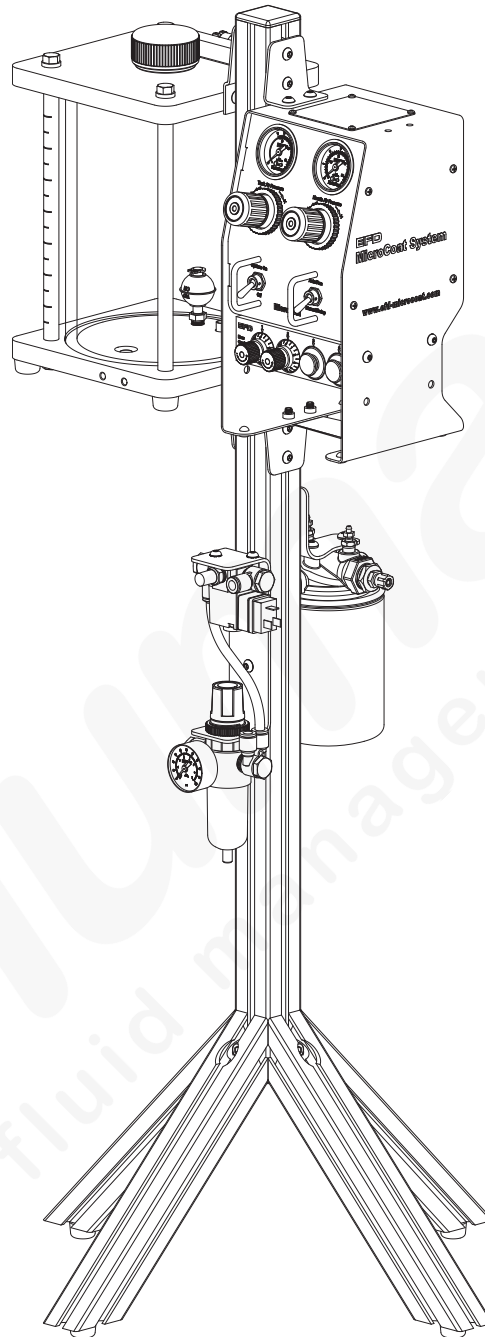


# MicroCoat® Lubrication Systems

## PARTS & ACCESSORIES LIST

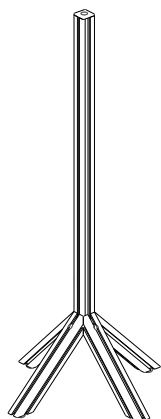


**Nordson**  
EFD

[www.nordsonefd.com](http://www.nordsonefd.com) [info@nordsonefd.com](mailto:info@nordsonefd.com) USA & Canada 800.556.3484 Europe +44 (0) 1582 666334 India +91 80 4021 3600 Asia +86 (21) 3866 9006

Sales and service of Nordson EFD dispensing systems are available worldwide.

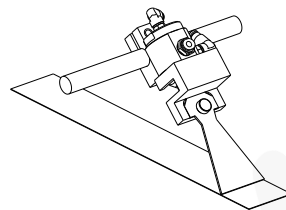
# MicroCoat® Accessories



## MicroCoat System Stands

Aluminum stands offer convenient, stable mounting of controller and tank reservoir.

Part# **7008017**



## Valve Alignment Tool

Use to position the valve to provide exact spray coverage. Includes (3) standard and (3) wide fan templates.

Part# **7023866**

## Brackets

MicroCoat controller brackets

Part# **7022163**

MicroCoat tank brackets

Part# **7023858**



## Valve Alignment Template

Use on valve alignment tool. Cut to stock width. (5) per bag.

Part# **7021095**

For use with MC785M (Part# **7008020**)

Part# **7021097**

For use with MC785M-WF (Part# **7008013**)



## Lubricant Filters

Filters small particles from the lubricant.

