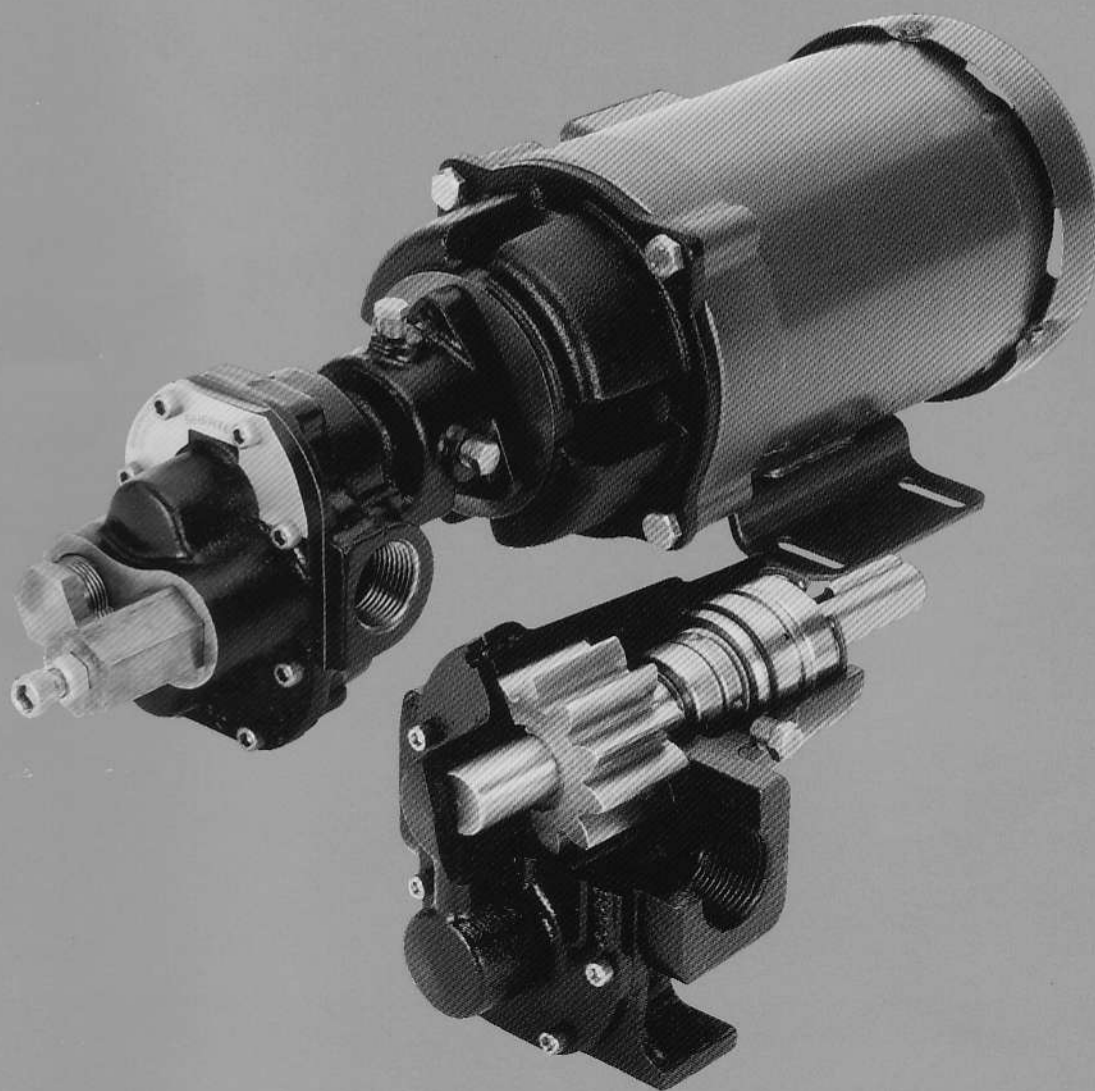


SHER *TECH*TM

CAST IRON PEDESTAL & CLOSE COUPLED GEAR PUMPS



*Self priming, pulse free positive displacement.
For industrial, agricultural and commercial applications where dependability
and heavy duty service is required.*

ADAPTABLE TO OEM SPECIFIC DESIGN REQUIREMENTS

Long-wearing, dripless mechanical seals standard on all models. Buna Nitrile, Viton or Teflon can be specified. (Consult factory for alternative sealing methods.)

Standard construction maximum continuous duty rating 125 PSI.

