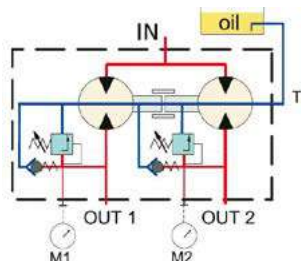
Example:
flow divider w/ 2 elements, same displacements

9RV	02	A	63
------------	-----------	----------	-----------



Example:
flow divider w/ 3 elements, different displacements

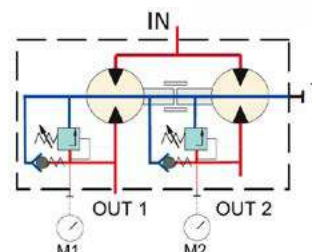
9RV	03	B	47	55	63
------------	-----------	----------	-----------	-----------	-----------



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.



Contact us for lead times for custom items (configurations in table below are standard stock items)

2-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Displacement per Section	Body Size	Max Press (bar)	Inlet Flow Ratings (L/min)			Port Size (BSPP)		Relief Range (bar)
					Min	Recommended	Max	In	Out	
9RV02B45	3009.00	8.40cc	Group 2	210	21.6	30.2	45.0	3/4"	1/2"	70-210
9RV02B47	3009.00	10.80cc	Group 2	210	26.4	38.8	55.0	3/4"	1/2"	70-210
9RV02B49	3155.00	14.40cc	Group 2	200	33.6	51.8	70.0	3/4"	1/2"	70-210
9RV02B51	3069.00	16.80cc	Group 2	200	40.8	60.4	85.0	3/4"	1/2"	70-210
9RV02B55	3175.00	22.80cc	Group 2	180	52.8	82.0	110.0	3/4"	1/2"	70-210
9RV02B59	3366.00	30.00cc	Group 2	160	72.0	108.0	150.0	1"	3/4"	70-210
9RV02B63	3366.00	39.60cc	Group 2	130	96.0	142.6	200.0	1"	3/4"	70-210

4-Way Rotary Gear Flow Dividers, Differential Relief

9RV04B45	5214.00	8.40cc	Group 2	210	43.2	60.4	90.0	3/4"	1/2"	70-210
9RV04B47	5308.00	10.80cc	Group 2	210	52.8	77.6	110.0	3/4"	1/2"	70-210
9RV04B49	5310.00	14.4cc	Group 2	200	67.2	103.6	140.0	3/4"	1/2"	70-210
9RV04B51	5310.00	16.80cc	Group 2	200	81.6	120.8	170.0	3/4"	1/2"	70-210
9RV04B55	5492.00	22.80cc	Group 2	180	105.6	164.0	220.0	3/4"	1/2"	70-210
9RV04B59	5825.00	30.00cc	Group 2	160	144.0	216.0	300.0	1"	3/4"	70-210
9RV04B63	5825.00	39.60cc	Group 2	130	192.0	285.2	400.0	1"	3/4"	70-210

TECH DATA

GROUP 3 FLOW DIVIDER - with independent phase correction and anti-cavitation

Series	No. of Elements		Relief Range		Displacement Code		List Price \$
9RV	02	2	A	10-105 bar	70	21cc	3764.00 per section
	03	3	B	70-210 bar (standard)	78	38cc	3832.00 per section
	04	4	C	140-350 bar	81	51cc	3930.00 per section
	05	5			85	64cc	3930.00 per section
	06	6					
	07	7					
	08	8					

Example:
flow divider w/ 2 elements, same displacements

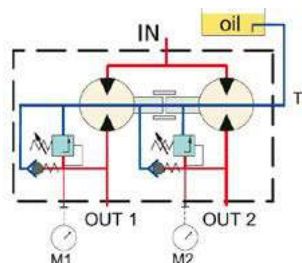
9RV	02	A	70
------------	-----------	----------	-----------

Example:
flow divider w/ 3 elements, different displacements

9RV	03	B	70	70	81
------------	-----------	----------	-----------	-----------	-----------



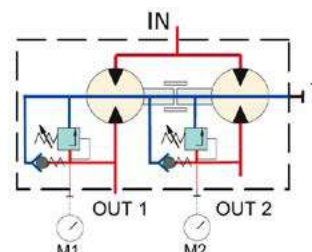
MADE IN EUROPE



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.



