

Yamada

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Printing Ink Supply Pumps

The Heartbeat of Consistent Color

Yamada
www.yamadainkump.com



INNOVATIVE AND RELIABLE DESIGN



The Yamada Corporation has been a leading producer of industrial equipment since 1905 and of fluid handling products for over 60 years. As a pioneer of pumping technology, Yamada is known in many industries worldwide for its innovative products, superior quality, and unmatched reliability. Other companies may claim to be innovators, but an impressive history of delivering new products and solving customer problems confirms Yamada's position as an industry leader.

Yamada's reputation for manufacturing top quality products, allied with perennial efforts in research and development has created a strong foundation for market leadership. As an ISO 9001 certified corporation, stringent quality procedures are followed throughout the manufacturing process, including liquid testing of every pump prior to shipping.

The Yamada Corporation is headquartered in Tokyo, with primary manufacturing based in Sagami-hara City, Japan. Assembly facilities are located in The Netherlands and West Chicago, Illinois. Yamada America, Inc. is a wholly owned subsidiary of Yamada Corporation established in 1986 to provide service and support for the North, Central, and South American markets, through a highly trained network of distributors and representatives.

Yamada's line of **InkPRO® Ink Pumps** are the first pumps specifically engineered for printing ink applications and addresses issues which have historically plagued ink pumping systems; leaking gland seals, difficult and messy drum changes, air motor icing, and noisy operation among others. With the field tested and proven design, Yamada **InkPRO® Ink Pumps** provide highly accurate flow rates under continuous (24/7) operation. The innovative pump architecture keeps the ink replenishment process simple, quick, and clean — eliminating unnecessary and costly press restarts due to ink-starved fountains.

InkPRO® Ink Pumps — *The Heartbeat of Consistent Color.*

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InkPRO® 200
Drum-Type



Yamada's "in-the-field" approach has yielded an accurate, well-engineered ink pump in an easy-to-use, low-maintenance design.

The InkPRO® Ink Pump —

Pump Technology Specifically Designed For Printing Inks —

Yamada Corporation, a pioneer in pumping products for 100 years, developed the InkPRO® exclusively for the transfer of high viscosity printing inks. Other manufacturer's products are designed for grease or spray applications and sell modified versions for pumping ink.

Outside Accessible Air Valve — Yamada has developed the latest in air valve technology to insure that your pump runs longer and requires less maintenance than leading competitive brands. If air valve inspection is necessary, there is no need to remove the pump from service - remove two bolts, access your air valve and minimize your down time.

Unique Inductor Plate — The transformable sealing system (U.S. patent no. 6,422,430) is designed to allow for very easy and clean drum changes.

Oil Container — The visible plastic oil container protects against ink leakage (see through container), maintains a lubricated plunger, and extends gasket life. Lubrication maintenance is minimal.

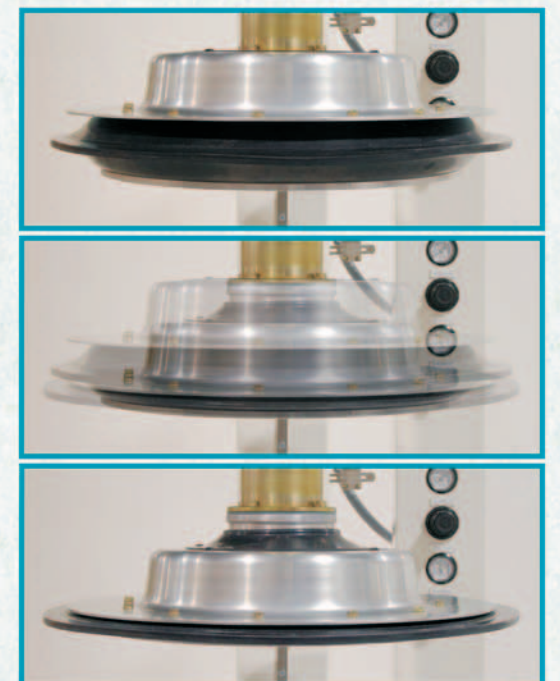
Low-Level Sensor — Easily adjustable pneumatic low-level sensor prevents pump dry running.

