

Printing Ink Pumps

INK SUPPLY SYSTEM

The New Pump is Specially Designed for Ink Transfer.

- Ink supply system for commercial printing business
- Ink circulation & supply system for newspaper printing industry
- Centralized ink supply system for sheet feeder & off set rotary duplicator



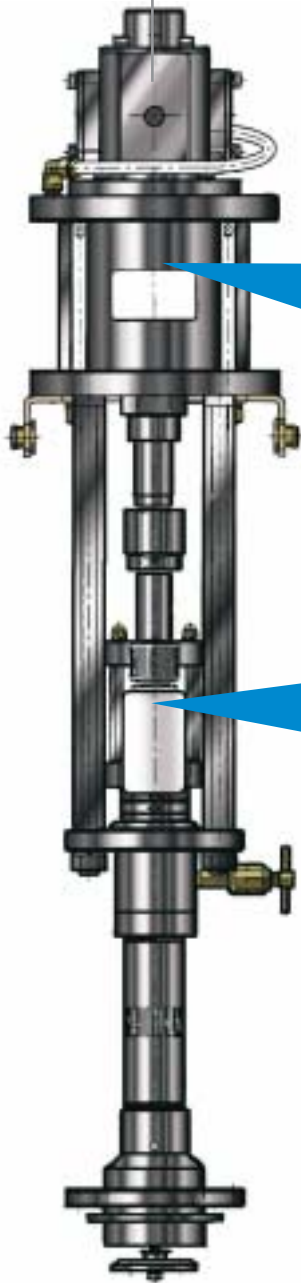
INK SUPPLY PUMP

- Reliable air switching mechanism
- Minimum exhaust & mechanical noise
- Magic oil container to clean a piston rod
- Anti-freeze air valve
- Accurate construction and movement for metering
- Compact design
- Unique inductor plate with transformable sealing system for easy & clean drum exchange

Patent pending

Unique inductor plate with transformable sealing rubber system

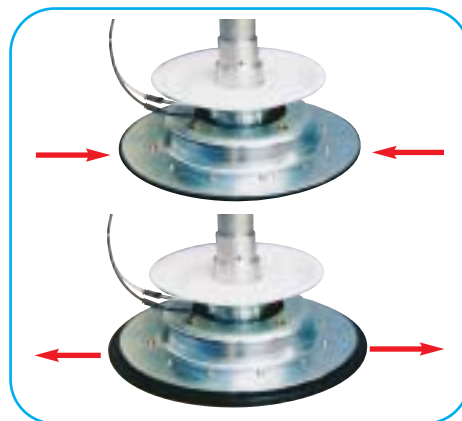
The sealing rubber expands to seal drum completely. When the drum is needed to exchange, the sealing rubber can be constricted to remove the drum smoothly. Never mess and scatter ink around the pump area. Also complete suction with no waste ink.



