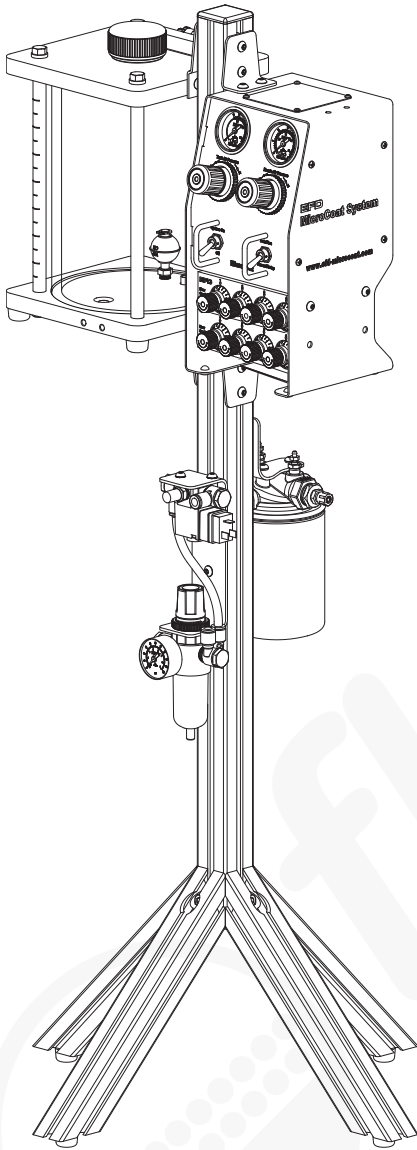


MicroCoat[®]

SETUP GUIDE

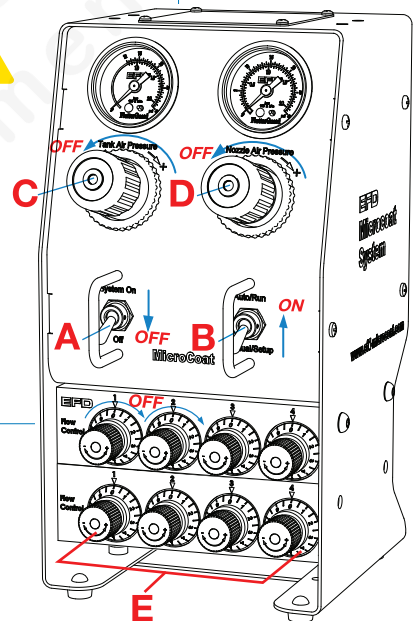
MC800
Series

Configure your MC800-PV MicroCoat system with tank, stand and control solenoid.



ATTENTION! Confirm settings

- A.** System: OFF
- B.** Auto/Run: ON
- C.** Tank Air Pressure: OFF
- D.** Nozzle Air Pressure: OFF
- E.** All Flow Controls: OFF



1

Connect air filter regulator. Set to 4.14 bar (60 psi).

2

Connect air solenoid to press run/clutch circuit.

Note: Solenoid included with pre-assembled systems.

WIRING CHART for EFD supplied solenoids

Solenoid Wires:	brown	blue	yellow	green
DC solenoid:	negative (-)	positive (+)	ground (⊥)	
AC solenoid:	no polarity	no polarity	ground (⊥)	

NOTE: Review steps 2 & 6 with plant electrician.

3

Using 8mm push-in "Y" fitting supplied, connect 8mm black hose from plant air filter regulator to the Primary Constant Air and Auxilliary Air inputs.

Remove 6mm push-in and replace with 8mm push-in x1/4MPT elbow fitting supplied.

B

A

4

Mount valves and manifolds. Connect color-coded hoses between controller, manifolds and valves.

Key to Hoses

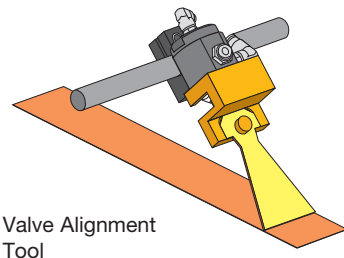
- black hose to black Nozzle Air fitting
- white hose to white Valve Control Air fitting
- clear fluid hose to Fluid Outlet fitting

To Press Emergency Stop Circuit

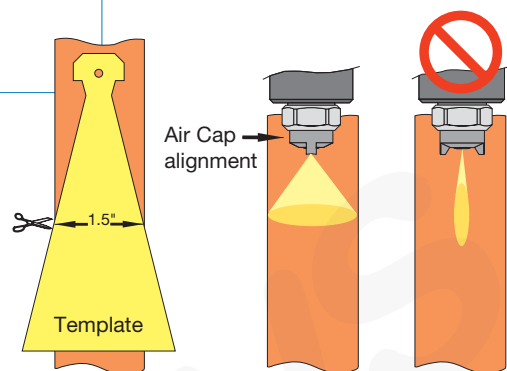
5

Use valve alignment tool on valves to set distance from stock.

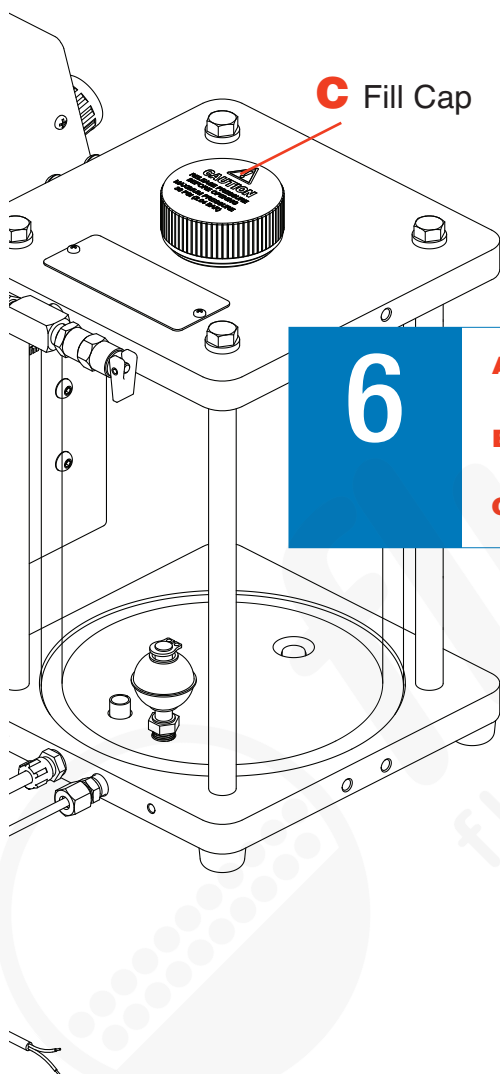
Note: MC785M — use yellow template.
MC785M-WF — use red template.



Valve Alignment Tool



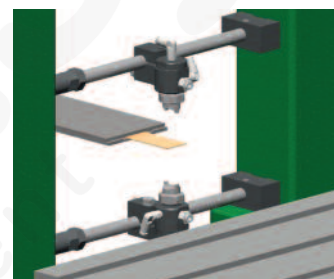
Example: 1.5" wide stock



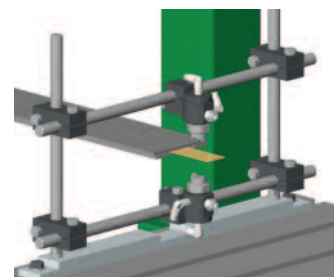
6

- A.** Connect reservoir and filter fluid lines to flow control inlet fitting.
- B.** Connect reservoir pressure hose to tank air outlet on controller.
- C.** Fill reservoir.

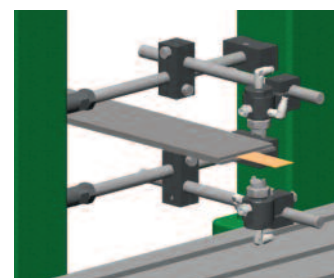
FIXTURING



Expansion Mount Kit #7023864



Gantry Style Mount Kit #7023867



Extension rods (#1030713) and cross clamps (#7023862) are available. Contact EFD for details.

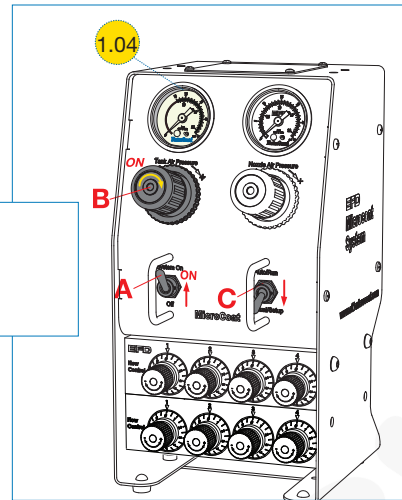
7

Connect in series with Press Emergency Stop Circuit.
For dual tank installation, refer to your MicroCoat System Operating Manual.

STEPS 8-10 ➤

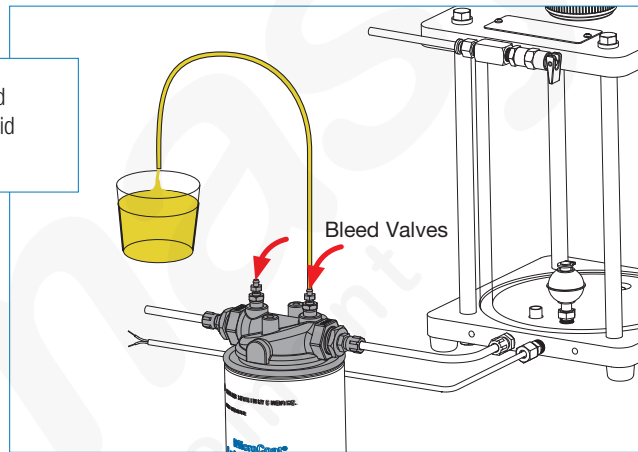
8

- A.** System Pressure ON
- B.** Air Pressure to 1.04 bar (15 psi)
- C.** Auto/Run to Manual/Setup



9

Clear the air from the lubricant filter. Insert tube into bleed valves. Open bleed valves one at a time 1/2 turn. Once fluid flows from the bleed valves, close.



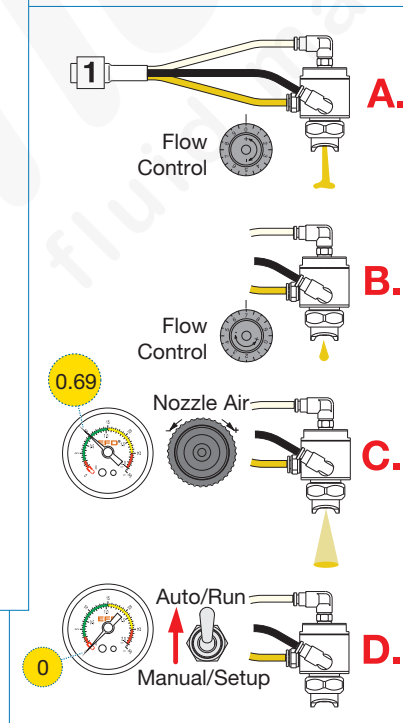
10

Prime each valve.

- A.** Open each Flow Control five (5) full turns. When lubricant flows without any trace of air, close all Flow Controls.
- B.** Adjust Flow Controls so lubricant flows at about one drop per second. Use this setting as a starting point for all valves.
- C.** Turn Nozzle Air until pressure reads 0.69 bar (10 psi). Higher pressure provides finer spray. Too much pressure causes fogging.
- D.** SWITCH to Auto/Run. The valves stop spraying and the Nozzle Air pressure drops to 0 psi.

The system is ready.

When press is on, Nozzle Air pressure will return to 0.69 bar (10 psi), and valves will spray. Check lubricant coverage and make adjustments as necessary.



Nordson
EFD

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