

Proven Performance
for
Better Pumping Solutions



**K.L. Series Progressive
Cavity Pumps**



HYDRO PROKAV PUMPS (INDIA) PVT. LTD.,



Hydro Prokav L-Frame pumps have stood the test of time for over 15 years meeting thousands of application challenges. Performance-enhancing and cost-saving features provide outstanding benefits that maximize operating efficiency and save time and money.

Features and Benefits

- ▶ Cost-effective open pin joint design
- ▶ Low total cost ownership
- ▶ Non-pulsating metered flow for accurate process control
- ▶ Long life even handling abrasive fluids
- ▶ Vibration-free for quiet operation
- ▶ Compression fit between rotor and stator for high volumetric and mechanical efficiency
- ▶ Easy, on-site maintenance
- ▶ Fluid temperature range to 350° F / 175° C
- ▶ Steady flow under wide NPSH variations
- ▶ Handle solids upto 1" diameter
- ▶ Reversible rotation
- ▶ High suction lift to 28'
- ▶ No pistons, valves are timing gears to wear out or gum up
- ▶ Self-priming to prevent vapour or air lock
- ▶ Low shear pumping
- ▶ Viscosities over 1,000,000 cps

Typical Applications

- ▶ **Water & Wastewater treatment**
 - ▶ Chemical feed ▶ Sampling ▶ Lime slurries ▶ Polymer transfer
- ▶ **Pulp & Paper**
 - ▶ Paper ▶ Starch ▶ Clays
- ▶ **Chemical**
 - ▶ Pastes and Gels ▶ Paint ▶ Soaps and detergents
- ▶ **Food**
 - ▶ Ground meat emulsions ▶ Fats and lard
 - ▶ Chunked fruits and fruit slurries ▶ Grain mash and spent grains
- ▶ **Petroleum**
 - ▶ Crude Oil ▶ Polymers
- ▶ **Building Materials**
 - ▶ Mortar ▶ Grout ▶ Asphalt ▶ Coatings ▶ Lubricants
- ▶ **Coal Industry**
 - ▶ Drilling muds ▶ Coal/water and coal/oil slurries ▶ Burner feed
- ▶ **General**
 - ▶ Oil/Water separations ▶ Mastics ▶ High pressure water

Pumping Versatility

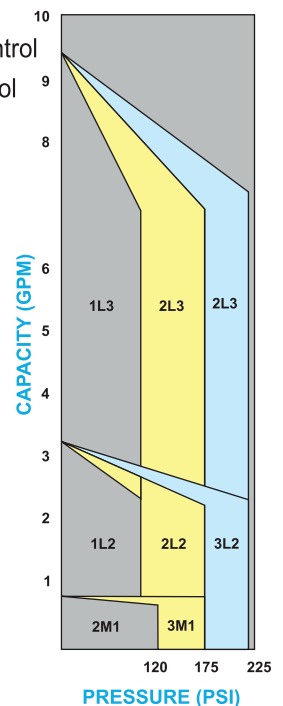
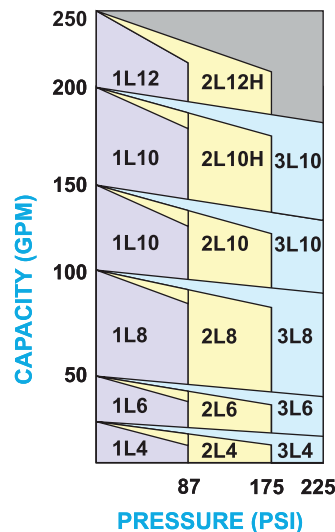
Hydro Prokav L-Frame pumps are available with a wide variety of drive options, packings, motor and controls to meet your exact application needs.

- ▶ Capacities to 200 gpm ▶ Pressures to 225 psi
- ▶ Simple pin-type universal joint drive assembly for easy maintenance
- ▶ Modular design ▶ Wide selection of materials of construction



Options

- ▶ Variety of drives and mounting configurations
- ▶ Mechanical seals or packing
- ▶ Electronic pump controls
- ▶ Open and closed loop systems ▶ Variable speed control
- ▶ Metering and batching control ▶ Fluid detection control
- ▶ Tachometers, gauges and other accessories



*Hastelloy is a trademark of Cobot Corp.

**Hypalon, Teflon and Viton are trademark of E.I Dupont de Nemours and Company.

*** Monel is a trademark of Inco Alloy International®.

**** Thiokol is a trademark of Thiokol Chemical Corp.

Other materials and Special Configuration available upon request.

MATERIALS OF CONSTRUCTION		
	STANDARD MATERIALS	SPECIAL MATERIALS
Pump Body	Cast Iron 316 Stainless Steel	Carpenter 20 Hastelloy*, Monel***
Internals, Including Rotor Stators	Alloy Steel 316 Stainless Steel	Carpenter 20 Hastelloy*, Monel***
	EPDM (to 260° F) Fluoro elastomer (to 350° F) Nitrile (to 210° F) Natural Rubber (to 185° F)	Viton**, Thiokol****Hypalon**, Teflon**White Nitrile, Urethane Alloy Steel, 416 Stainless Steel



HYDRO PROKAV PUMPS (INDIA) PVT. LTD.,

Pumping Solution for all Industrial Needs



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