Assembly includes mounting bracket and fittings

Part# **7022156**

(Note: Includes Part# **7022210** special 6mm fluid tee fitting)

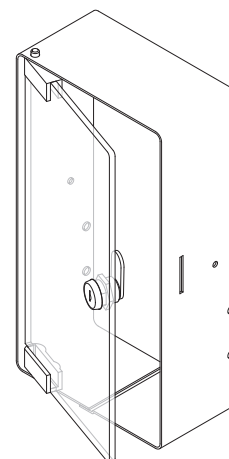
Part# **7017347**

Replacement filters, (4) per box

## Shield

Control panel shield with lock prevents unauthorized adjustment of flow controls. Mounts directly onto MC800 (Part# **7008008**) controller. Clear Lexan™ cover with key lock.

Part# **7023891**

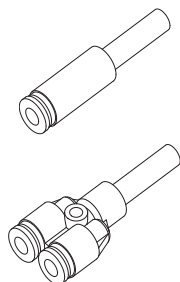


# MicroCoat® Accessories

## Air Connector / Manifold

Connects air hoses from the controller to the valves.

Each of the following contains a set of 2 connectors / manifolds.



Part# **7022203**

Single valve connector

Part# **7022205**

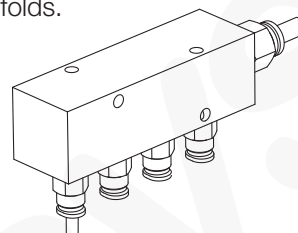
Dual valve connector

Part# **7022157** (shown)

Air manifold, 4 port

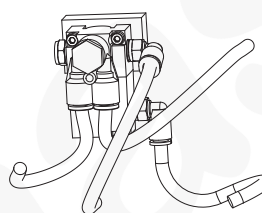
Part# **7008011**

Air manifold, 8 port



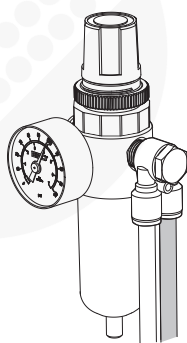
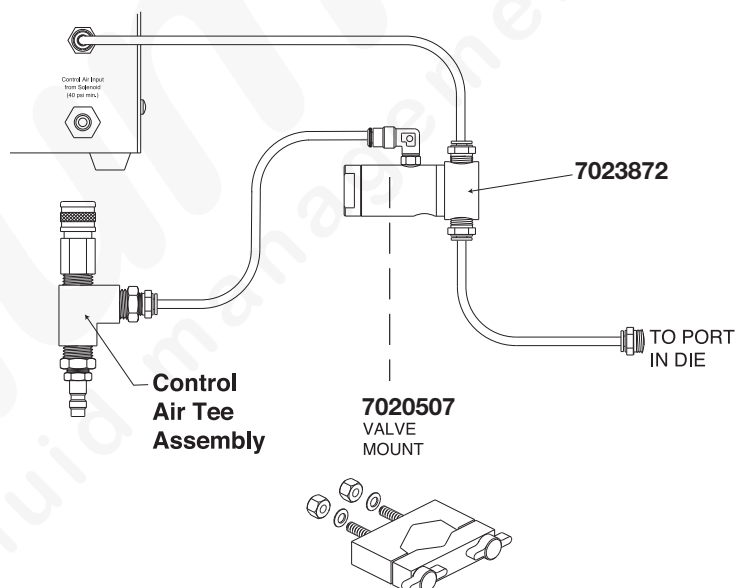
## Pilot Valve Replacement Kit (Part# 7022245)

Pilot valve mounting product assembly includes: precut tubing, push-in fittings and mounting hardware.



## MC751M (Part# 7023872)

For in-die lubrication. Provides ON/OFF oil flow control to in-die ports.

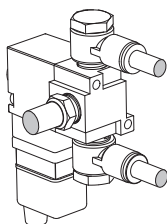


## Filter/Regulator, MC800 (Part# 7008008)

5-micron filter/regulator to insure clean, dry air into MC800 controller.

Part# **7022158**

# MicroCoat® Accessories



## Solenoids

3-way solenoid used to provide on/off switching and control. Tied to press run/clutch circuit. Order appropriate cordset to match solenoid voltage.

