

DARLING

Since 1888

Class 'L' in-line pumps

PUMP FEATURES

CASING is of high-grade cast iron with *parabolic cross section. Suction inlet is designer for proper velocity and entrance angle to guarantee quiet operation. Boss for tapings is provided for both discharge and suction gauges.

BRONZE CASING WEARING RINGS prevent wear and ensure low cost maintenance.

IMPELLER of Bronze is enclosed type, cast in one piece, carefully balanced and has smooth water passages for maximum performance. Hydraulic balance assures minimum load on motor bearings.

CARBON STEEL SHAFT is designed for minimum deflection at the mechanical seal face and minimum vibration at all speeds. Impeller is secured by stainless steel cap screw and lockwasher.

***STAINLESS STEEL SHAFT SLEEVE** gives corrosion resistance beneath seal bellows. This eliminates the requirements for high cost, special stainless steel motor shaft.

PUMP BRACKET is of high grade cast iron.

MECHANICAL SEAL, fitted with Viton bellow, is suitable for 125 PSIG suction pressure of 250 °F temperature. Sealing surface is *Posiflushed for heat dissipation and long seal life.

ADVANTAGES

ALL PUMP PARTS except for the casing are 100% interchangeable with class 'D' high quality, high production pumps.

PULL-OUT DESIGN simplifies disassembly for service and inspection without disturbing suction and discharge piping.

- **EXCLUSIVE darling feature**

**CLASS 'L'**

QUICK PUMP SELECTOR

STANDARD	OPTIONAL (EXTRA)
- Bronze impeller	- Daralloy impeller
- Bronze casing wearing rings	- All iron construction
- Carbon steel shaft	- All bronze construction
- Stainless steel shaft sleeve	- External flushing line to seal (standard on LC & LY 15 HO and above)
- Mechanical shaft seal	- 250# ASA (LC only)
- Close coupled arrangement	- Abrasive separator
- 125# ASA flanges	- Drain & vent tapings