



YAMADA

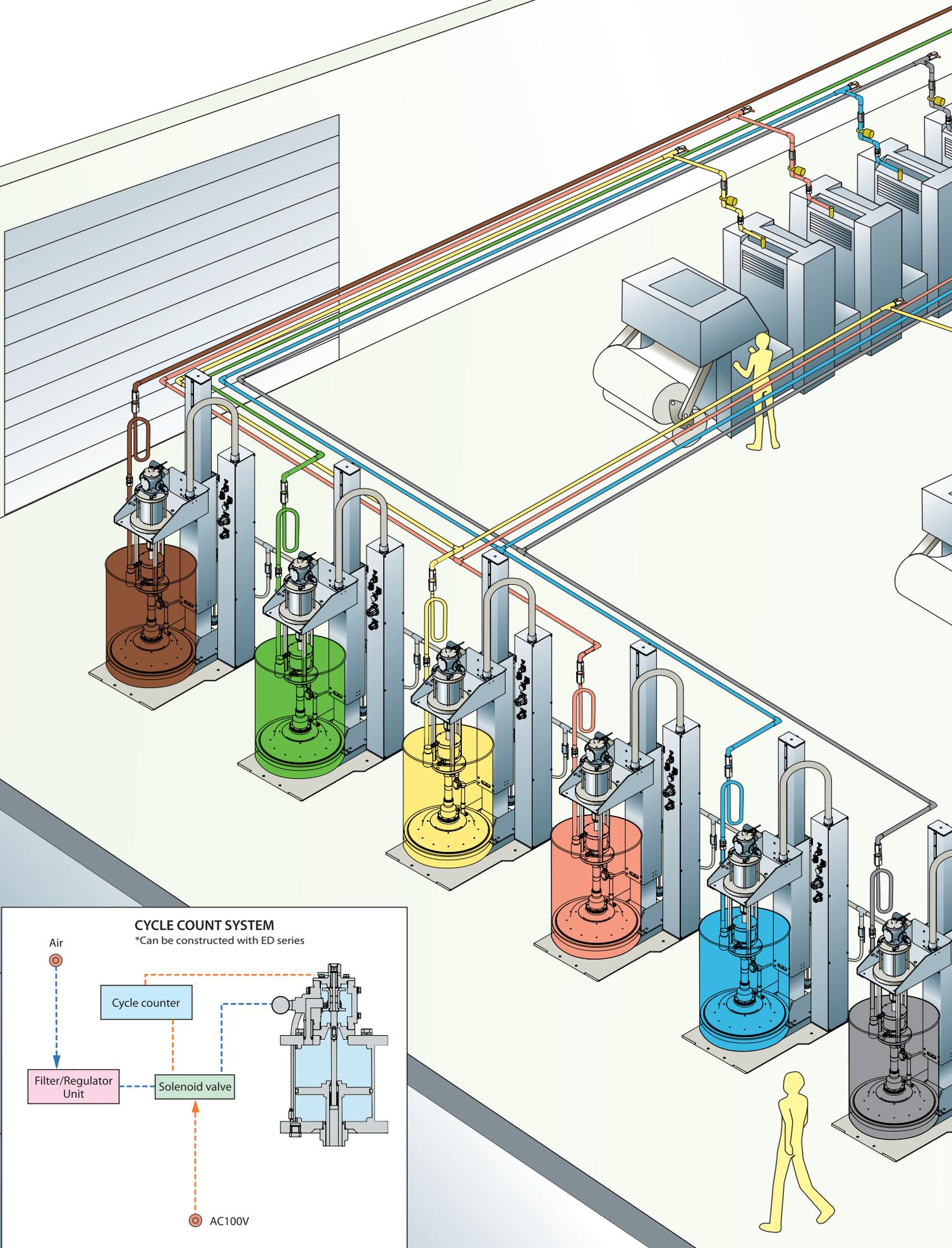


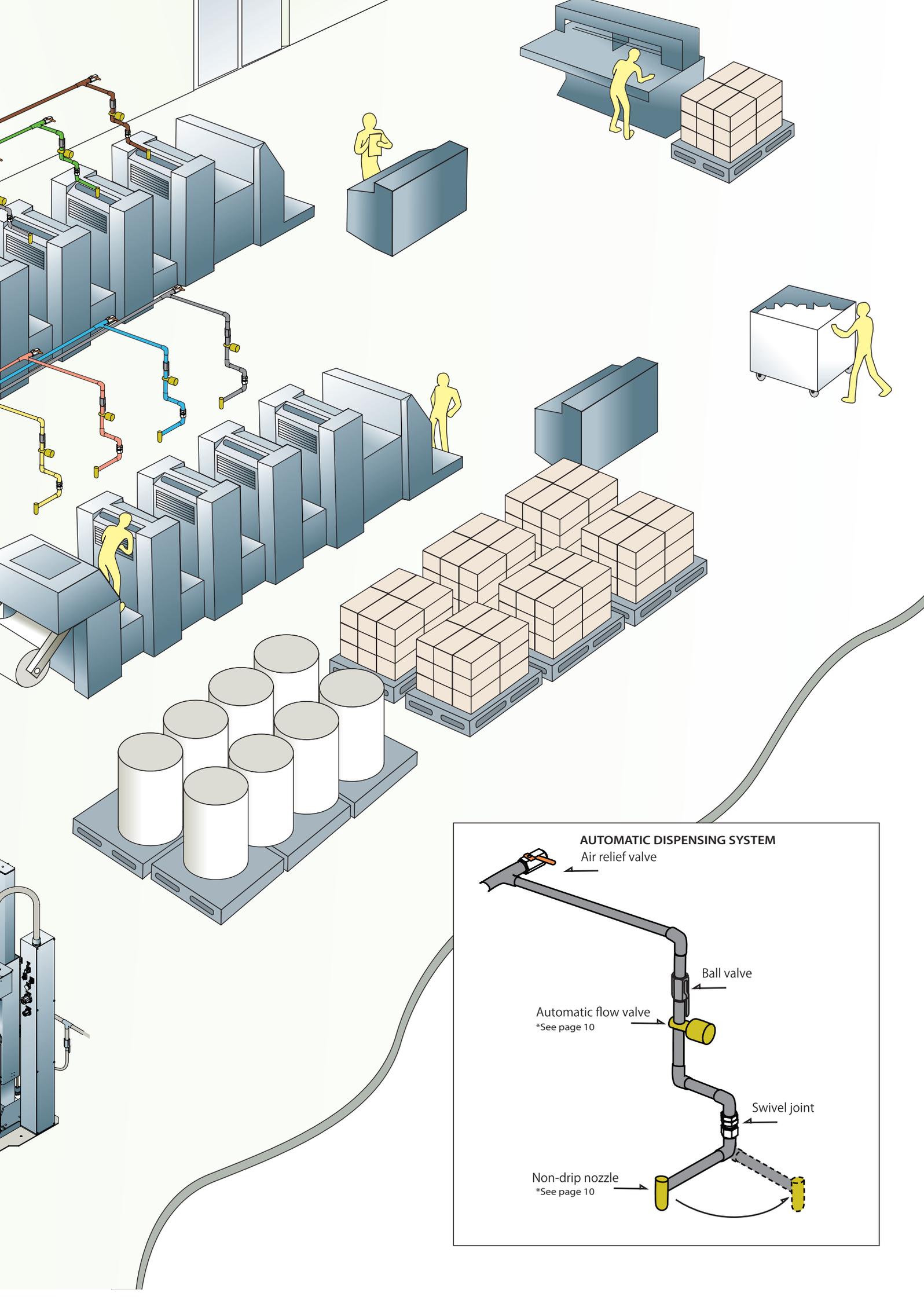
***Printing Ink
Supply Pump***

www.yamadacorp.co.jp/global

Ink Supply System for Commercial Printing

Centralized supply system for offset printing

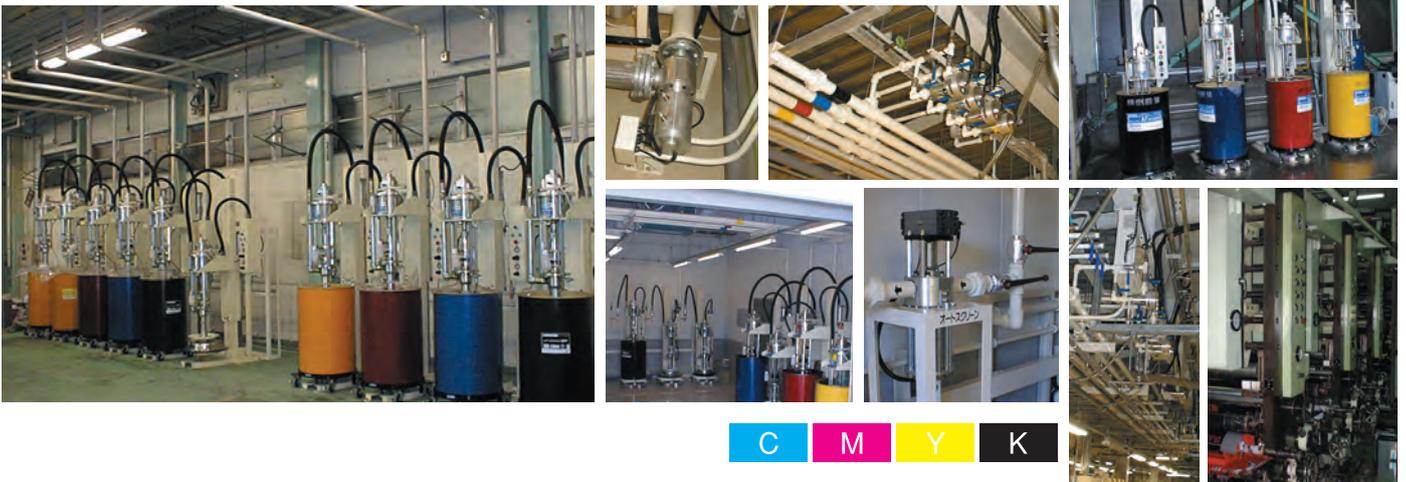




Pump Technology Specifically Designed for Printing Inks

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

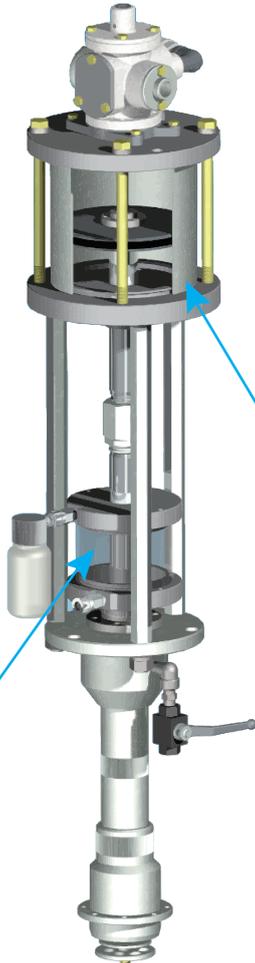
Yamada Corporation, a pioneer in pumping products for 100 years, developed the Yamada Ink Supply Pump exclusively for the transfer of high viscosity printing inks



Specifically designed for Printing Ink!

Wet Seal System (Oil Container)

The visible plastic oil container protects against ink leakage, maintains a lubricated plunger, and extends gasket life. Lubrication maintenance is minimal.



Less Noise

Quiet operation (less than 70dB within 3 feet) vs. com-petitive models.

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 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.