Reliable Air Valve



Magic Oil Container

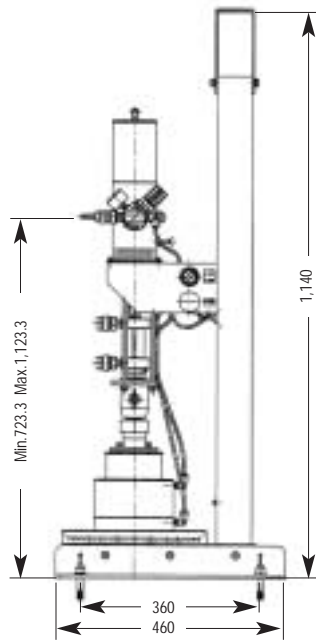


Unique Inductor Plate



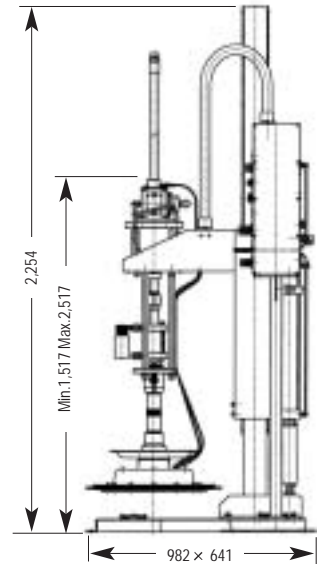
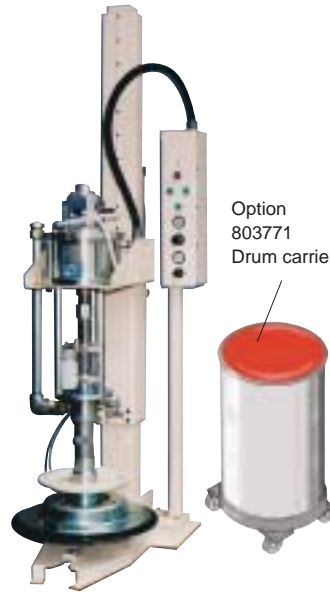
PUMP DATA

MODEL	TYPE 80		TYPE 140		TYPE 180		TYPE 200		TYPE 250		
PUMP RATIO	10 x 1	25 x 1	10 x 1	25 x 1	10 x 1	25 x 1	10 x 1	30 x 1	10 x 1	30 x 1	
EFFECTIVE DIAMETER OF AIR CYLINDER (mm)	φ 80		φ 140		φ 180		φ 200		φ 250		
STROKE (mm)	70				100						
LOWER PUMP CAPACITY (mL)	60.66	26.43	282.6	105.5	441.56	186.75	567.16	186.75	949.85	302.07	
Strokes/Litter	16.48	37.83	3.54	9.48	2.26	5.35	1.75	5.35	1.05	3.31	
Air consumption L/Min (ANR)	(0.3MPa)	19.8	45.4	37.2	99.5	39.4	93.2	38.1	115.7	35.7	112.2
	(0.5MPa)	28.0	64.3	61.9	165.9	65.4	154.8	63.3	192.2	59.4	186.7



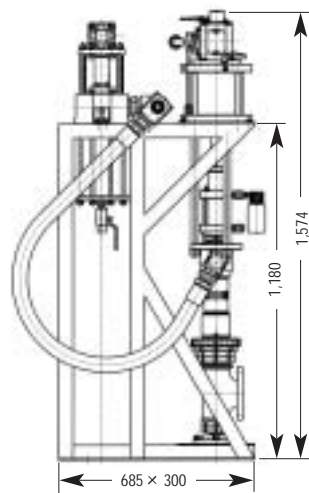
■ PUMP UNIT FOR 20 LITTER PAIL

880962TYPE 80 25x1 Rc1/2 with Pail lift
880963TYPE 80 10x1 Rc1/2 with Pail lift



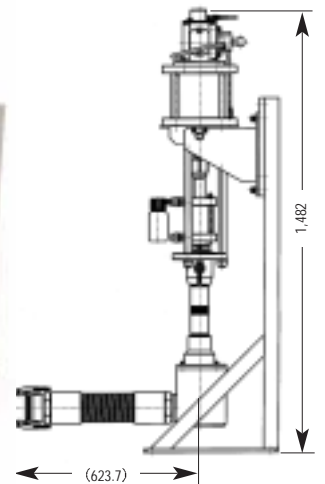
■ PUMP UNIT FOR 200 LITTER DRUM

880930TYPE 140 25x1 20A
Drum lift with sequencer Suitable for 1 to 2 ink pan
880931TYPE 180 25x1 20A
Drum lift with sequencer Suitable for 3 to 6 ink pan
880932TYPE 250 30x1 32A
Drum lift with sequencer Suitable for 6 to 15 ink pan



■ PUMP UNIT FOR CIRCULATION

880933TYPE 140 10x1 25A to 50A
8803681 Automatic screen
803689 Swivel joint
803690 Swivel joint
880934TYPE 180 10x1 40A to 50A
Accessories : Same as above
880904TYPE 200 10x1 40A to 50A
Accessories : Same as above
880935TYPE 250 10x1 40A to 50A
Accessories : Same as above