Optional oil less Carbon Graphite Bushings oversized for increased durability and longevity in industrial applications.

Epoxy coated exterior

Maximum pump speed: 1725 RPM.

Bi-Rotational

Optional external or internal relief bypass.

Piston relief/regulating valve standard with 17-4 stainless steel piston. Flow and pressure can be regulated and set while pump is in operation. Direction of relief can be selected for either pump rotation by reversing the cover.

Integral self-lubricating ball bearing assembly provides concentricity and extra support of the shaft for radial load. Ideal for long coupled/belt-driven applications.

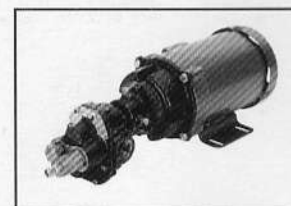
Precision-machined, steel shaft.

Flush ports available for pre-fill or flush of mechanical seal chamber allowing for transfer of high viscous, non-lubricating, or aggressive fluids.

Optional secondary lip seal for closed flush systems enables a neutral fluid to be used as a flush without contamination of the primary fluid.

Precisioned steel gears standard. Optional Polyphenylene Sulfide (PPS) carbon-reinforced gears provide lower noise levels with excellent property retention.

Five (5) available sizes: 1/4", 3/8", 1/2", 3/4", and 1" NPT ports. Offering a flow range to 24 gpm. Upon request, porting can be oversized by one increment.



Motor mounted models are offered close coupled to standard 56C, 145TC, and 182TC frame motors. Ports are capable of 360° rotation in 90° increments.

MODEL ORDERING CODES AND OPTIONS

Example Model MCN5VC6T

(1) M (2) C (3) N (4) 5 (5) V (6) C (7) 6 (8) T

1st	2nd	3rd	4th	5th	6th	7th	8th
Mounting	Material	Seals (Mech)	Port Size (NPT)	Options	Motor Mounted Only		
					Brackets	HP	Type
P: Pedestal	C: Cast Iron	N: Buna Nitrile	2: 1/4"	V: Relief Valve	A: 56C	1: 1/3	3: 3 Phase
M: Motor Mounted		V: Viton	3: 3/8"	L: Secondary Lip Seal	B: 56C/145TC	2: 1/2	ODP
		T: Teflon	4: 1/2"		C: 182/184TC	3: 3/4	T: 1 Phase
			5: 3/4"			4: 1	TEFC
			6: 1"			5: 1 1/2	3T: 3 Phase
						6: 2	TEFC
						7: 3	

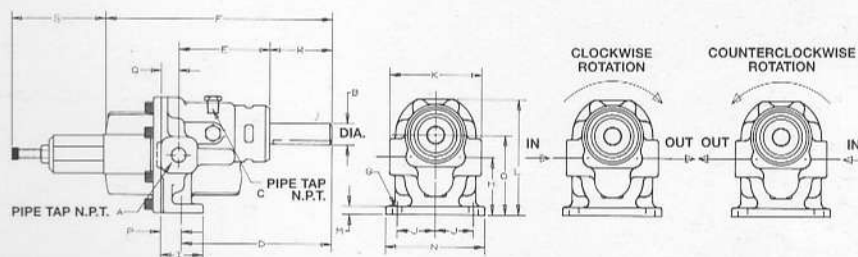
Note: Motor mounted units available in sizes 3/8" thru 1". Maximum motor speed 1725 RPM.