Contact us for lead times for custom items (configurations in table below are standard stock items)

2-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Displacement per Section	Body Size	Max Pressure (bar)	Inlet Flow Ratings (L/min)			Port Size (BSPP)		Relief Range (bar)
					Min	Recommended	Max	In	Out	
9RV02B70	7347.00	21cc	Group 3	280	50	76	105	1"	1/2"	70-210
9RV02B78	7664.00	38cc	Group 3	250	82	120	182	1"	3/4"	70-210
9RV02B81	7862.00	51cc	Group 3	230	102	153	234	1.1/4"	1"	70-210
9RV02B85	7862.00	64cc	Group 3	210	114	166	256	1.1/4"	1"	70-210

4-Way Rotary Gear Flow Dividers, Differential Relief

9RV04B70	14693.00	21cc	Group 3	280	100	152	210	1"	1/2"	70-210
9RV04B78	15328.00	38cc	Group 3	250	164	240	364	1"	1/2"	70-210
9RV04B81	15718.00	51cc	Group 3	230	204	306	468	1.1/4"	1"	70-210
9RV04B85	15718.00	64cc	Group 3	210	228	332	512	1.1/4"	1"	70-210

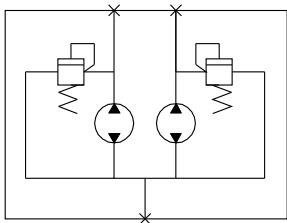
TECH
DATA

2-Way Rotary Gear Flow Dividers, Differential Relief

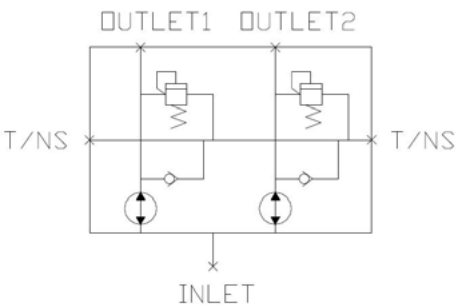
Differential relief valves standard setting 750psi

Part #	List Price \$	Displacement (cc)	Maximum Pressure (bar)		Inlet Flow Ratings (L/min)		Port Size (BSPP)		Pressure Drop (bar)
			Continuous	Differential	Min	Max	In	Out	
1FDF-1.6-L05-2	1038.00	1.60	240	124	6.0	12.8	1/2"	3/8"	16-19
1FDF-3.18-L08-2	1071.00	3.18	240	124	12.8	26.4	3/4"	1/2"	16-19
1FDF-5.29-L08-2	1101.00	5.29	240	124	22.8	45.4	3/4"	1/2"	16-19
1FDF-8.42-L08-2	1157.00	8.42	240	124	34.0	68.2	3/4"	1/2"	16-19
2FDF-14-L08-2	2445.00	14.00	220	200	14.0	68.0	3/4"	1/2"	11-14
2FDF-25-L03-2	2494.00	25.00	220	200	24.0	106.0	1"	3/4"	11-14

1FDF



2FDF

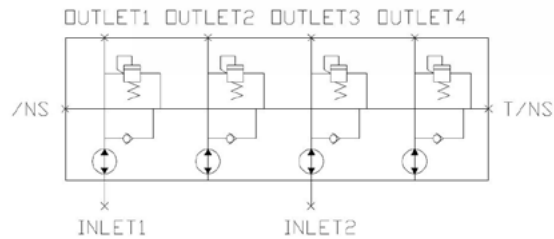
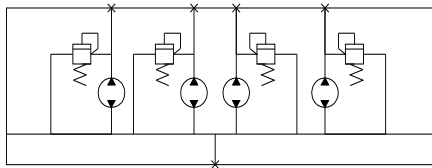


TECH DATA

4-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Displacement (cc)	Maximum Pressure (bar)		Inlet Flow Ratings (L/min)		Port Size (BSPP)		Pressure Drop (bar)
			Continuous	Differential	Min	Max	In	Out	
1FDF-1.6-L05-4	2077.00	1.60	240	124	12.0	25.6	1/2"	3/8"	16-19
1FDF-3.18-L08-4	2141.00	3.18	240	124	25.6	52.8	3/4"	1/2"	16-19
1FDF-5.29-L08-4	2203.00	5.29	240	124	45.6	90.8	3/4"	1/2"	16-19
1FDF-8.42-L08-4	2311.00	8.42	240	124	68.0	136.4	1"	1/2"	16-19
2FDF-14-L08-4	4890.00	14.00	220	200	28.0	136.0	1"	3/4"	11-14
2FDF-25-L03-4	4985.00	25.00	220	200	48.0	212.0	1.1/2"	1"	11-14

1FDF



2FDF

TECH DATA

6-Way Rotary Gear Flow Dividers, Differential Relief

Part #	List Price \$	Maximum Pressure (bar)		Inlet Flow Ratings (L/min)		Port Size (BSPP)		Pressure Drop (bar)
		Continuous	Differential	Min	Max	In	Out	
1FDF-2.0-L05-6	3303.00	240	124	38.4	63.3	1/2"	3/8"	16-19