Anti-Freezing Design

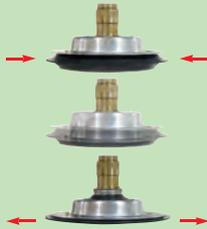
The high efficiency air valve is designed to reduce air consumption and cycling speed is optimized to elimi-nate freezing.

Specifically designed for Printing Ink!

The Unique Inductor Plate

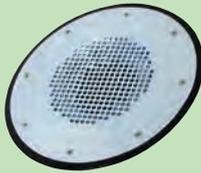
The transformable sealing systems designed to allow for very easy and clean drum changes.

**AB, ABE, AD and ED Series*



Patent Pending
Inductor Plate Mechanism
Japan No. 3096458
No. 3297661
U.S. No. 6.422.430

The flat bottom inductor plate minimizes wastage of the ink



Pump Lift

Small-footprint by the single post design

Control Panel

Unit design, Easy access.

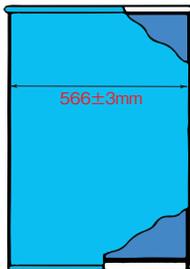
Low-level Sensor

Easily adjustable low-level sensor prevents pump dry running.

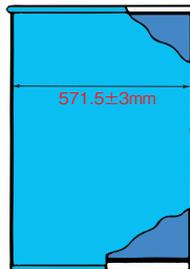
**AB, ABE, ABF, AD Series: Mechanical switch
ED Series: Proximity sensor

CAUTION

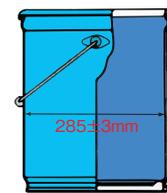
YAMADA Ink Supply Pump Inductor Plate is only suitable for straight drum/pail.
The transformable seal system for 200L drums have two of the size corresponding to the standard of the drum (JIS or ISO). Please confirm the standard of the drum using.



200L Straight Drum (JIS)

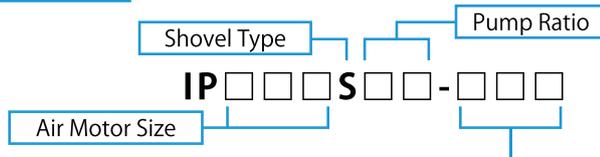


200L Straight Drum (ISO)



20L Straight Pail (JIS)

Model Indication



- AB : Drum Type, Flat Base, with Mechanical L/S (NPT)
- ABE : Drum Type, Flat Base, with Mechanical L/S (BSP)
- ABF : Drum Type, Flat Base, with Mechanical L/S, without transformable sealing system
- AD : Drum Type, with Drum Dolly, with Mechanical L/S
- ED : Drum Type, with Drum Dolly, with Control Sequencer
- TE : Bulk & TOTE Type, Floor-Mount, Dual Inlet Ports
- TS : Bulk & TOTE Type, Bracket-Mounting, Single Inlet Port
- PC : Pail Type, Portable
- PB : Pail Type, Stationary

Drum Type (Flat Base with Mechanical L/S)

AB, ABE Series

IP 140S25-AB IP 200S25-AB IP 250S20-AB
IP 140S25-ABE IP 200S25-ABE IP 250S20-ABE

Pneumatic pump units with a mechanical limit switch.
The inductor plate is transformable type.



IP 140S25-AB
(881046)

IP 200S25-AB
(881032)

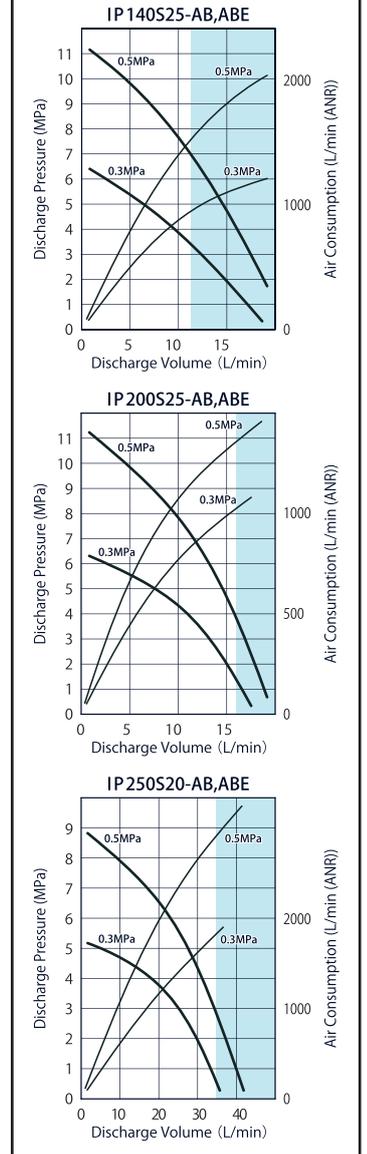
IP 250S20-AB
(881033)

IP 140S25-ABE
(881059)

IP 200S25-ABE
(881060)

IP 250S20-ABE
(881061)

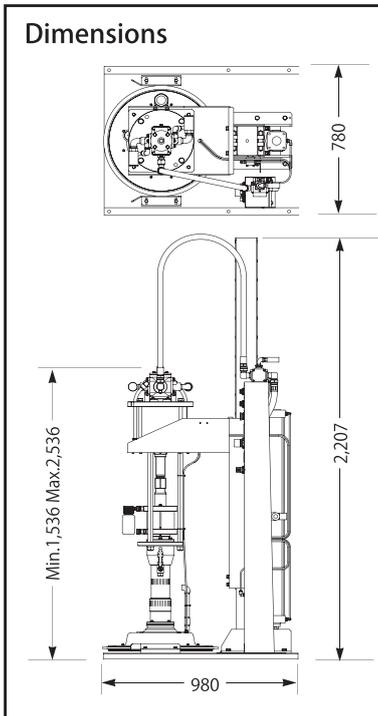
Performance Curves



CAUTION

Please confirm the standard of the drum using (JIS or ISO).

