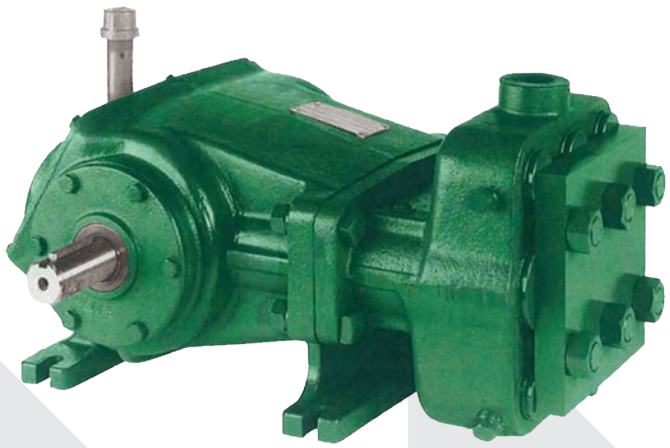
MYERS® C40-20
HIGH PRESSURE RECIPROCATING PISTON PUMP



Over a century of experience has proven that the Pentair's Myers line of reciprocating pumps are designed and built with performance you can rely on. Our C40 high pressure reciprocating pump combines manufacturing expertise and application understanding for a pump that is perfect for a variety of high pressure jobs. For details, contact your Pentair sales representative, or customer service at 419-289-1144.

ADVANTAGES BY DESIGN

HANDLES WIDE RANGE OF DEMANDING INDUSTRIAL APPLICATIONS.

- High-strength fluid end and spring-loaded flat valves for high pressure pumping (up to 2,000 psi) of large water volumes.
- Pumps liquids to 160˚F in mine, mill, food processing, car wash, sewer cleaner and other applications.

HORSEPOWER REQUIREMENTS

Flow Cap. GPM	RPM	Horsepower Required For: 600 PSI	800 PSI	1000 PSI	1200 PSI	1400 PSI	1600 PSI	1800 PSI	2000 PSI
20.3	300	8.4	11.1	13.9	16.7	19.5	22.3	25.1	27.9
25.4	375	10.5	14	17.4	20.9	24.4	27.9	31.4	34.9
32.2	475	13.3	17.7	22.1	26.6	30.9	35.4	39.8	44.2
39.0	575	16.1	21.4	26.8	32.2	37.5	42.8	48.3	53.5

KILOWATT REQUIREMENTS

Flow Capacity LPM	RPM	Kilowatts Required For: 41 BAR	55 BAR	69 BAR	83 BAR	96 BAR	110 BAR	124 BAR	138 BAR
76.8	300	6.3	8.3	10.4	12.6	14.5	16.6	18.9	20.8
96.1	375	7.8	10.4	13.0	15.6	18.2	20.8	23.4	26.0
121.9	475	9.9	13.2	16.5	19.8	23.0	26.4	29.7	33.0
147.6	575	12.0	16.0	20.0	24.0	28.0	32.0	36.0	40.0

Note: Above bold line is continuous duty. Below bold line is intermittent.

- Horsepower required is based upon 85% overall efficiency.
- Formula: (1) HP required = (electric brake) $\frac{GPM \times PSI}{1457}$ or KW = $\frac{LPM \times BAR}{511}$

(2) Expected GPM = Rated GPM x $\frac{Working\ RPM}{Rated\ RPM}$ or

Expected LPM = Rated LPM x $\frac{Working\ RPM}{Rated\ RPM}$ or

Motor shieve O.D. size = Pump shieve O.D. size x $\frac{Pump\ RPM}{Motor\ RPM}$

NOTE: Horsepower requirements for an internal combustion engine (gas or diesel) may be obtained by multiplying the figures listed by 1.3. Do not exceed 80% of the manufacturer's advertised horsepower at operating RPM.

Catalog Number	Max. Rated Capacity GPM (LPM)	Max. Rated Pressure PSI (Bar)	Temp. Rating °F (°C)	Size in inches (mm) Cylinder Bore	Piston Stroke	Displacement Gallons Per Revolution*	Suction Size NPT	Discharge Size NPT	Input Shaft	Keyway	Approx. Wgt. Lbs. (kg)
C40-20 Triplex	40 (193.04)	2000 (138)	160 (71)	2 (50.80)	1 3/4 (44.45)	.0714	2 (50.80)	1	1 3/8 (34.93)	5/16 x 5/32 (7.94 x 3.97)	230 (104.2)

*Displacement based on 100% volumetric efficiency.

