



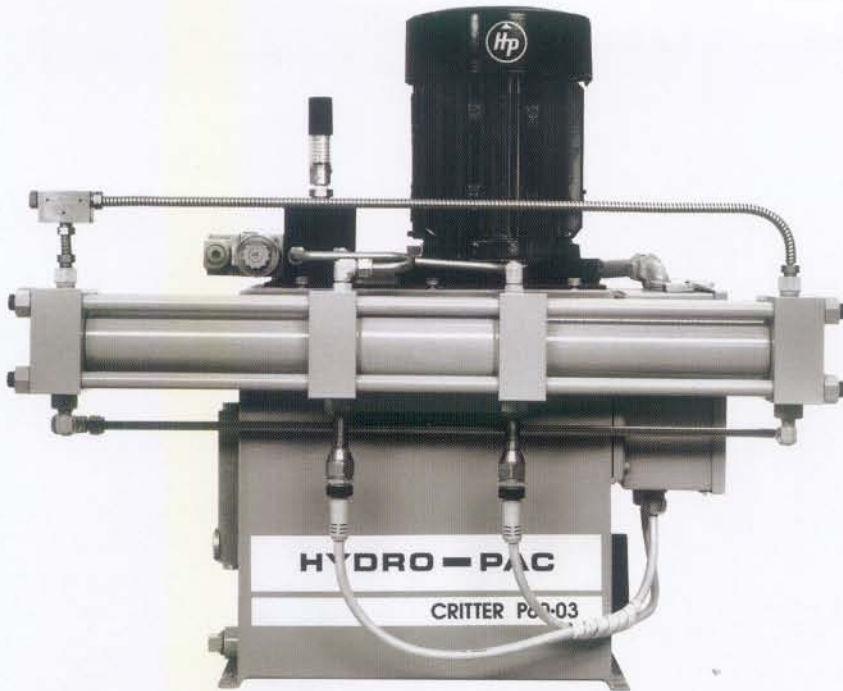
HYDRO-PAC INC.



Li'l CRITTER™ High-Pressure Pumps



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HYDRO-PAC

Li'l CRITTER™ High-Pressure Pumps

were designed by Hydro-Pac to offer big pump reliability and service life in smaller machines.

These smaller versions of Hydro-Pac's large pumps are well suited for laboratory and light production applications. Available in 3 and 5 hp, for pressures from 15,000 psi to 100,000 psi.

The compact size of these machines allows bench, cart or floor mounting.

Fluids

- Oil
- Water (optional)
- Soluble oil and water
- Glycol
- Other noncorrosive fluids
- Optional flammable fluids

Applications

Li'l CRITTER™ High-Pressure Pumps are ideally suited for:

- Cold isostatic pressing
- Bolt tensioning
- Hydrostatic pressure testing
- Burst testing
- Autofretting
- High-pressure injection
- Calibration of pressure transducers or other instruments
- Pressure sterilization of food products

Utilities

- Electrical:
230/460 v, 3 ph, 60 Hz
(Other voltages available)
- Coolant:
90 F maximum, 0.25 gpm/hp
(30 C maximum, 1.25 lpm/kW)

Features

Li'l CRITTER™ High-Pressure Pumps feature:

- Double-ended intensifier discharges in both directions of stroke.
- Pressure energized seals adjust automatically for wear.
- Water cooled hydraulic oil prevents over heating in continuous duty applications.
- Low inertia hydraulic drive allows starting under full load conditions.
- Reversible valve seats allow use of both sides prior to replacement of the seat.
- Hydraulic power unit pressure limiter protects against over-pressurization.
- **CRITTER PUMPS eliminate the need for a large compressed air supply since they are electro-hydraulically driven.**

Standard Equipment

Li'l CRITTER™ Pumps are furnished as complete units.