PERFORMANCE

GALLONS PER MINUTE @ TOTAL PSI														
MODEL	PORT SIZE	PUMP RPM	FREE FLOW		25 PSI		50 PSI		75 PSI		100 PSI		125 PSI	
			GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
PC2	1/4"	900	2.5	1/4	2.5	1/4	2.4	1/3	2.3	1/3	2.1	1/2	1.8	1/2
		1200	3.3	1/3	3.3	1/3	3.2	1/2	3.1	1/2	2.9	3/4	2.6	3/4
		1725	4.8	1/2	4.8	1/2	4.7	3/4	4.6	3/4	4.4	1	4.1	1
PC3 MC3	3/8"	900	3.7	1/3	3.6	1/3	3.5	1/2	3.4	1/2	3.2	3/4	2.8	3/4
		1200	4.9	1/2	4.8	1/2	4.7	3/4	4.6	3/4	4.4	1	4.0	1
		1725	7.0	3/4	6.9	3/4	6.8	1	6.7	1	6.5	1-1/2	6.1	1-1/2
PC4 MC4	1/2"	900	5.6	1/3	5.5	1/3	5.4	1/2	5.3	1/2	5.0	3/4	4.5	3/4
		1200	7.5	1/2	7.4	1/2	7.3	3/4	7.2	3/4	6.9	1	6.4	1
		1725	10.8	3/4	10.7	3/4	10.6	1	10.5	1	10.2	1-1/2	9.7	1-1/2
PC5 MC5	3/4"	900	10.8	3/4	10.6	1	10.5	1	10.4	1	10.0	1	9.4	1-1/2
		1200	14.3	1	14.2	1	14.1	1-1/2	13.9	1-1/2	13.5	2	12.9	2
		1725	20.6	1-1/2	20.5	1-1/2	20.3	2	20.2	2	19.8	2	19.2	3
PC6 MC6	1"	900	12.6	3/4	12.5	1	12.3	1	12.1	1	11.7	2	11.1	2
		1200	16.7	1	16.6	1	16.4	1-1/2	16.2	2	15.8	2	15.2	3
		1725	24.8	1-1/2	24.7	1-1/2	24.5	2	24.3	2	23.9	3	23.3	3

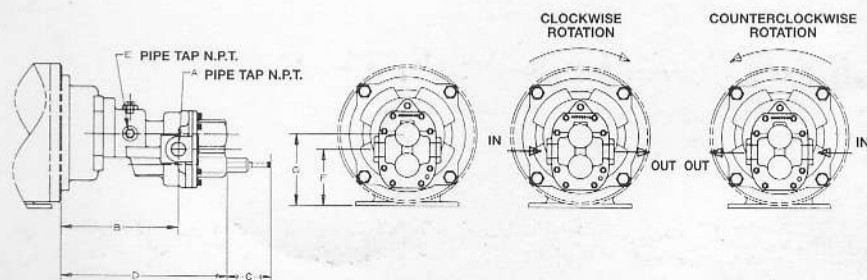
Flows and horsepower data shown are for 10 wt oil having a viscosity of 500 SSU at 70°F.

SPECIFICATIONS AND DIMENSIONS



MODELS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	*S
PC2	1/4	0.500	1/8	3.91	2.70	6.44	.281	1.71	1.26	1.130	2.73	3.42	0.25	2.94	2.36	0.81	0.520	1.50	2.94
PC3	3/8	0.625	1/8	4.66	2.90	7.11	.391	1.88	1.26	1.440	3.26	3.75	0.26	3.63	2.63	0.75	0.625	1.88	2.94
PC4	1/2	0.625	1/8	5.03	3.18	7.48	.391	1.88	1.26	1.440	3.26	3.75	0.26	3.63	2.63	0.75	0.625	1.88	2.94
PC5	3/4	0.750	1/8	5.79	3.60	8.46	.391	2.56	1.74	1.625	4.00	5.13	0.26	4.00	3.58	0.94	0.880	2.25	3.16
PC6	1	0.750	1/8	6.04	3.69	8.70	.391	2.56	1.74	1.625	4.06	5.13	0.26	4.00	3.58	0.94	1.040	2.25	3.17

* Dimension for pumps equipped with regulator relief valves.



MODELS	A	B	*C	D	E	F	G
MC3A	3/8	5.40	2.94	7.60	1/8	2.75	3.50
MC4A	1/2	5.59	2.94	7.97	1/8	2.75	3.50
MC5B	3/4	6.00	3.16	8.51	1/8	2.50	3.50
MC5C	3/4	6.91	3.16	9.42	1/8	3.50	4.50
MC6B	1	6.13	3.17	8.76	1/8	2.50	3.50
MC6C	1	7.04	3.17	9.67	1/8	3.50	4.50

* Dimension for pumps equipped with regulator relief valves.

ITEM	DESCRIPTION
1	COVER
2	GASKET
3	RET. RING (EXT.)
4	GEAR
5	IDLER SHAFT
6	WOODRUFF KEY
7	DRIVE SHAFT
8	DOWEL PIN
9	PLUG
10	BODY
11	RET. RING (EXT.)
12	MECHANICAL SEAL
13	SEAL SEAT
14	RETAINER
15	O-RING
16	RET. RING (INT.)
17	SCREW
18	RELIEF VALVE SEAT
19	PISTON
20	SPRING
21	RETAINER
22	O-RING
23	O-RING
24	CAP
25	LOCK NUT
26	ADJ. SCREW
27	PLUG
28	SET SCREW
29	KEY-SQUARE
30	COLLAR
31	COLLAR SET SCREW
32	RUBBER PLUG
33	SPLINE DRIVE
34	CAPSCREW
35	ADAPTOR
36	LOCK WASHER
37	SCREW
38	BALL BEARING
39	O-RING
40	BUSHING