Anti-Freezing Design — The high efficiency air valve is designed to reduce air consumption and cycling speed is optimized to eliminate freezing.

Metering — Precision, high quality construction insures accurate metering.

Less Noise — Quiet operation (less than 70dB within 3 feet) vs. competitive models.

InkPRO® Drum-Type
Inductor Plate



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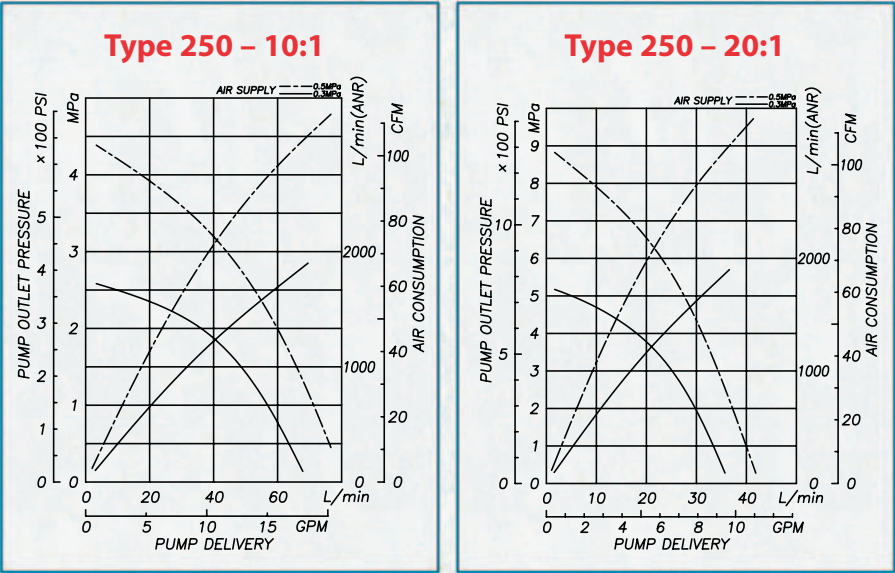