PENTAIR

CALDER

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FLUID END

SUCTION, DISCHARGE OPENINGS
Threaded for easy connections.

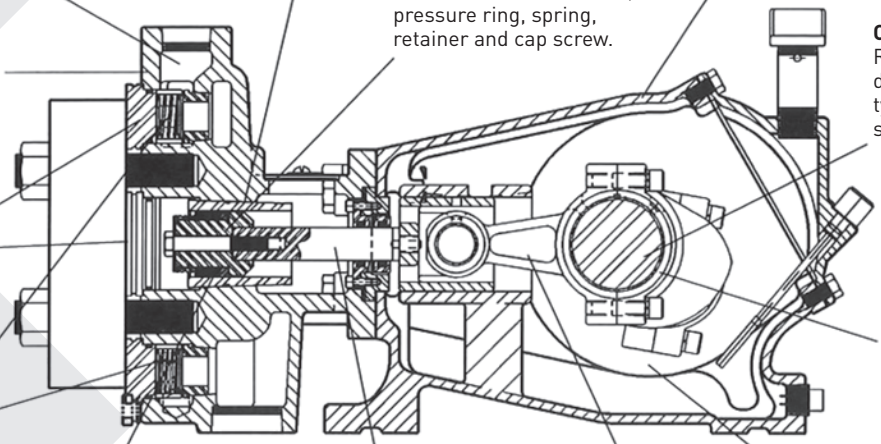
CYLINDERS
Tapered stainless steel liners with ceramic coating.

BODY
Rugged cast gray iron crankcase serves as oil reservoir. Removable cover section for easy service.

PISTON ASSEMBLY
Solid stainless steel stud, pressure ring, spring, retainer and cap screw.

BODY
High strength ductile iron.

CRANKSHAFT
Rotates in either direction. Automotive-type heat-treated alloy steel.



VALVE & CYLINDER CAPS
Buna-N O-rings and back-up ring.

MAIN BEARINGS
Tapered roller bearings.

VALVE ASSEMBLIES
All stainless steel. Spring-loaded valves, hardened seats.

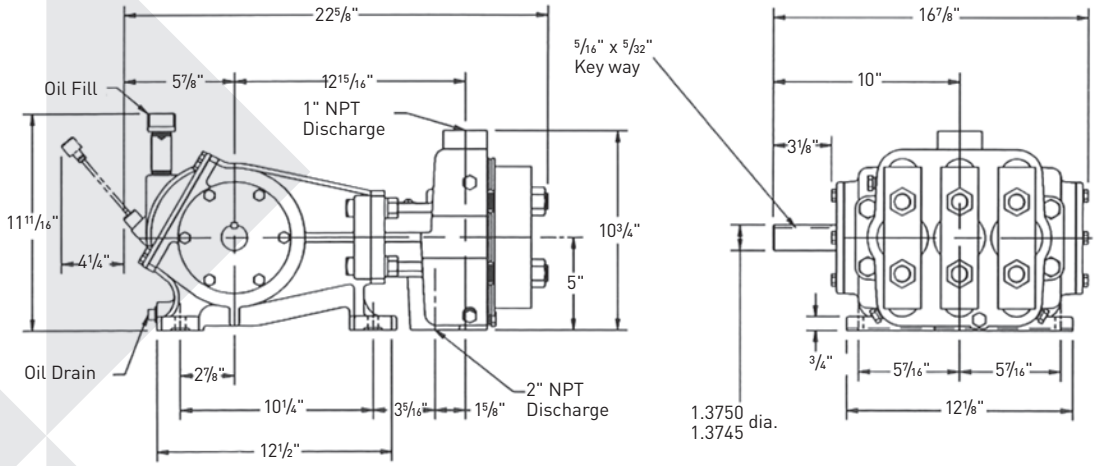
CONTINUOUS SPLASH LUBRICATION
In either rotation direction.

PACKING
Nitrile with cotton fabric. Multi-lip V-ring supported by brass follower.

CROSSHEADS
Heavy-duty ductile iron. "Pony" rods are axially threaded and pinned, polished stainless steel.

CONNECTING LINKS
Cast ductile iron with replaceable bronze bearings.

DIMENSIONS



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