

Catch the future

2nd Generation Viscosity Controller

VISCON Latest Patent Technology Solved 3 Big Cause of Breakdown



[3 Big Cause of Breakdown] According to repairing data of Japan and oversea customers

01 Pump · Ink hose Clogging (Washing not enough) about **50%**

VISCON Solution Auto "TURBO WASH"

02 Lubrication Not effective (Pump parts worn out) about **30%**

VISCON Solution Self-Suction type "Smart" Lubrication System

03 Operation Not properly about **20%**

VISCON Solution User Friendly Construction



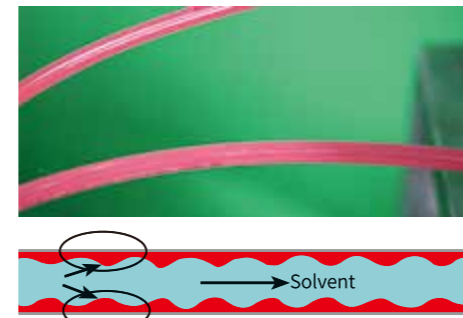
PAT. P. Japan 2017-30290

Auto Washing System "Turbo Wash"

Patent technology "Turbo Wash" system wash inside of pump and hose strongly. Contribute to maintain good accuracy and reduce working time to wash.

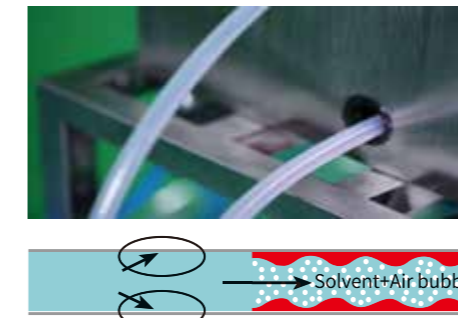


Solvent circulation washing



Ink stain dirty remain on hose(inside). These remaining ink dirty will become The cause of clogging.

"Turbo Wash" solvent circulation + compressed air bubble washing



VISCON Solution "Brushing effect" by small bubble wash out ink stain dirty strongly.

PAT. P. Japan 2017-52226

Smart Lubrication System

VISCON developed new lubrication system without priming pump work. Other MFG viscosity controller must require priming pump work when oil become empty in oil tank.



Other Viscosity controller

Oil become empty in oil tank
 ↓
 Refill oil
 ↓
 Need Priming Pump but omitted due to troublesome
 ↓
 No Lubrication
 ↓
 Pump parts worn out

Viscosity controller not accurate, breakdown

VISCON Viscosity controller

Oil become empty in oil tank
 ↓
 Refill oil
 ↓
 No Need Priming Pump Auto Lubrication

VISCON Solution Priming pump work no necessary. Can operate viscosity controller accurately for long time.

User Friendly construction

For easy maintenance and convenient use by user. VISCON developed new design first in the industry.

- Anti-ink dirty protection design
- Easy maintenance design of electric room
- Easy pump detach/attach



Easy to open by hand



Anti-ink dirty box
 Anti-ink dirty panel



Can loosen/tighten by hand Easy to detach/attach pump

VISCON Solution VISCON User friendly design for More Safety Using, More Easy Operation and Maintenance

Ecology VISCON protect global environment

Save energy **20%**

VISCON newly developed ecology model: VIS-15eco

Reduce 20% air consumption at the same circulation quantity.

VISCON contribute the customers to save energy.