InkPRO® 250 – Drum Type

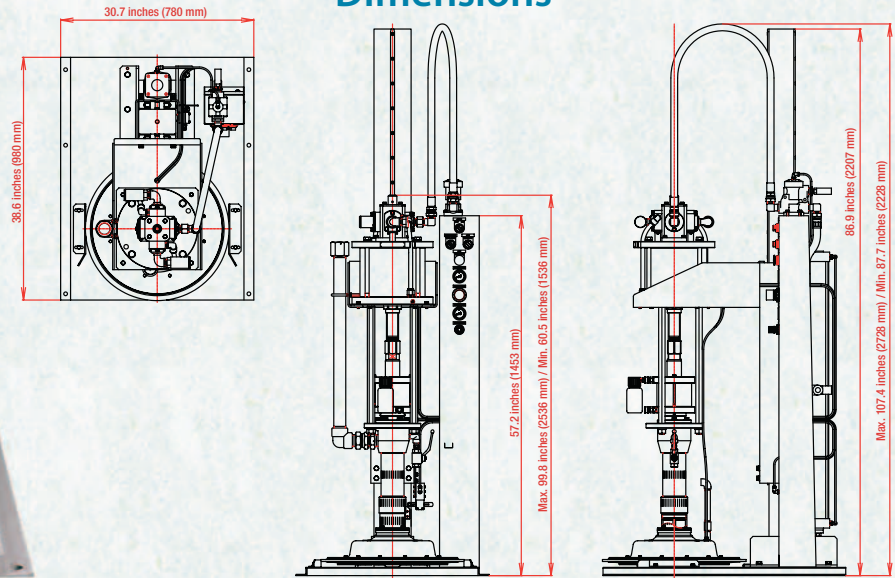
Specifications

Air Motor Size	10 inches	10 inches
Ratio	10:1	20:1
Operating Air Pressure Range	0.2–0.7 MPa / 30–100 psi 2–7 bar	0.2–0.7 MPa / 30–100 psi 2–7 bar
Discharge Volume / Cycle	0.373 gal. (1.411 ltr)	0.195 gal. (0.740 lit.)
Max. Discharge Volume	18.6 GPM (70.6 LPM)	9.8 GPM (37.0 LPM)
Max. Discharge Pressure	4.7 MPa / 682 psi / 47 bar	9 MPa / 1305 psi / 90 bar
Air Consumption / Cycle	1.44 SCFM @ 43.5 psi 2.40 SCFM @ 72.5 psi	1.44 SCFM @ 43.5 psi 2.40 SCFM @ 72.5 psi
Air Supply Dimensions	3/4 inch	3/4 inch
Delivery Port Dimensions	1-1/2 inch	1-1/2 inch