Dimensions



Pump Specifications

Model No.	881046	881059	881032	881060	881033	881061
Model	IP140S25-AB	IP140S25-ABE	IP200S25-AB	IP200S25-ABE	IP250S20-AB	IP250S20-ABE
Ratio	25 × 1		25 × 1		20 × 1	
Air Motor Size (mm)	φ140		φ200		φ250	
Stroke Length (mm)	150					
Pump Capacity (mL)	160		320		650	
Cycle per Liter Discharge	6.3		3.1		1.5	
Air Consumption per Liter Discharge (ANR)	(0.3MPa)	78.1	(0.3MPa)	80.3	(0.3MPa)	60.9
	(0.5MPa)	106.8	(0.5MPa)	109.9	(0.5MPa)	83.0
Air Supply Pressure Range (MPa)	0.5~1.0 (Pump 0.2~0.7)					
Air Supply Port Size (inch)	NPT 3/4 ^F	BSP 3/4 ^F	NPT 3/4 ^F	BSP 3/4 ^F	NPT 3/4 ^F	BSP 3/4 ^F
Discharge Port Size (inch)	NPT 3/4 ^F	BSP 3/4 ^F	NPT 1 1/2 ^F	BSP 1 1/2 ^F	NPT 1 1/2 ^F	BSP 1 1/2 ^F
Weight (kg) ※Except Accessories	240		250		273	

Drum Type (Flat Base with Mechanical L/S without transformable sealing system)

ABF Series

IP 140S25-ABF IP 200S25-ABF
IP 250S25-ABF

Pneumatic pump units with a mechanical limit switch.
The inductor plate is conventional fixed type.



IP140S25-ABF
(881088)

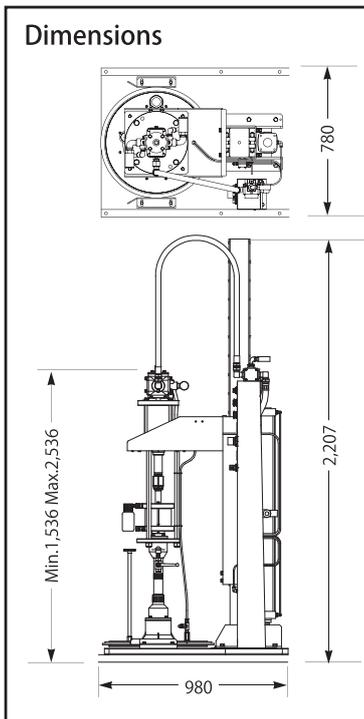
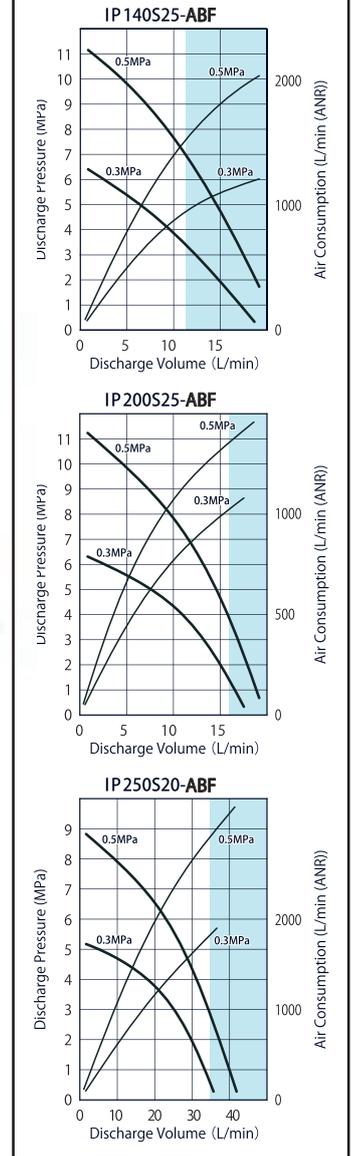


IP200S25-ABF
(881089)



IP250S25-ABF
(881090)

Performance Curves



Inductor plate is conventional fixed type instead of transformable sealing system.

Pump Specifications

Model No.	881088	881089	881090	
Model	IP140S25-ABF	IP200S25-ABF	IP250S25-ABF	
Ratio	25×1	25×1	20×1	
Air Motor Size (mm)	φ140	φ200	φ250	
Stroke Length (mm)		150		
Pump Capacity (mL)	160	320	650	
Cycle per Liter Discharge	6.3	3.1	1.5	
Air Consumption per Liter Discharge (ANR)	(0.3MPa)	78.1	80.3	60.9
	(0.5MPa)	106.8	109.9	83.0
Air Supply Pressure Range (MPa)	0.5~1.0 (Pump 0.2~0.7)			
Air Supply Port Size (inch)	NPT 3/4 ^F	NPT 3/4 ^F	NPT 3/4 ^F	
Discharge Port Size (inch)	NPT 3/4 ^F	NPT 1 1/2 ^F	NPT 1 1/2 ^F	
Weight (kg) ※Except Accessories	233	243	266	

Drum Type (with Drum Dolly and Mechanical L/S)

AD Series IP 140S25-AD IP 200S25-AD
IP 250S20-AD

Pneumatic pump units with a mechanical limit switch.
They come with a DD-200 drum dolly.