Reduce air consumption **20%**

Air consumption

Before
 VIS-15
 90 Ltr/min



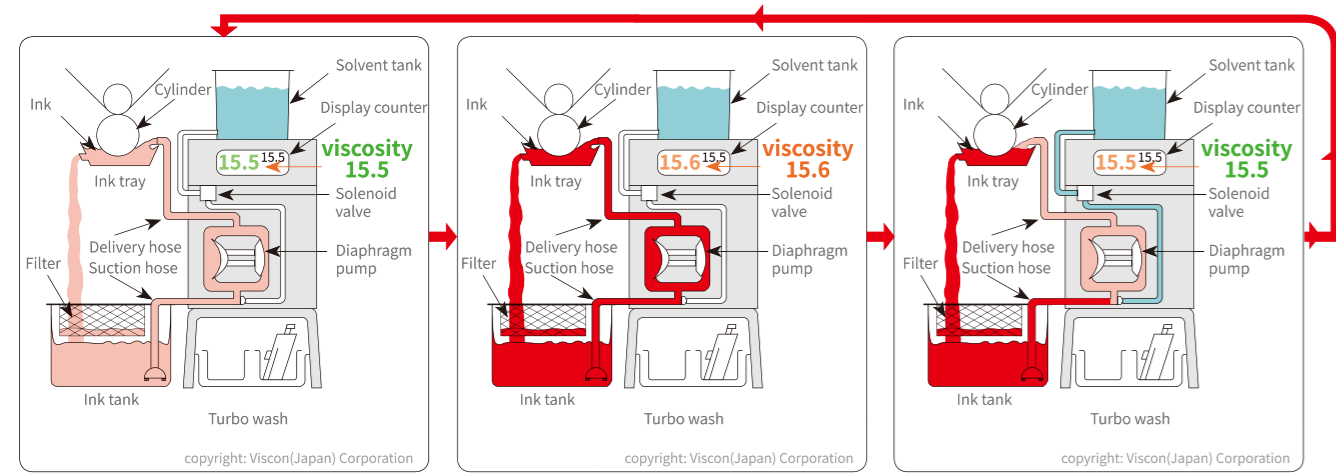
VISCON R&D New
 VIS-15eco
 70 Ltr/min



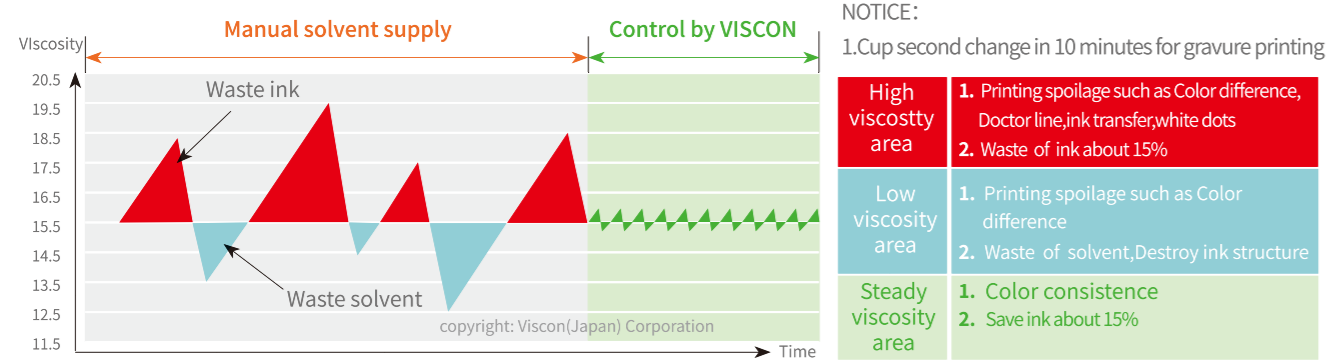
For ecology of our global environment, VISCON have been making continuous R&D tied up with Japanese leading pump manufacture. VISCON succeed in R&D of Ecology model of pump.

Principle

Viscosity	Ink viscosity High ↑	Ink viscosity low ↓
Diaphragm pump	Slow ↓	Fast ↑



Control by VISCON viscosity controller



Model selection

Suitable model decided by viscosity and ink tank capacity

Viscosity	Tank Cap.			10 Ltr	20 Ltr	30 Ltr	40 Ltr	50 Ltr	60 Ltr
	No.2	No.3	No.4						
28.0	11.5								
30.0	12.0								
32.0	12.3								
	12.9	6.9							
	13.9	7.2							
	15.1	7.6							
	16.8	8.2							
	18.2	9.0							
	21.3	10.0							
	25.4	11.5							
	29.0	12.7							
	30.0	13.1							
	31.8	13.9							
	36.9	15.3							
	43.0	17.0							
	49.0	18.7							
	55.0	20.1							
	61.0	22.0							

Model selection bubbles: VLS-15eco, VIS-10, VIS-15eco, VMS-15eco, VHS-15eco

Specification

Model	VIS-10	VIS-15eco
Machine Body	Stainless steel (SUS 304) box	
Solvent Tank	Stainless Steel (SUS 304) 16 Ltr	
Electric Voltage	220V or 110V 40W	
Dimension	330mm x 300mm x 810mm (W x L x H)	
Control Range of Viscosity	30-100CPS (13-30cup sec. by Viscon Zahn cup No.3)	
Net Weight	25 KG	27 KG
Air Consumption	40 Ltr /Min	70 Ltr /Min
Circulating Quantity	5.0-2.5 Ltr /Min	9.5-4.5 Ltr /Min
Regulated Air Pressure	0.3MPa (3.0kg/cm², 3 bar)	
Suction Hose	O.D Ø12mm x I.D Ø8mm x L 2500mm	O.D Ø16mm x I.D Ø11mm x L 2500mm
Delivery Hose	O.D Ø10mm x I.D Ø6.5mm x L 2500mm	O.D Ø12mm x I.D Ø8mm x L 2500mm
Capacity of Ink Tank	10-20 Ltr	21-50 Ltr

Accessories



Ink tank filter - for reducing doctor line
For use Ø260mm - Ø360mm tank

Ink tank filter holder 5pcs/pkt
Ink tank filter 50pcs/pkt



VISCON Zahn Cup - accurate measure

VISCON Zahn cup No.3 1 pc/pkt
VISCON Zahn cup No.4 1 pc/pkt

VISCON at Customer's Factory



Certificate



PATENT: Auto "TURBO WASH"



PATENT: Self-Suction Smart Lub.-System



CE Mark

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Propose the solution for quality improvement to the customers
This is our VISCON group mission
Rotogravure - Flexo - Dry Lamination - Coating



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