

CENTRALIZED LUBRICATION SYSTEMS

PMP100 SERIES - PNEUMATIC

The PMP100 Series air operated metering pumps are unique in that each outlet/feed is an individual positive displacement pump. These pumps are ideal for dispensing precise, easily adjustable volumes of a variety of fluids including: oils or grease for lubrication, inks, dyes, chemical additives and cutting fluids. The factory should be consulted before using with high water base fluids.

The air operated metering pumps are:

- Positive displacement
- Self priming with up to 27 InHg (686mmHg)
- Will operate in any position.

They are available in 1 to 15 feeds for oil or 1 to 5 feeds for grease with each feed independently and externally adjustable from 0 to .01 cu. in. (0 to .20 cu. cm.) by a micrometer thread .02 (.57mm) pitch.

A patented feature allows additional pumps (**AMP100**) to be easily added to a **PMP100-02** or more pump banks. The air operated metering pumps are intended for "on command", higher output pressure applications where a compressed air supply of 25 to 125 PSIG (172.50 to 862.50 kPa) is available.

All feeds will actuate at the same time "on command" by using compressed air or other fluids through LDI Industries' 3-way Solenoid Valve (item no. **832160**) actuated by LDI's Repeat Cycle Timers (item no. **833380**). LDI's R100 Series filtered reservoirs are ideal for oil applications.

Grease applications should use LDI's **GCA100** or **GCA200** Grease Cartridge Adapters or **GR75** or **GR168** Grease Reservoirs.

Standard Materials:

- Aluminum, Brass, Steel, Acrylic
- Buna N & Viton® seals

Temperature and Pressure Ratings:

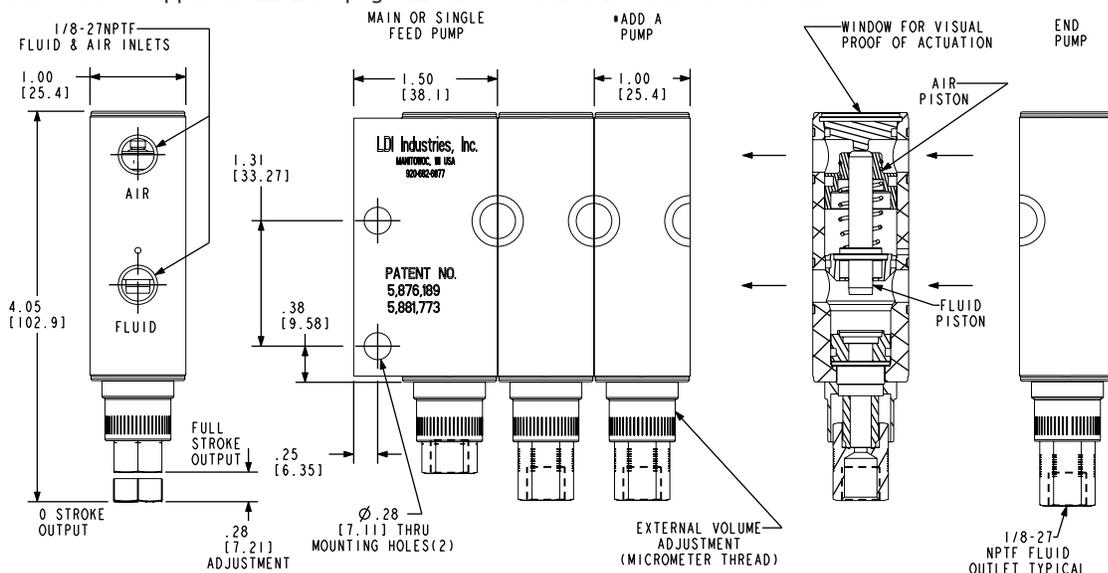
- Maximum operating temperature up to 120°F (48°C)
- Minimum operating temperature 0°F (-17°C), oil
- Minimum operating temperature 32°F (0°C), grease
- Maximum output pressure up to 250 PSIG (1725 kPa)

CAUTION:

- For grease applications, the combination of higher viscosities, ambient temperatures lower than 32°F (0°C), excessively long runs of output feed lines, along with the type and use of smaller inside diameter feed lines, will have an effect on the feed rate and output capabilities of these pumps.

NOTE:

- Please refer to Appendix LE-2 on page LE-A2 for PMP100 Installation information



NOTE: All dimensions are inches [mm]

HOW TO ORDER:

After **PMP100** (Part Number), specify the number of feeds required, separated by a dash (-). Specify 1 through 15 feeds (-01/-15).

Example

PMP100-05 — 5 FEED

To Add A Pump to existing multiple feed bank, order Part Number **AMP100** (Not used with single feed P/N PMP100-01)

Patent Numbers: **5,876,189** and **5,881,773**

Dimensions and specifications are subject to change without notice. Not all items are Made-To-Stock, contact us for availability.

02/14

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