

METERING PUMPS

P N E U M A T I C P L U N G E R

General Specifications: 87TA Series Pneumatic Metering Pumps

Wetted Parts:

Pump Body:	316 Stainless Steel
Plunger:	17 - 4 PH Stainless Steel or Ceramic
Plunger Seal:	Refer to Ordering Chart

Check Valves :

Body:	316 Stainless Steel
Ball:	Carbide
Spring - Discharge:	316 Stainless Steel

Pneumatic Section:

Piston Housing:	303 Stainless Steel
Timer:	303 Stainless Steel

Plunger Sizes: 1/4" plunger diameter

Pressure: To 2,500 psi, maximum

Optional Materials: Hastelloy, Monel, & Titanium

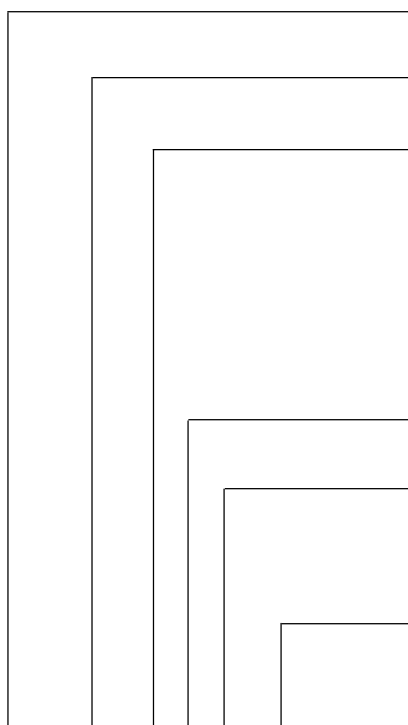
The LINC 87TA Series: Pneumatic, Plunger-Type Metering Pump Selection Chart

Model Number	Plunger Diameter	Piston Diameter	Maximum Rate Gal/Hr	Maximum Rate Liter/Hr	Minimum Rate Gal/Hr	Minimum Rate Liter/Hr	Maximum Pressure psi ⁶	Maximum Pressure bar ⁶	Theoretical Amp. Ratio	Strokes Per Minute	Volume Per Stroke	Stroke Length
87TA-11-x1	1/4"	1 1/2"	0.76	2.88	0.006	0.024	2,500	172	36:1	4 - 60	0.80 cc	1"

Notes:

1. Maximum rates are based on 60 strokes per minute
2. Minimum rates are calculated on 1/8" stroke length and a minimum of 4 strokes per minute.
3. The timer supply pressure is 15 to 100 psi.
4. Wetted O-Rings are TFE.
5. When creating a Model Number, using the Ordering Chart, the "x" in the Model Number column above will be replaced by a single digit representing the plunger seal selection. The plunger seal is shown in the Ordering Chart.
6. Maximum pressure based on 100psi supply pressure.

Ordering Chart: LINC 87TA Series Pneumatic Plunger Metering Pump



Series:

87TA - Pneumatic, plunger-type metering pump

Plunger:

11 - 1/4" plunger diameter

Plunger Seal:

- 1 - Packing mechanical seal - Fluorocarbon, wetted o-rings - TFE
- 2 - Packing mechanical seal - Fluoromyte, wetted o-rings - TFE
- 3 - Packing mechanical seal - Nitrile, wetted o-rings - TFE
- 4 - Packing mechanical seal - TFE/Graphite, wetted o-rings - TFE
- 5 - Specify your requirements
- 6 - Packing mechanical seal - Ultra High Molecular Weight Polyethylene, wetted o-rings - TFE
- 7 - O-rings packing seal - Fluorocarbon, wetted o-rings, TFE
- 8 - O-rings packing seal - Nitrile, wetted o-rings - TFE
- 9 - O-rings packing seal - Kalrez, wetted o-rings - Kalrez

Piston Size:

1 - 1 1/2" - piston diameter

Other:

- 4 - Ceramic
- 5 - Specify your requirements
- 9 - All 316 ss pump/timer

Option Number:

() - Factory will assign an option number based on specified requirements.

Note: If no further requirements are desired, omit "Other" options codes from the part number.
Example 87TA-11-41.

LINC 87TA- _____ - _____ ()

Example: LINC 87TA-11-41 Pneumatic Metering Pump

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P N E U M A T I C P L U N G E R

Figure 1, 87TA Series Pneumatic Metering Pump