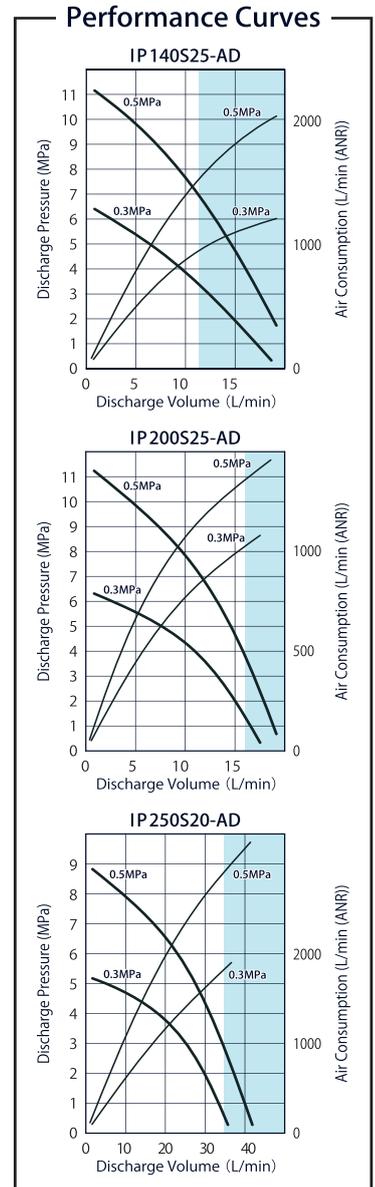
IP 140S25-AD
(881048)



IP 200S25-AD
(881049)



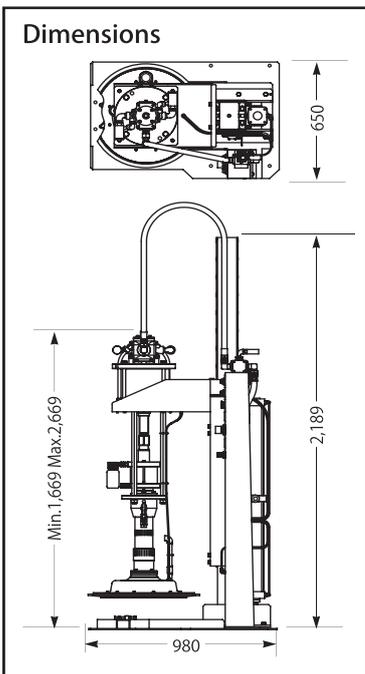
IP 250S20-AD
(881050)



Please confirm the standard of the drum using (JIS or ISO).



DD-200
Drum Dolly



Pump Specifications

Model No.	881048	881049	881050	
Model	IP 140S25-AD	IP 200S25-AD	IP 250S20-AD	
Ratio	25×1	25×1	20×1	
Air Motor Size (mm)	φ140	φ200	φ250	
Stroke Length (mm)	150			
Pump Capacity (mL)	160	320	650	
Cycle per Liter Discharge	6.3	3.1	1.5	
Air Consumption per Liter Discharge (ANR)	(0.3MPa)	78.1	80.3	60.9
	(0.5MPa)	106.8	109.9	83.0
Air Supply Pressure Range (MPa)	0.5~1.0 (Pump 0.2~0.7)			
Air Supply Port Size (inch)	Rc 3/4			
Discharge Port Size (inch)	Rc 3/4	Rc 1 1/2	Rc 1 1/2	
Weight (kg) ※Except Accessories	249	262	284	

Drum Type (with Drum Dolly and Electric Control Sequencer)

ED Series IP 140S25-ED IP 200S25-ED
IP 250S20-ED

Pneumatic pump units with an electric control sequencer.
They come with a DD-200 drum dolly.

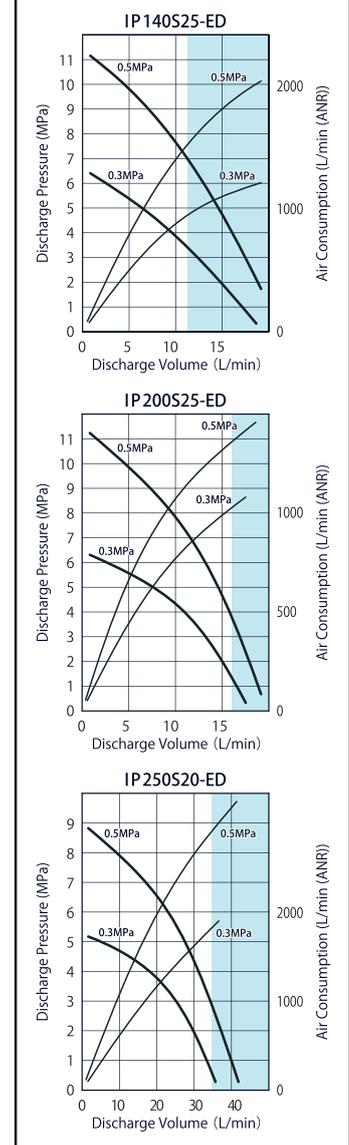


IP 140S25-ED
(881052)

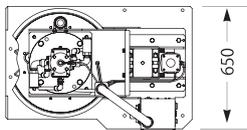
IP 200S25-ED
(881053)

IP 250S20-ED
(881054)

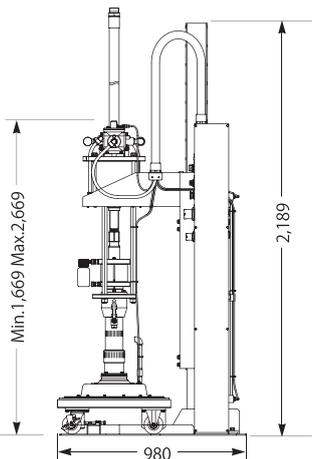
Performance Curves



Dimensions



650



CAUTION

Please confirm the standard of the drum using (JIS or ISO).