Part# <b>7008014</b>	24 volt DC solenoid
Part# <b>7022162</b>	24 volt AC solenoid
Part# <b>7022159</b>	100 volt AC solenoid
Part# <b>7022160</b>	120 volt AC solenoid
Part# <b>7022161</b>	220 volt AC solenoid
Part# <b>7016694</b>	AC solenoid cordset
Part# <b>7008016</b>	DC solenoid cordset

## Tubing

Urethane tubing of various O.D.

For MC785M valves

Part# <b>7008007</b>	4 mm, black
Part# <b>7022171</b>	4 mm, clear
Part# <b>7008006</b>	4 mm, white

MC800 controller outlet tubings to air manifolds

Part# <b>7022175</b>	6 mm, black
Part# <b>7022176</b>	6 mm, white

System input air lines: constant and control air

Part# <b>7022180</b>	8 mm, black
Part# <b>7022181</b>	8 mm, white

Spiral wrap for air/feed lines

Part# <b>7023377</b>	13mm spiral wrap, black
----------------------	-------------------------

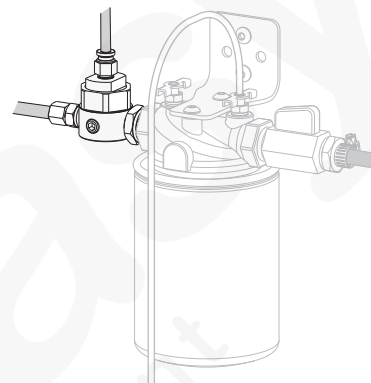


## Fluid Regulator

Provides stepdown fluid pressure control when used with pressurized central fluid systems to feed directly into the MicroCoat MC800 (Part# **7008008**) controller.

Part# **7023854**

Consists of MC filter assembly with fluid regulator attached

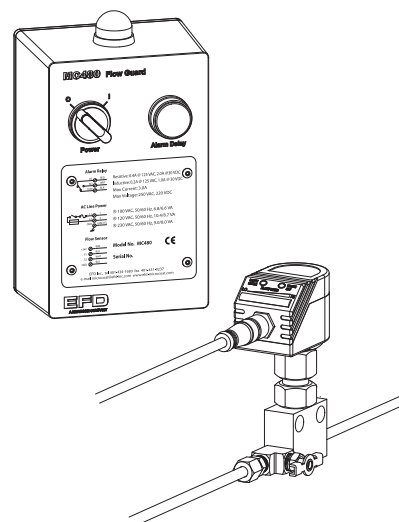


## Flow Guard

Provides effective press/die protection by (1) monitoring lubricant flow, and (2) automatically stopping the press if a high or low flow condition occurs.

Part# <b>7023836</b>	120 VAC version
Part# <b>7023837</b>	220 VAC version

Includes a flow sensor (Part# **7017529**) and Flow Sensor Controller



# MicroCoat® MC800 Series Components

## MicroCoat Spray Valves

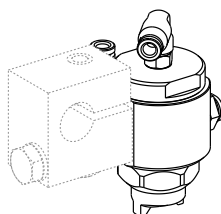
Compact, low-maintenance valve with 4 meter tubing (clear, white, black) and mounting clamp included. Valve fits between the stock feed and die, and applies lubricant in a fine, uniform film without mist or overspray. To simplify installation, refer to valve mounting hardware product sheet.

MC785M (Part# **7008020**)

Standard Fan Spray valve up to 3" coverage

MC785M-WF (Part# **7008013**)

Wide Fan Spray valve up to 6" coverage



## MicroCoat Controller

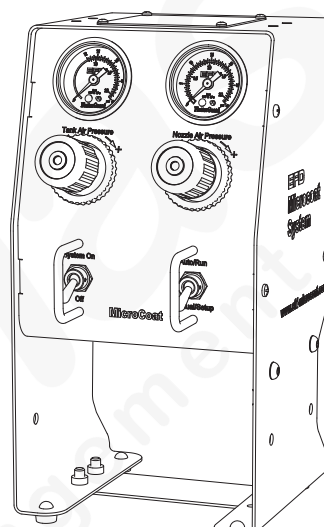
The base controller provides operation of system on/off; Auto/Run or Manual mode; reservoir and nozzle air pressure controls.