Performance Curves



Dimensions



InkPRO® 250
Drum-Type

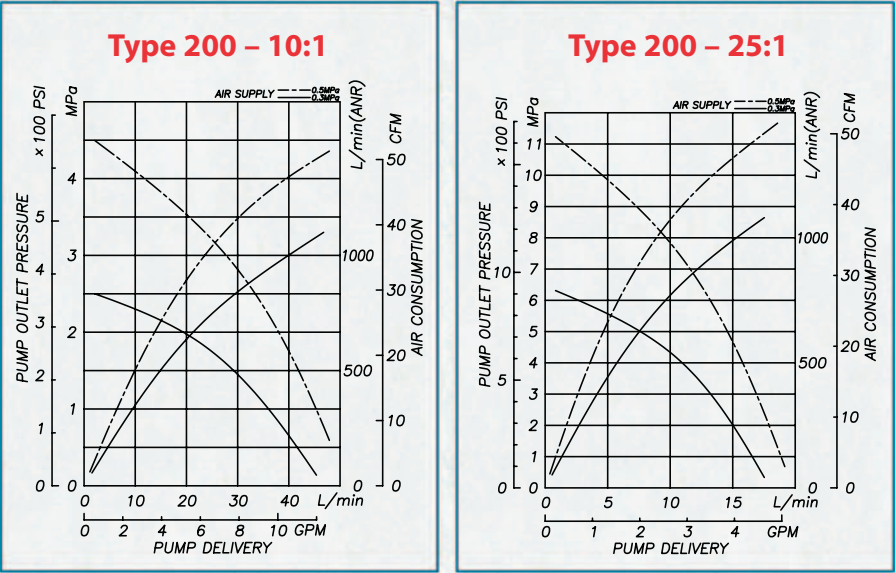


InkPRO® 200 – Drum Type

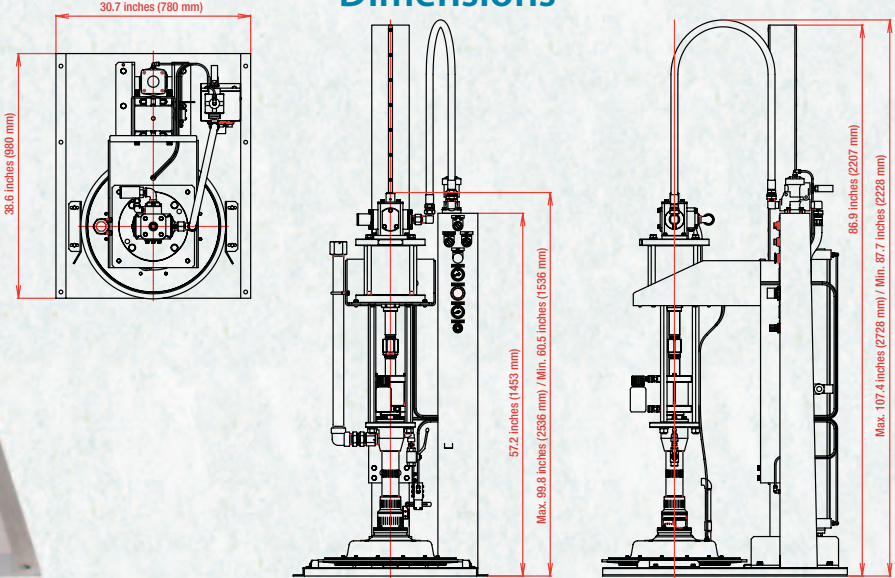
Specifications

Air Motor Size	8 inches	8 inches
Ratio	10:1	25:1
Operating Air Pressure Range	0.2–0.7 MPa / 30–100 psi 2–7 bar	0.2–0.7 MPa / 30–100 psi 2–7 bar
Discharge Volume / Cycle	0.248 gal. (0.940 ltr.)	0.094 gal. (0.355 ltr.)
Max. Discharge Volume	12.4 GPM (47.0 LPM)	4.7 GPM (17.8 LPM)
Max. Discharge Pressure	4.7 MPa / 682 psi / 47 bar	11.7 MPa / 1697 psi / 117 bar
Air Consumption / Cycle	0.91 SCFM @ 43.5 psi 1.52 SCFM @ 72.5 psi	0.91 SCFM @ 43.5 psi 1.52 SCFM @ 72.5 psi
Air Supply Dimensions	3/4 inch	3/4 inch
Delivery Port Dimensions	1-1/2 inch	1-1/4 inch

Performance Curves



Dimensions



InkPRO® 200
Drum-Type



InkPRO® 200 and 250

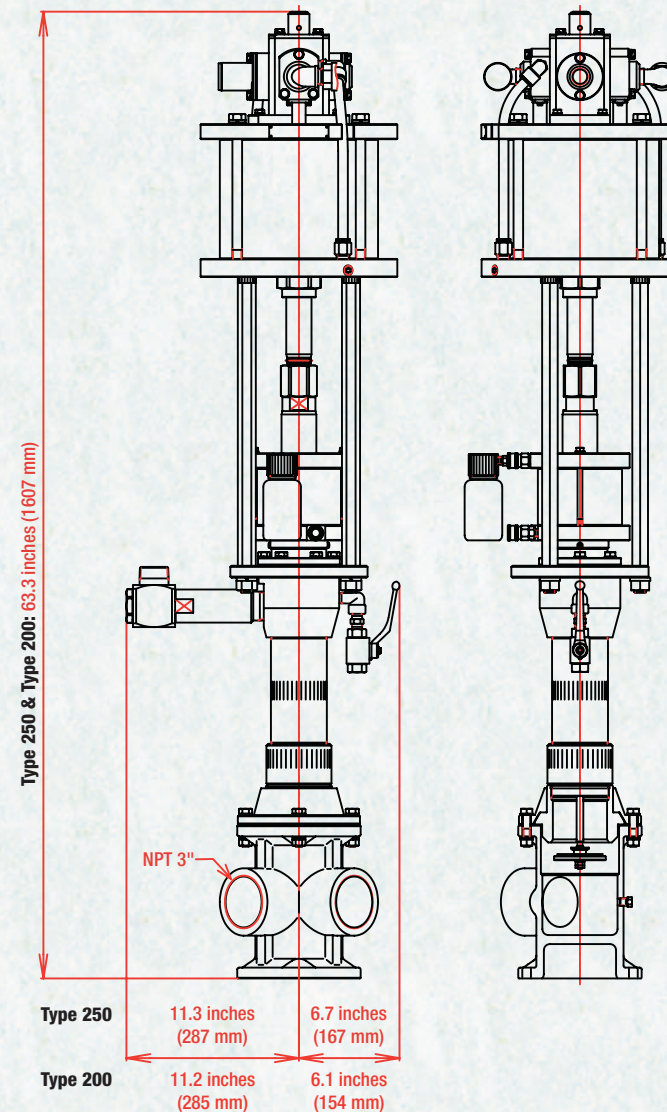
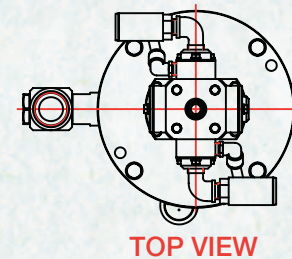
Bulk / Tote Type Ink Pumps

Specifications

See Drum-Type Pump Specifications and Performance Curves on preceding pages.