DD-200
Drum Dolly



Pump Specifications

Model No.	881052	881053	881054
Model	IP 140S25-ED	IP 200S25-ED	IP 250S20-ED
Ratio	25×1	25×1	20×1
Air Motor Size (mm)	φ140	φ200	φ250
Stroke Length (mm)	150		
Pump Capacity (mL)	160	320	650
Cycle per Liter Discharge	6.3	3.1	1.5
Air Consumption per Liter Discharge (ANR)	(0.3MPa)	78.1	80.3
	(0.5MPa)	106.8	109.9
Air Supply Pressure Range (MPa)	0.5~1.0 (Pump 0.2~0.7)		
Air Supply Port Size (inch)	Rc 1/2		
Discharge Port Size (inch)	G 3/4 ^F	G 1 1/2 ^F	G 1 1/2 ^F
Weight (kg) ※Except Accessories	247	260	282

Bulk & TOTE Type (Floor-Mounting)

TE Series IP 140S12-TE IP 200S25-TE
IP 250S20-TE

Dual inlet type.



IP 140S12-TE
(881051)

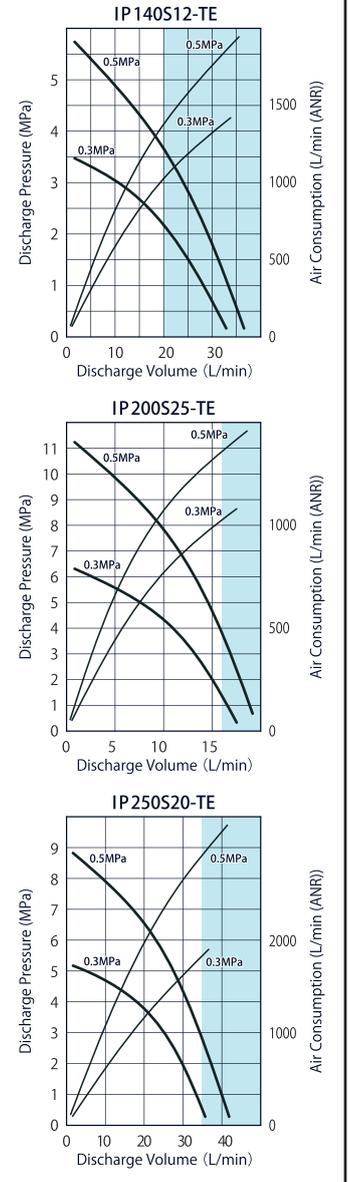


IP 200S25-TE
(881030)

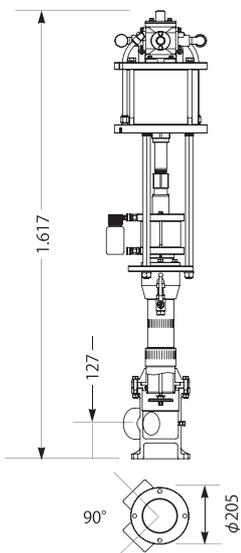


IP 250S20-TE
(881031)

Performance Curves



Dimensions



Pump Specifications

Model No.	881051	881030	881031
Model	IP 140S12-TE	IP 200S25-TE	IP 250S20-TE
Ratio	12×1	25×1	20×1
Air Motor Size (mm)	φ140	φ200	φ250
Stroke Length (mm)	150		
Pump Capacity (mL)	320	320	650
Cycle per Liter Discharge	3.1	3.1	1.5
Air Consumption per Liter Discharge (ANR)	(0.3MPa) 38.3 (0.5MPa) 52.4	80.3 109.9	60.9 83.0
Air Supply Pressure Range (MPa)	0.2~0.7		
Air Supply Port Size (inch)	NPT 3/4 ^F		
Discharge Port Size (inch)	NPT 1 1/2 ^M		
Inlet Port Size (inch)	2-NPT 3 ^F		
Weight (kg) ※Except Accessories	70	74	96

Bulk & TOTE Type (Bracket-Mounting)

TS Series IP 200S25-TS
IP 250S20-TS

Two height positions are available.

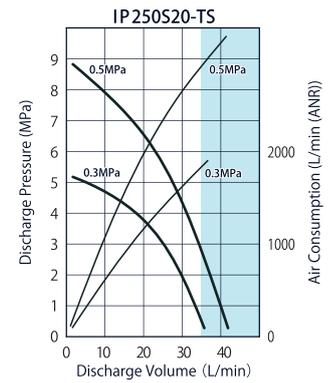
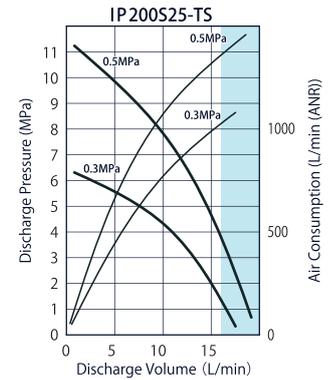


IP 200S25-TS
(881044)

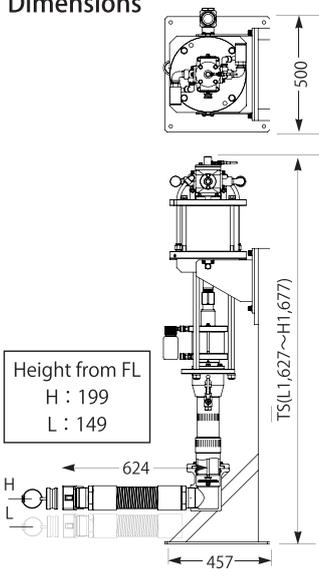


IP 250S20-TS
(881045)

Performance Curves



Dimensions



Pump Specifications

Model No.	881044	881045
Model	IP 200S25-TS	IP 250S20-TS
Ratio	25×1	20×1
Air Motor Size (mm)	φ200	φ250
Stroke Length (mm)	150	
Pump Capacity (mL)	320	650
Cycle per Liter Discharge	3.1	1.5
Air Consumption per Liter Discharge (ANR)	(0.3MPa) 80.3 (0.5MPa) 109.9	60.9 83.0
Air Supply Pressure Range (MPa)	0.2~0.7	
Air Supply Port Size (inch)	Rc 1/2	Rc 1/2
Discharge Port Size (inch)	R 1 1/2	R 1 1/2
Inlet Port Size (inch)	3" female coupler	3" female coupler
Weight (kg) ※Except Accessories	140	160