MC800 (Part# **7008008**)

MicroCoat Controller

MC800-15 (Part# **7023877**)

MicroCoat Controller with 0-15 psi



## Fluid Manifold

Divides the fluid flow to the different MC785M (Part# **7008020**) valves. Each manifold accepts up to (4) flow controls.

Part# **7008010**

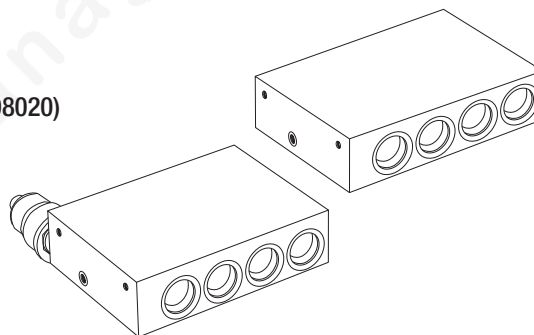
with pressure sensor

Part# **7008003**

without pressure sensor

Part# **7022182**

pressure switch, 10 PSI



## Fluid Flow Control Valve

Provides independent flow control of the fluid lubricant to each spray valve. Each blue ring on the indicator stem signifies one complete rotation.

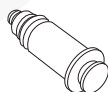
Part# **7008004**



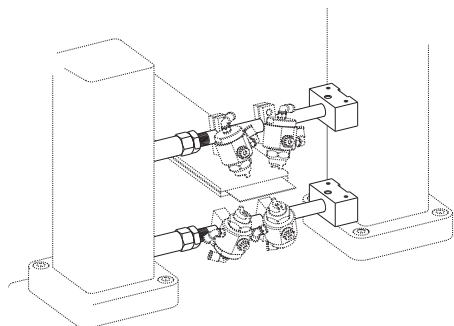
## Manifold Block-off Plug

Used to block off fluid flow in unused manifold port.

Part# **7008005**



# MicroCoat® Valve Mounting Hardware



## Expansion Mount

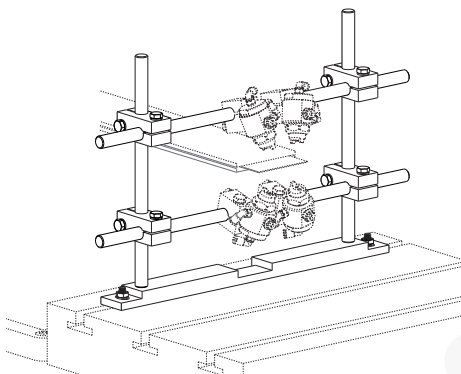
Fits in the press window of four post stamping presses. No need to drill or fabricate attachment hardware; the fixture expands to fit securely between the two posts of the press. Includes (2) sets of 1/2" diameter stainless steel rods and mounting hardware. Two sizes available for press windows up to 12" or 24". Contact EFD if longer lengths are required.

Part# **7023864**

Expansion mount kit (12")

Part# **7023865**

Expansion mount kit (24")



## Gantry-style Mount

For installing on bolster plate or other flat area. Includes (4) part# **7023862** cross clamps, (2) 9.4" threaded vertical rods, (2) 15.75" horizontal rods and (1) 13.75" base plate. Vertical rods can be purchased separately for use with 8 mm x 1.25 mm threaded magnetic mounts.