**Bulk/Tote Base
Retrofits to Existing
Installations**



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InkPRO® Ink Pump Accessories & Utility Pumps

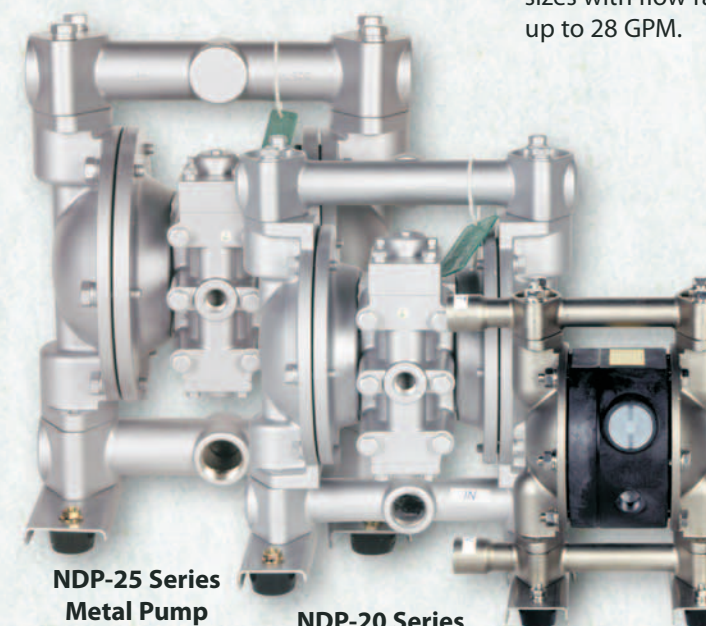
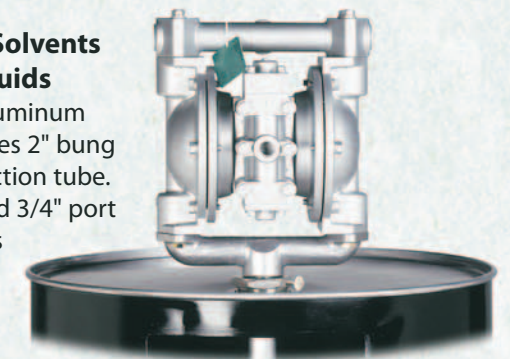
**Pale Top Oil
Supply Pump**
Part #1986
Used to supply
ISO-grade 10
(additive-free)
spindle oil to the
200 or 250 Series
oil container.



**Spindle Oil
Evacuation Gun**
Part #1225
Used for
evacuation of oil
from the 200 or
250 Series oil
container.



**Drum Pump for Solvents
and Washing Liquids**
Stainless steel or aluminum
construction includes 2" bung
adapter and 33" suction tube.
Available in 3/8" and 3/4" port
sizes with flow rates
up to 28 GPM.



**NDP-25 Series
Metal Pump**

**NDP-20 Series
Metal Pump**

**NDP-15 Series
Metal Pump**

**Yamada NDP Series Air-Powered Double
Diaphragm Pumps** for dampener recirculation
system or flexographic and rotogravure inks.
Applications:
Low viscosity inks; solvents and washing fluids
Wetted materials: 316 Stainless Steel, Aluminum,
Polypropylene/Santoprene®, and Teflon®. Addt'l sizes
& materials available – see form #GB0604
Port Sizes: 1/2", 3/4", and 1" fluid ports
Air Supply Pressure: 20 – 100 PSI (1.4 – 7kfg/cm)
Flow Rates from 15 – 49 GPM
Maximum Size Solid from 1/32" – 3/16"
Visit www.yamadapump.com for further details, or
phone 800 990-7867.

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