Li'l CRITTER™ High-Pressure Pumps
**Li'I CRITTER™ High-Pressure Pumps**

**Features**

Li'I 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 seat.
- Hydraulic power unit pressure limiter protects against overpressurization.
- **CRITTER PUMPS eliminate the need for a large compressed air supply since they are electro-hydraulically driven.**

**HYDRO-PAC**

Li'I 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.

**Applications**

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

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

**Standard Equipment**

Li'I 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

**Fluids**

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

**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)
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Pressure psi</th>
<th>Capacity gpm</th>
<th>Capacity lpm</th>
<th>Power hp</th>
<th>Power kW</th>
<th>Weight lb</th>
<th>Weight kg</th>
<th>Reservoir gal</th>
<th>Reservoir liter</th>
<th>Inlet Connection</th>
<th>Discharge Connection</th>
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<td>0.25</td>
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<td>200</td>
<td>90</td>
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### Dimensions

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<th>A in</th>
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### 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.

HYDRO-PAC INC.

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