Part# **7023867**

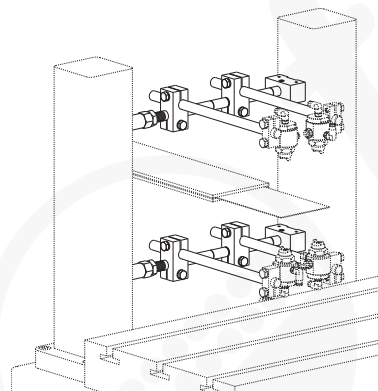
Gantry-style mount kit

Part# **7021103**

Horizontal rod

Part# **7021102**

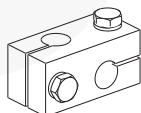
Threaded vertical rod



## Extension Rod

Use with cross clamp to extend valves beyond press window. Stainless steel rod 1/2" in diameter by 4" long.

Part# **7021098**



## Cross Clamp

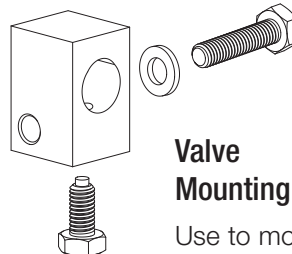
Use to extend valves from expansion or gantry mount.

Part# **7023862**

## Mounting Rod

Stainless steel rod 1/2" in diameter by 10" long.

Part# **7021060**



## Valve Mounting Clamp

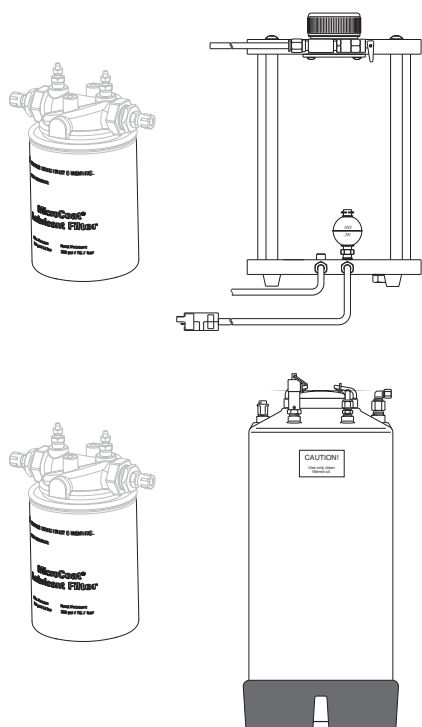
Use to mount MC785 valves to 1/2" diameter rod.

Note: (1) included with each MC785M valve.

Part# **7021742**



# MicroCoat® Tanks



Part# **7016750** - 6 mm feed line

## Tank Reservoirs

Clear acrylic reservoirs allow easy viewing of oil level and feature a low-level float switch, lubricant filter assembly. Mounting brackets included.

- |                      |                              |
|----------------------|------------------------------|
| Part# <b>7023843</b> | 3.8 liter or one gallon tank |
| Part# <b>7023846</b> | 7.5 liter or two gallon tank |

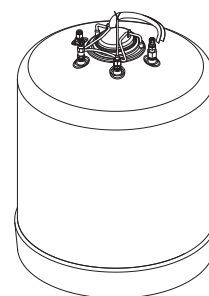
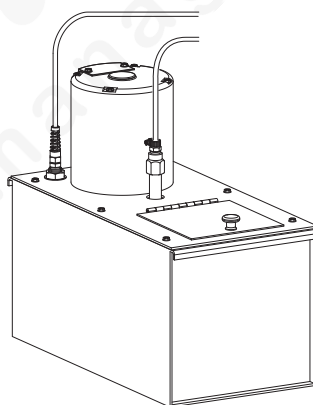
19 liter or five gallon reservoirs are made of 304 stainless steel and include a low-level float switch and lubricant filter assembly. Units are freestanding. The MC687-DFS (Part# **7023848**) has a second float switch that can be wired to a warning device.

- |                      |   |
|----------------------|---|
| Part# <b>7023849</b> | Five gallon tank<br>with low-level float switch                             |
| Part# <b>7023850</b> | Five gallon tank<br>with double float switch<br>(detects mid and low level) |

## MicroCoat Pump/Reservoir System

The MC600 system is a gear-type pump that provides consistent fluid feed to the MC800 (Part# **7008008**) controller. For lubricant use only. