

COMPLEMENTARY INSTRUCTIONS FOR THE USE OF ZIP PUMPS TO FEED FLEXO AND ROTOGRAVURE PRINTING PRESSES.

What described hereunder is an integration to the double diaphragm pumps instructions, relating to the rotogravure and flexography applications.

In "Flexo" applications, instead of the pressure regulator, a flow regulator is installed on the feeding air inlet to limit the pump working speed regulating the air inlet quantity in the chambers without operating on the pressure; as a consequence the operation is more linear and the inversion faster.

It is necessary to remember that the rotation of the control knob of the flow regulator has opposite effect with respect to the pressure regulator (described in the manual of the standard version pump): the clockwise rotation determines a passage reduction with a consequent reduced pump delivery until it stops, while the anticlockwise rotation causes the delivery increase.

INSTALLATION

- a) Fix the pump on the cover of the ink container or on a base.
- b) Connect the suction inlet (lower inlet) to a ½"Ø suction hose (preferably rigid) ending with a flute spout with such a length as to brush the container or ink pail bottom.
- c) Connect the recycle valve "B" (see enclosed scheme) to a flexible hose and insert the hose in the ink container.

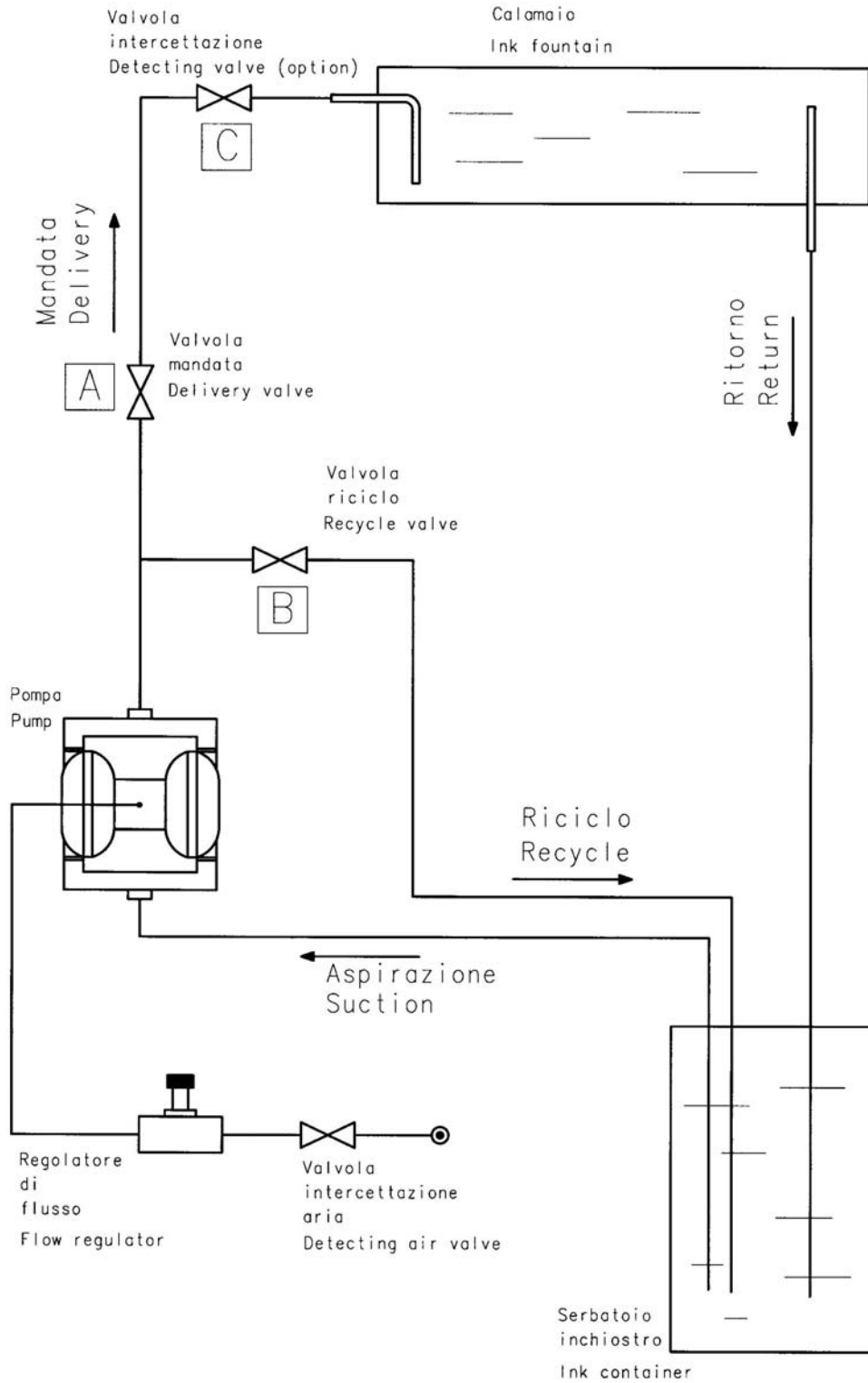
NOTE: Be careful and fix the hose properly to avoid that it comes out of the container during the pump operation.

- d) Connect the delivery valve "A" to the ink fountain of the printing press by means of a flexible hose. If necessary a further detecting valve "C" can be installed at the fountain entry.
- e) Connect a flexible hose for the fountain discharge and insert it in the container or ink pail.











OPERATION

- a) Open the air interception valve, make sure that the flow regulator for the feeding air isn't completely closed; if necessary operate on the regulation knob giving few turns anticlockwise.
- b) When priming is done, operate on the air flow regulator (turning the knob clockwise or anticlockwise depending on whether the pump delivery has to be reduced or increased) on valve "A" and on recycle valve "B" (in case the ink must be kept in agitation) until the intended flow on the fountain is reached.

INSTALLATION SCHEME FOR ROTOGRAVURE AND FLEXOGRAPHY PUMPS



MOST COMMON MODELS OF ZIP52 PUMPS USED TO FEED FLEXOGRAPHY AND ROTOGRAVURE PRINTING PRESS

Code	Model	Construction materials			Application	Atex certification
		Body	Diaphragms	Valves (seats / balls)		
U550.PTPD1	Zip 52 PP-TF-PP-Acetal	PP	Teflon / Santoprene	PP / Acetal	Water-based inks	NO
U550.PTPD7	Zip 52 PP-TF-PP-Acetal universal inlet/outlet	PP	Teflon / Santoprene	PP / Acetal	Water-based inks	NO
U550.PTPD8	Zip 52 PP-TF-PP-Acetal independent inlet/outlet	PP	Teflon / Santoprene	PP / Acetal	Water-based inks	NO
U550.CTPD1	Zip 52 PP cond. -TF-PP-Acetal	PP conduct.	Teflon / Santoprene	PP / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
U550.CTPD7	Zip 52 PP cond. -TF-PP-Acetal universal inlet/outlet	PP conduct.	Teflon / Santoprene	PP / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
U550.CTPD8	Zip 52 PP cond -TF-PP-Acetal independ.inlet/outlet	PP conduct.	Teflon / Santoprene	PP / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
U550.ATRD1	Zip 52 ALU -TF-PPS-Acetal	ALU	Teflon / Santoprene	PPS / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
U550.ATRD7	Zip 52 ALU -TF-PPS-Acetal universal inlet/outlet	ALU	Teflon / Santoprene	PPS / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
U550.ATRD8	Zip 52 ALU -TF-PPS-Acetal Bocche indipendenti	ALU	Teflon / Santoprene	PPS / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
LOW PULSATION/DELIVERY MODELS FOR APPLICATIONS ON SMALL OR CLOSED DOCTOR PRINTING PRESSES (ZIP52 PERFECT FLOW SERIES)						
U551.PHSD1	Zip cc PP-TF-PP-Acetal	PP	Polyethylene / Santoprene	Aisi 303 / Acetal	Water-based inks	NO
U551. PHSD 7	Zip cc PP-TF-PP-Acetal universal inlet/outlet	PP	Polyethylene / Santoprene	Aisi 303 / Acetal	Water-based inks	NO
U551.CHSD1	Zip cc PP cond -TF-PP-Acetal	PP conduct.	Polyethylene / Santoprene	Aisi 303 / Acetal	Water- and solvent-based inks	Atex 94/9/CE  II 2G IIB
U551.CHSD7	Zip cc PP cond -TF-PP-Acetal universal inlet/outlet	PP conduct.	Polyethylene / Santoprene	Aisi 303 / Acetal	Water- and solvent-based inks	Atex 94/9/CE  II 2G IIB
U551.AHRD1	Zip cc ALU -TF-PPS-Acetal	ALU	Polyethylene / Santoprene	PPS / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
U551.AHRD7	Zip cc ALU -TF-PPS-Acetal universal inlet/outlet	ALU	Polyethylene / Santoprene	PPS / Acetal	Water / solvent-based inks	Atex 94/9/CE  II 2G IIB
NOTE : ALWAYS CHECK THE CHEMICAL COMPATIBILITY OF THE INKS AND OF THE SOLVENTS CONTAINED IN THE INKS WITH THE CONSTRUCTION MATERIALS OF THE PUMP						