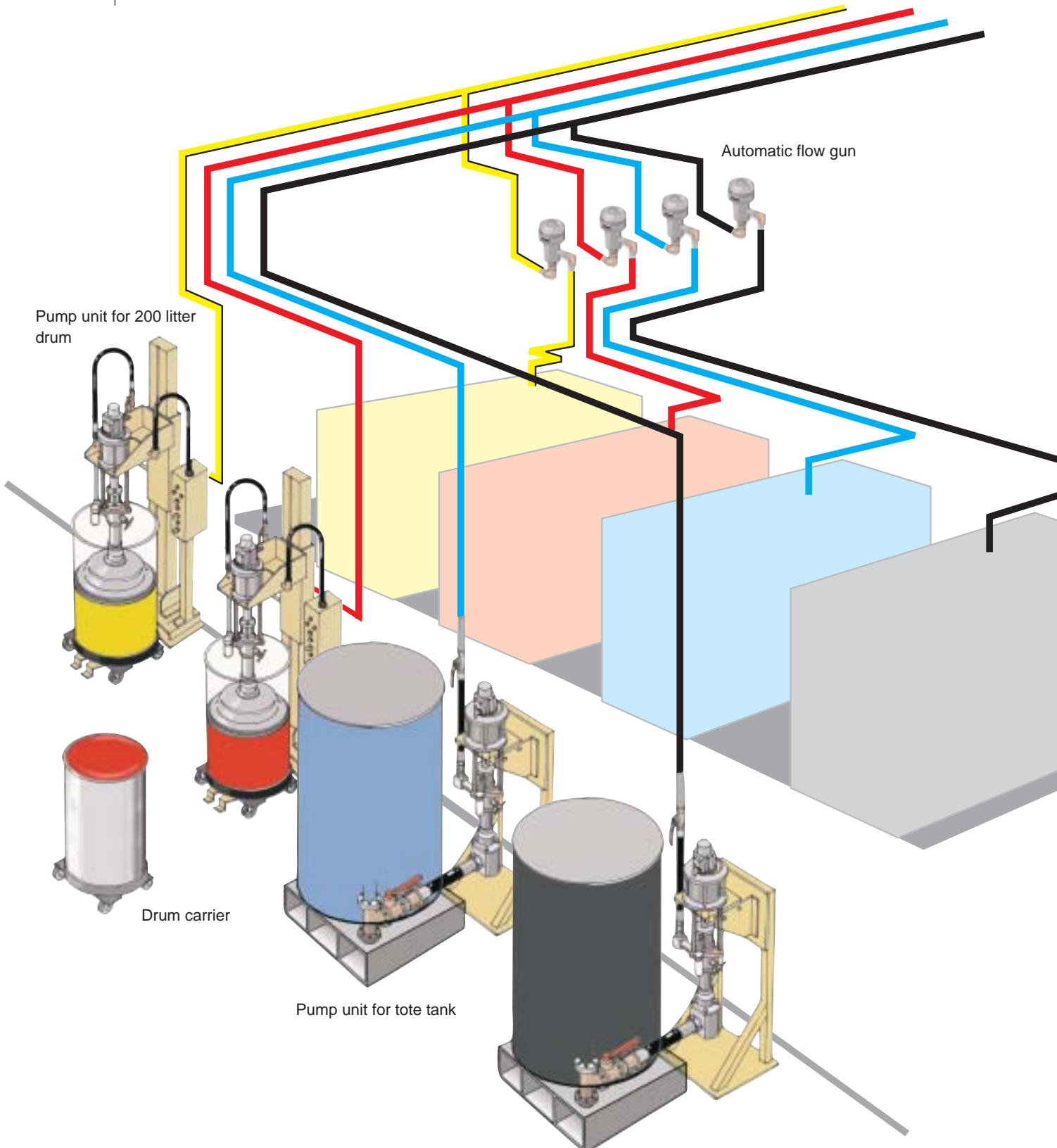


■ PUMP UNIT FOR TOTE TANK

880944TYPE 180 25x1 600L TOTE TANK
Suction hose dia.80mm with quick coupler
Swivel valve with outlet connection dia.25mm
880945TYPE 180 25x1 1000L TOTE TANK
Same as above
880946TYPE 250 30x1 600L TOTE TANK
Same as above instead of outlet connection dia.32mm
880947TYPE 250 30x1 1000L TOTE TANK
Same as above