- High-pressure intensifier with inlet and discharge check valves
- Hydraulic power unit with pump, directional control valve and filters
- Electric motor, 230/460 v, 3 ph, 60 Hz, TEFC
- Instruction manual with parts list



Specifications

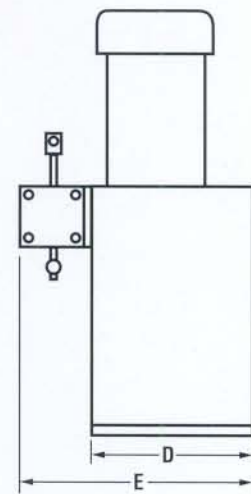
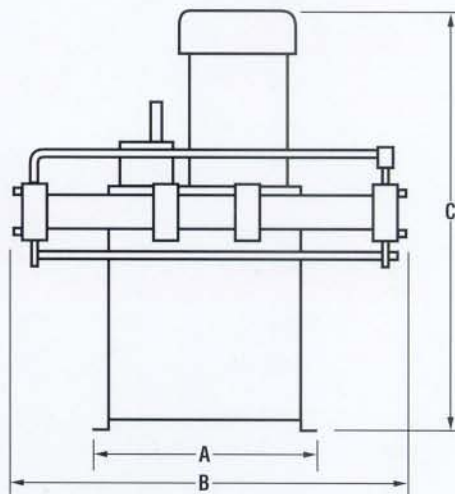
Model	Pressure		Capacity		Power		Weight		Reservoir		Inlet Connection	Discharge Connection
	psi	MPa	gpm	lpm	hp	kW	lb	kg	gal	liter		
P15-03CX	15,000	105	0.25	0,95	3	2,25	200	90	10	40	1/4 FNPT	SF375CX 3/8 x .203 HP
P15-05CX	15,000	105	0.40	1,50	5	3,75	200	90	10	40		
P30-03CX	30,000	210	0.12	0,45	3	2,25	200	90	10	40	1/4 FNPT	F250C 1/4 x .083 HP
P30-05CX	30,000	210	0.20	0,75	5	3,75	200	90	10	40		
P60-03CX	60,000	415	0.06	0,20	3	2,25	200	90	10	40	1/4 FNPT	F250C 1/4 x .083 HP
P60-05CX	60,000	415	0.10	0,40	5	3,75	200	90	10	40		
P100-03CX	100,000	690	0.03	0,10	3	2,25	200	90	10	40	1/4 FNPT	F312C150 5/16 x .062 HP
P100-05CX	100,000	690	0.06	0,20	5	3,75	200	90	10	40		

Dimensions

Model	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
P15-03CX	16.75	425	22.25	565	31	790	15	380	18.75	475
P15-05CX	16.75	425	22.25	565	31	790	15	380	18.75	475
P30-03CX	16.75	425	31.50	800	31	790	15	380	19.75	500
P30-05CX	16.75	425	31.50	800	31	790	15	380	19.75	500
P60-03CX	16.75	425	31.50	800	31	790	15	380	19.75	500
P60-05CX	16.75	425	31.50	800	31	790	15	380	19.75	500
P100-03CX	16.75	425	34.75	880	31	790	15	380	20.75	525
P100-05CX	16.75	425	34.75	880	31	790	17	430	20.75	525

Optional Equipment

- Manual pressure control (5 hp units)
- 0 to 10 VDC proportional pressure control (5 hp units)
- Manual flow control (5 hp units)
- All stainless steel wet ends for use with water or comparable process fluids
- Process fluid reservoir
- Spare parts kit
- Motor starter
- Pressure gauge
- Coolant-flow sensor
- Oil reservoir heater
- Explosion-proof motor and controls
- Installation assistance



When ordering or inquiring about Li'l CRITTER® Pumps please specify:

- Process fluid
- Power available, voltage and frequency
- Cooling water temperature
- Indoor or outdoor installation
- Any desired options
- Model number (if known)

Other Products

Hydro-Pac designs and manufactures equipment to generate, control and monitor high-pressure fluids and gases.

- Low-pressure gas compressors 1000 to 10,000 psi, 3 to 40 hp.
- Large high-pressure gas compressors 2000 to 100,000 psi through 200 hp.
- High-pressure pumps 10,000 to over 100,000 psi, 1/2 to 400 hp.
- Large port valves, fittings and tubing for high-flow requirements at 40,000 to 100,000 psi.

- Electrical power and thermocouple glands to operate furnaces and electronic equipment in pressurized environments to 60,000 psi.
- Large high-pressure vessels designed and manufactured in accordance with ASME Code Section VIII, Divisions 1, 2 and 3.
- Complete high-pressure systems.

Call or write Hydro-Pac Inc. for your pressure equipment requirements. Our complete Product Catalog is available upon request.



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