



PULSA Series® 340 Metering Pump

0-11.5-gph
175 psig
10-ft. lift

- **Smallest, most economical PULSA Series.**
- **Precision, reliability and muscle for tough jobs**
- **Includes many normally optional engineering features.**
- **Latest refinement in accurate, highly reliable, low-maintenance diaphragm pump technology.**
- **Ideal for handling corrosives, non-corrosives, high viscosities, slurries, and high-lift requirements in labs, pilot plants, CPI, water/wastewater treatment and other industries.**

POWERFUL:

175 psig with 10-ft. suction lift capacity.

RELIABLE:

Enclosed, flooded lubrication.

TROUBLE-FREE:

Designed to resist weather, wear, corrosion, and punishment. Features include hydraulically balanced Hypalon® or Viton® diaphragm, our glass-filled polypropylene or 316SS HYDRACONE head, TEFC motor, needle bearings at high load points, built-in hydraulic bypass valve, die-cast body and cover, and PULSA Series leakproof operational design.

SERVICEABLE:

Easily maintained and serviced because of its design simplicity and ready availability of parts.

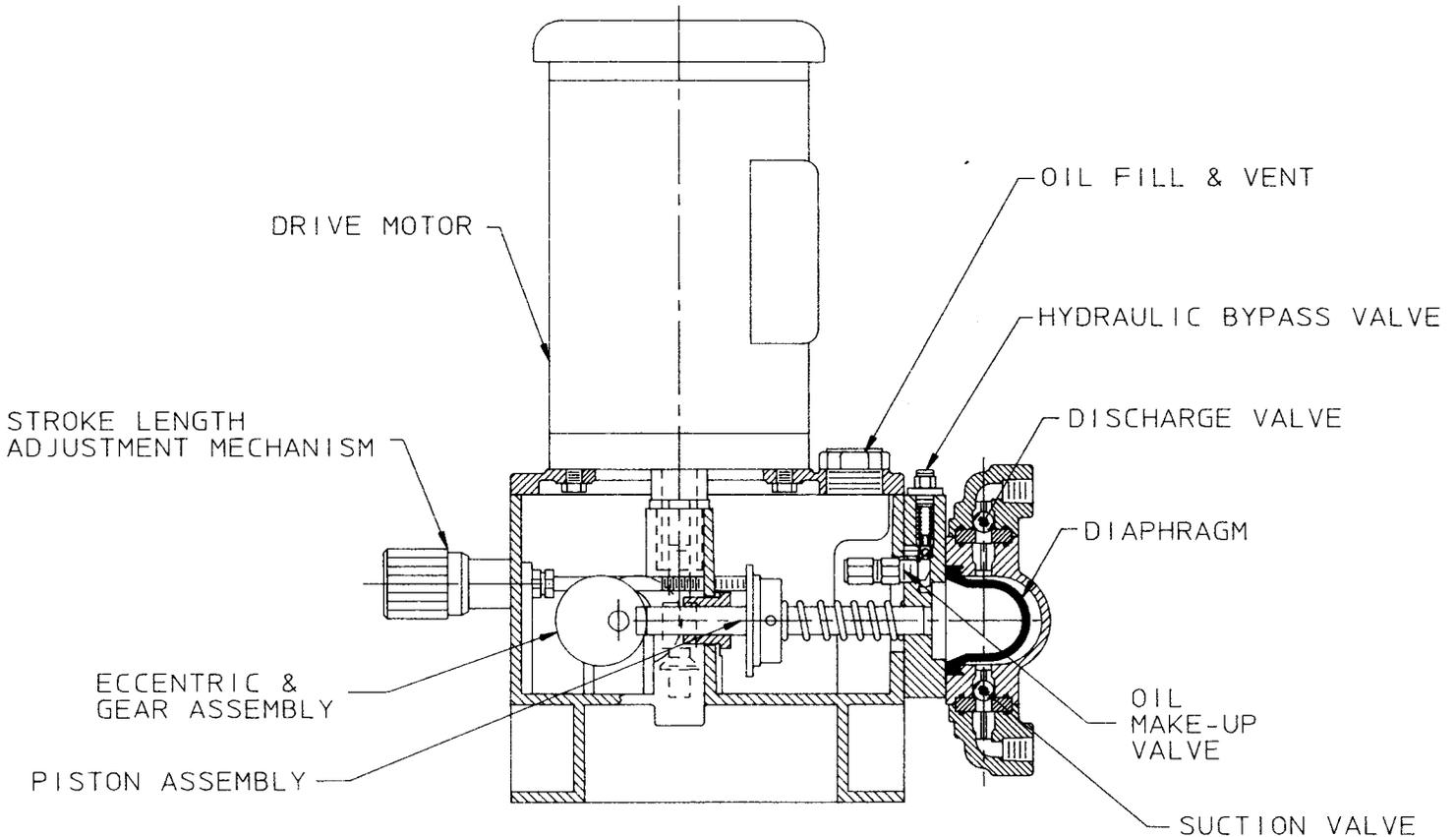
APPLICABLE:

Ideal for handling phosphoric acids in effluent treatment; Hypochlorites for water/wastewater treatment; Polymers; pH control; cooling water treatment chemicals, defoamers, slimicides, wire life extenders, and dyes in papermills; perfumes in candle, soap and cosmetic production; fogging oil for pipeline and valve lubrication on natural gas; corrosion inhibitors, coagulant aids, antifoaming agents, and other elements in processing; various acids for batch rejuvenation in metal treatment processes; and much more.

GUARANTEED:

PULSAFEEDER guarantees drive assemblies for a period of two years from the date of shipment.

PULSA 340 Diaphragm Metering Pump from PULSA Series



Flow at Rated Pressure GPH (L/Hr)	Stroking Rate SPM	Maximum Rated Pressure PSIG	Kg/cm	Piston Diameter in.	Inlet/Outlet Size FNPT, in.
2.4 (9.1)	88	175	12	0.50	0.25
5.5 (20.8)	88	150	11	0.75	0.25
11.5 (43.6)	175	150	11	0.75	0.25

COMPACT: Measures only 12" long x 6.12" wide x 15.12" high.

LIGHTWEIGHT: Only 21.5 lbs.

CAPABLE: Capacities from 0-2.4, 0-5.5 or 0-11.5 gph.

ADJUSTABLE: Manually controlled over 0-100% of rated capacity.

HOW IT WORKS

A flanged vertically mounted motor drives a worm shaft at constant speed. Through worm gear reduction and eccentric motion, a reciprocating power stroke is transferred to the piston. The length of the piston stroke determines capacity, and it can be adjusted manually. The forward movement of the piston pressurizes hydraulic fluid which expands the elastomer HYDRACONE® diaphragm in direct relation to piston travel.

As the diaphragm expands, chemical or pumped fluid is forced from the reagent head and out the discharge check valve. When the piston starts to return, the hydraulic pressure is released and the HYDRACONE returns to its normal shape. This diaphragm return, not affected by inlet pressure conditions, draws in new fluids even under high suction lift.

Any oil seepage past the piston is replaced through automatic make-up; no adjustments are necessary. A hydraulic bypass valve protects the pump against excessive internal pressure.

The gear box is filled with PULSAube® oil which provides continuous lubrication for all power elements and serves as hydraulic medium between piston and diaphragm.

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PULSAFEEDER
A Unit of IDEX Corporation

Manufacturers of Quality Pumps,
Controls and Systems



ENGINEERED PUMP OPERATIONS
2883 Brighton-Henrietta Town Line Road
Rochester, New York 14623
Telephone (716) 292-8000
FAX (716) 424-5619
<http://www.pulsa.com>

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