INK SUPPLY SYSTEM FOR COMMERCIAL PRINTING

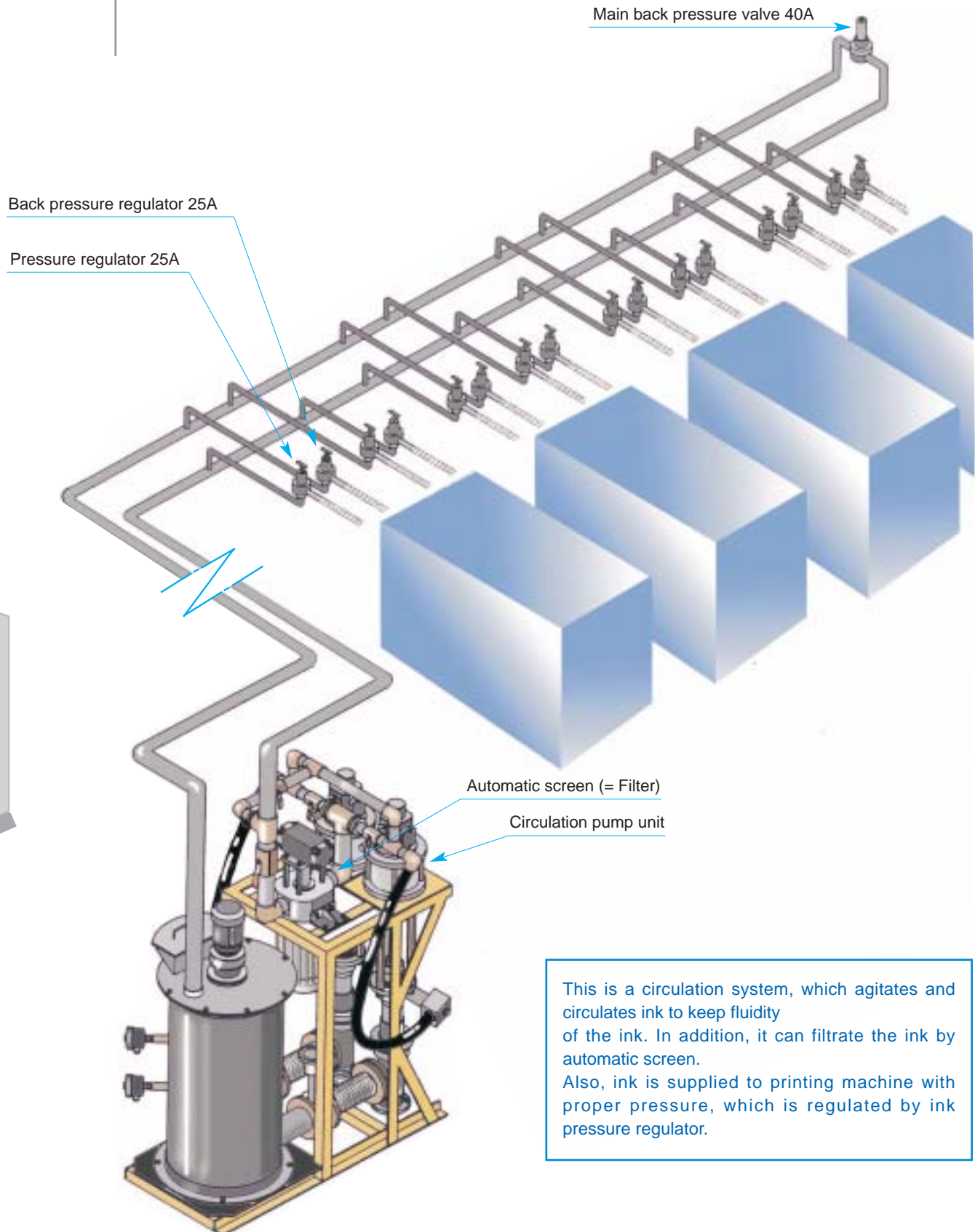
Ink can be supplied to off set rotary duplicator by air operated pump. Remaining ink capacity in ink pan can be detected by sensor, and certain amount of ink will be supplied automatically. The limit switch is equipped with the pump, and it stops automatically with alarm when ink is close to run out.