Pail Type

IPP Series **IPP 80S10-PC**
IPP 80S25-PB

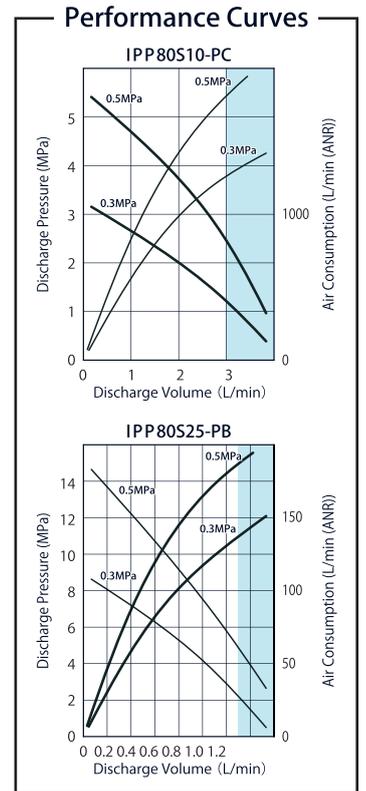
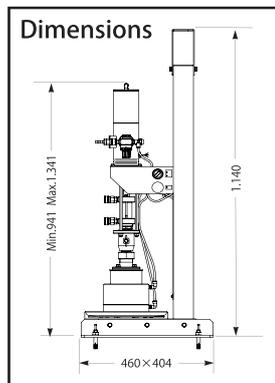
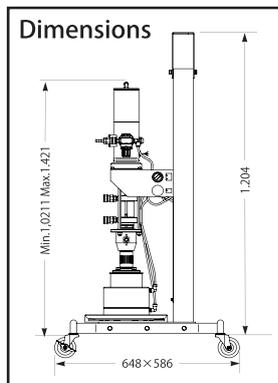
Both portable and stationary types are available.



IPP80S10-PC
(881012)



IPP80S25-PB
(880962)



Pump Specifications

Model No.	881012	880962
Model	IPP 80S10-PC	IPP 80S25-PB
Ratio	10×1	25×1
Air Motor Size (mm)	φ80	φ80
Stroke Length (mm)	70	
Pump Capacity (mL)	50	21
Cycle per Liter Discharge	20.0	47.6
Air Consumption per Liter Discharge (ANR)	(0.3MPa)	36.3
	(0.5MPa)	49.5
Air Supply Pressure Range (MPa)	0.5~1.0 (Pump 0.2~0.7)	
Air Supply Port Size (inch)	with Hose Coupler 1/4	
Discharge Port Size (inch)	G 1/4	
Weight (kg)	50	



Accessories

Hose, Control Gun, Special Lift...etc. are available on request.

Accessories

Automatic Flow Valve



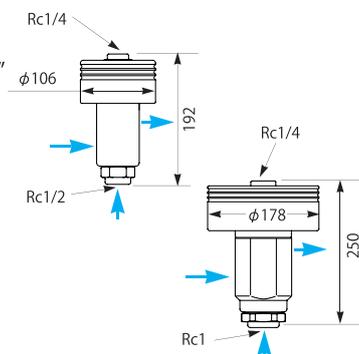
803685
804001
804023

803685 AF30M-15A

Valve Ratio: 45x1
Maximum Working Pressure: 30MPa
Maximum Air Supply Pressure: 0.7MPa
Inlet/Outlet Port: Rc1/2" Air Supply Port: Rc1/4"

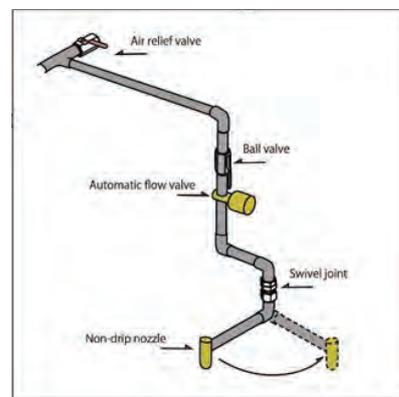
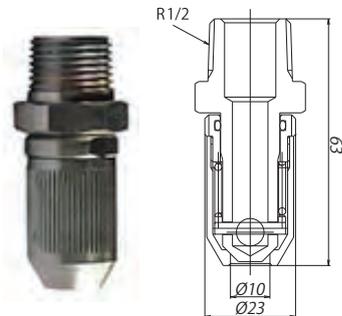
804001 AF20M-25A
(without Sensor)
804023 AF20M-25AS
(with Sensor)

Valve Ratio: 30x1
Maximum Working Pressure: 20MPa
Maximum Air Supply Pressure: 0.7MPa
Inlet/Outlet Port: Rc1" Air Supply Port: Rc1/4"
Power Voltage: DC12V~24V* Power Cord: 2M*
*AF20M-25AS only



SP-4488 Non-drip Nozzle

Available Viscosity: Above 50Ps



Oil Evacuation Gun 853442 OS-200W



Used for evacuation oil from the oil container.



Oil Supply Pump 853263 HOP-20W

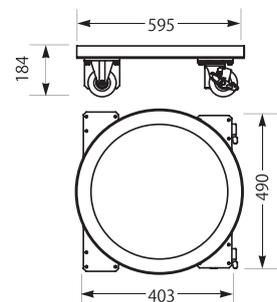


Used to supply spindle oil (#10, additive-free) to the oil container.



Drum Dolly 803771 DD-200

Used with ED and AD type drum pump units.



Hydraulic Pump Unit

IPH Series IPH 85S0.6

Large volume transfer unit for low viscosity application.