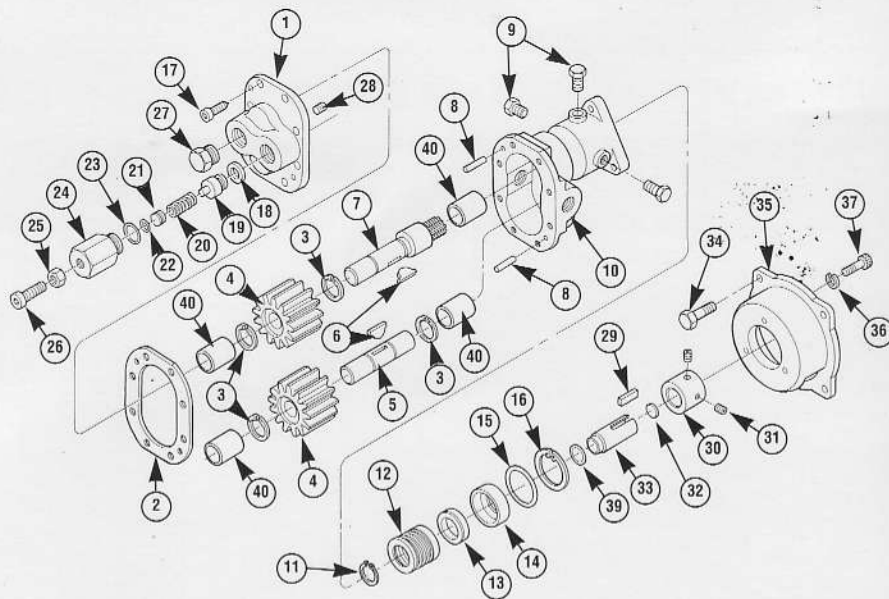
Available Service Kits -

	ITEMS
SEAL ASSY.	12, 13
GEAR REPAIR KIT	2, 3, 4, 6
DR SHAFT ASSY. KIT	7, 11, 12, 13, 14, 38
RELIEF VALVE KIT	19, 20, 22, 23

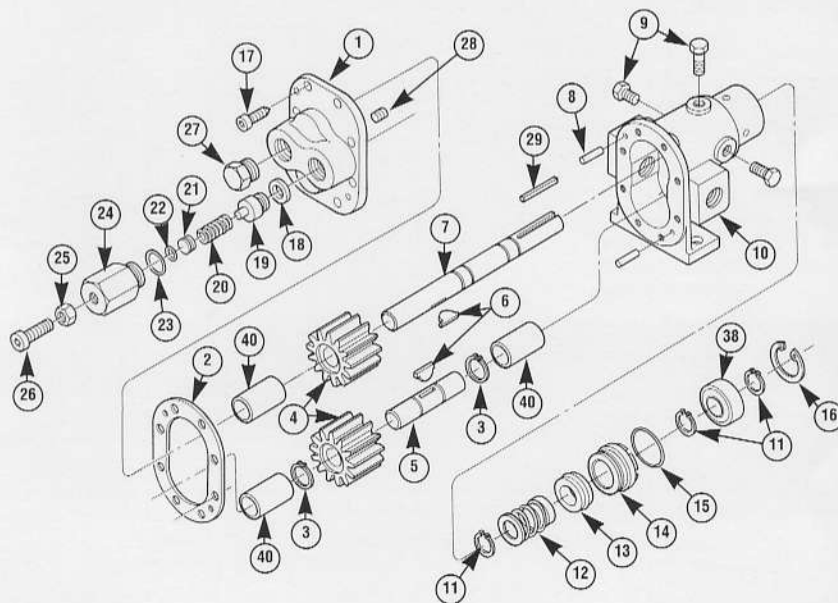
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	ITEMS
SEAL ASSY.	12, 13
GEAR REPAIR KIT	2, 3, 4, 6
DR SHAFT ASSY. KIT	7, 11, 12, 13, 15, 29, 32, 33, 39
RELIEF VALVE KIT	19, 20, 22, 23

CAST IRON CLOSE COUPLED



CAST IRON PEDESTAL



SHERWOOD

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