INK CIRCULATION & SUPPLY SYSTEM FOR NEWSPAPER PRINTING

DIP Supply & Circulation System

- Ink can be supplied to plural pipes and circulated by one pump unit.
- Many accessories are provided.
- The system minimizes initial, running and maintenance costs.



This is a circulation system, which agitates and circulates ink to keep fluidity of the ink. In addition, it can filtrate the ink by automatic screen. Also, ink is supplied to printing machine with proper pressure, which is regulated by ink pressure regulator.

Accessories for Piping



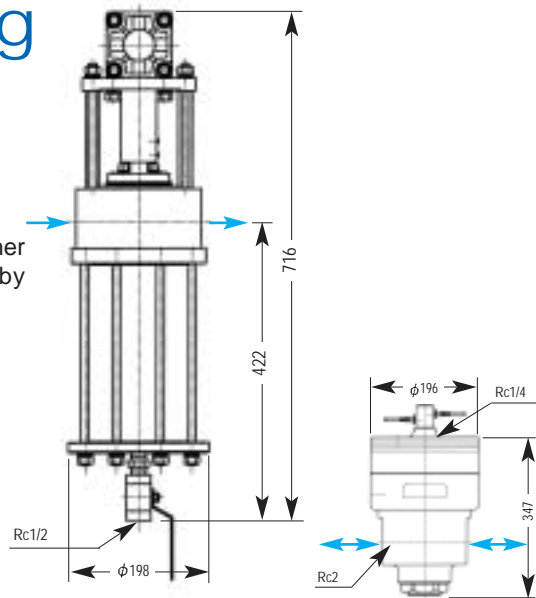
803681
803761

Automatic screen (= Filter)

It operates manually and automatically (by timer set). It is not necessary to clean the filter by yourself. It can be done automatically.

803681 Automatic screen for 50A pump
Maximum working pressure : 7Mpa

803761 Automatic screen, high pressure model
Maximum working pressure : 20Mpa



803684

803682
803683

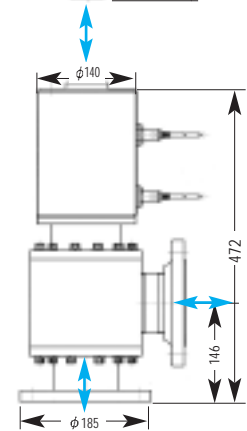
Automatic on-off valve

- It connects to return end of circulation piping

803682 with sensor 50A
Maximum working pressure : 7Mpa

803683 50A
Maximum working pressure : 7Mpa

- It controls open & close of tank outlet
- 803684 80A (Low pressure) for tank suction
Maximum working pressure : 7Mpa