IPH 85S0.6
(853971)



Pump Specifications

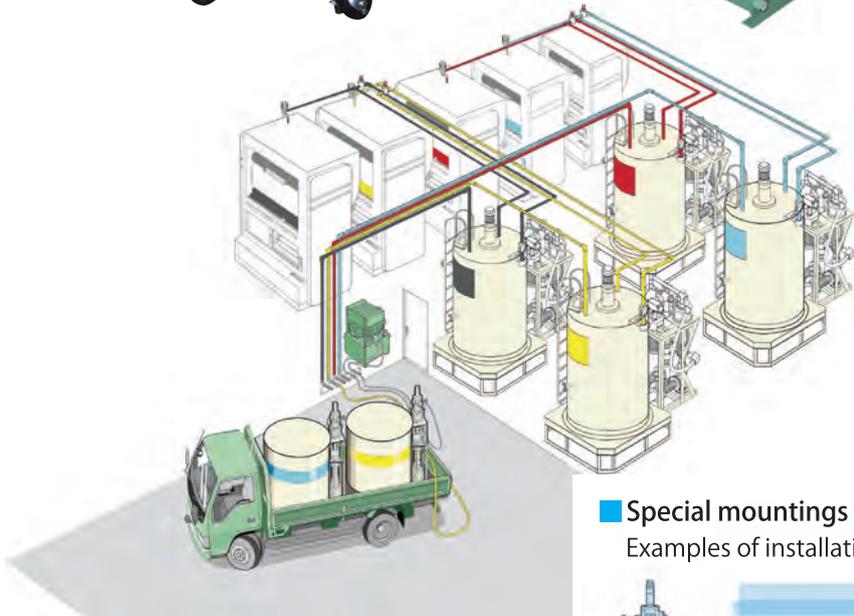
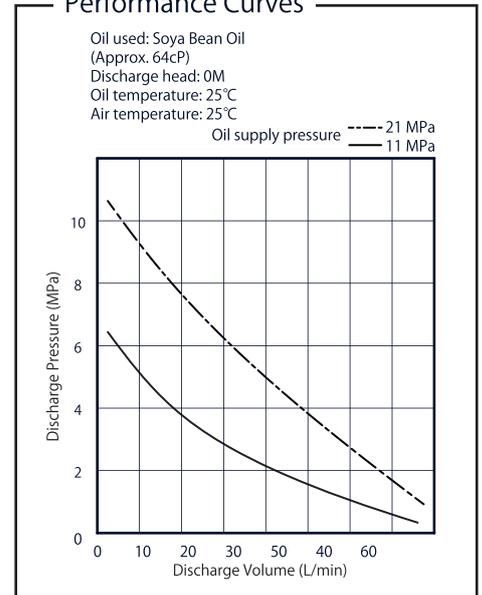
Model No.	853971
Model	IPH85S0.6
Ratio	0.6x1
Drive Cylinder Size (mm)	85
Suction Tube Size (mm)	145
Stroke Length (mm)	80
Pump Capacity (mL)	1,400
Cycle per Liter Discharge	0.7

Designed for transferring a large volume of low viscosity ink quickly to stationary tanks. Its large capacity and unique switching mechanism (PAT. P) achieves quick and quiet ink transfer.

Hydraulic Power Unit

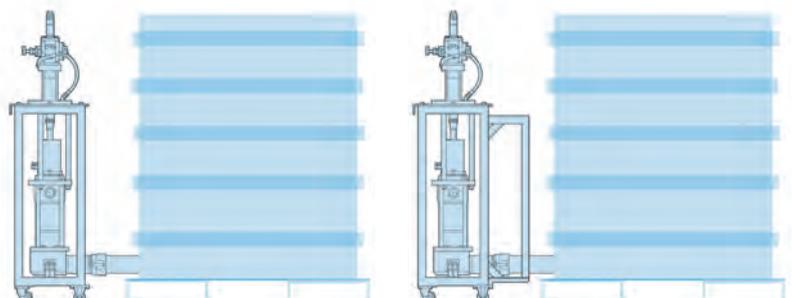


Performance Curves



Special mountings are available on request

Examples of installation



REQUEST SHEET

YAMADA CORPORATION

International Department
Phone:81-(0)3-3777-0241

FAX:81(0)3-3777-0584

For help and recommendations for pump choice and applications, please complete this form with as many details as possible.

Please send it by fax to Yamada Corporation and we will get straight back to you.

- Are you already using Yamada products ? (YES•NO)
- Have you dealt directly with Yamada Corporation in the past ? (YES•NO)
- How did you learn about Yamada Corporation.
()

Purpose of this request.

- Request for technical information.
- Request for quotation.
- Request to purchase products.
- Request for more information.
- Request for catalogues of flyers.
- Request for local dealer contact details.
- Other.

Company _____

Address (with Postcode): _____

Phone:() _____

Fax:() _____

Department/Section/Group: _____

Name _____

To: YAMADA CORPORATION, International Department

Layout of printing machines and planned location of pump installation:

The height of a sealing: ()M

Length of pipe between the pump and farthest discharge point: ()M

Largest consumption of the ink: () Liter/month

Factory working hour: () hour/day

Type of ink container: JIS 200L drum ISO 200L drum JIS 20L pail



CAUTION WHEN SELECTING A PUMP

Yamada offers a large range of Air Operated Pumps to cater for many different kinds of materials and conditions. When selecting the most appropriate pump for a particular selection and installation please consult your local Yamada Pump Distributor or Yamada Corporation.

Your Local Distributor:

YAMADA CORPORATION **International Department**

No.1-3, 1-Chome, Minami-Magome,
Ohta-ku, Tokyo 143-8504, Japan

Phone +81-(0)3-3777-0241

Fax +81-(0)3-3777-0584

E-mail: intl@yamadacorp.co.jp

Web: www.yamadacorp.co.jp/global

All product specifications and data are subject to change without notice.

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