803685
804023

804001

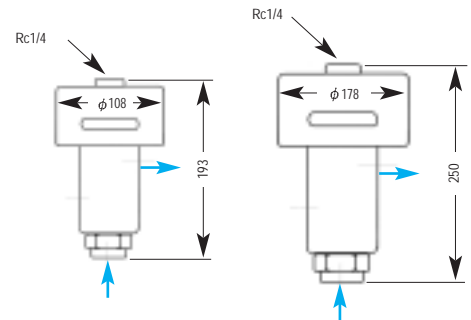


Automatic flow gun

803685 Automatic flow gun
15A To supply ink to pan & tank
Maximum working pressure : 30Mpa
Inlet & outlet port Rc 1/2"

804001 Automatic flow gun
25A To supply ink to pan & tank
Maximum working pressure : 20Mpa
Inlet & outlet port Rc 1"

804023 Automatic flow gun
With sensor 25A
To supply ink to pan & tank



803686

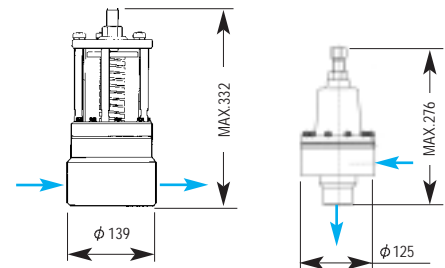
803687



Back pressure regulator

803686 Main pipe back pressure regulator
For high pressure circulation
Maximum working pressure : 1Mpa

803687 In line back pressure regulator
For pump rail
Maximum working pressure : 1Mpa



803688

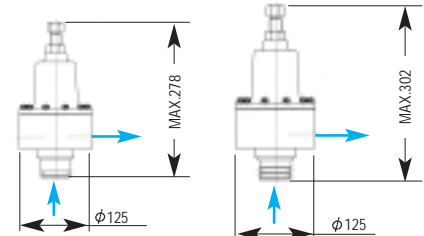
803877



Ink regulator

803688 In line regulator for inlet port 25A
For pump rail
Maximum working pressure : 1Mpa

803877 In line regulator for inlet port 25A
For pump rail
Maximum working pressure : 7Mpa



Pump accessories

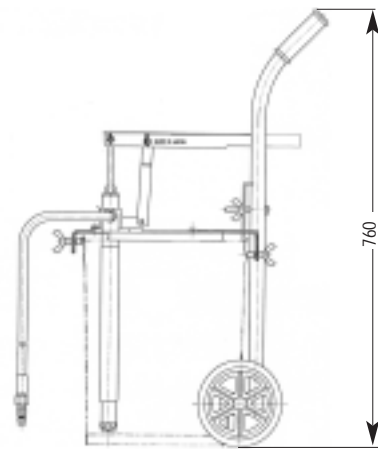
803771 Drum carrier

It is to carry and replace drum, and is easy to set drum to proper position.



853263 HOP-20 Oil supply pump

HOP-20 can be set directly onto 20L pail of spindle oil #10 to supply the oil to oil container of the pump.



853442 OS-200W Evacuation gun for oil container



YAMADA provides many kinds of air operated pumps to handle any liquids

Drum pump for solvent & washing liquid



DP-10-D
NDP-20-D
Series

YAMADA provides drum pumps for solvent and washing liquid, which can be easily and safely separated from a bigger drum to smaller containers.

It is also easy and simple to mount the pump onto the drum, just opening a plug (2B) of drum and putting the suction pipe into the plug hole.

- DP-10-D (Diaphragm pump series)
 - Pump ratio : 1 x 1
 - Material outlet : Rc 3/8"
 - Capacity : 2 to 15L / min
- NDP-20-D (Diaphragm pump series)
 - Pump ratio : 1 x 1
 - Material outlet : Rc 3/4"
 - Capacity : 10 to 50L / min

(Wetted part: DP-10-D: Aluminum/SUS & NDP-20-D: Aluminum)

(Diaphragm: CR / NBR / PTFE / TPEE)

(Refer to Catalogue No. 910-084E)

Circulation pump for gravure & flexographic ink

DP-10BAT



NDP-20BAT



The double diaphragm pump can be also used for circulation and supply of gravure & flexographic ink.

- DP-10BAT
 - Material port : Rc3/8"
 - Capacity : 2 to 15L/min
 - Discharge pressure : 0.7Mpa/ Max
 - Wetted part : Aluminum (AC2A-F)
 - Diaphragm : PTFE
- NDP-20BAT
 - Capacity : 10 to 50L/min
 - Discharge pressure : 0.7Mpa/ Max
 - Wetted part : Aluminum (AC2A-F)
 - Diaphragm : PTFE

(Refer to Catalogue No. 910-084E)

■ DISTRIBUTOR

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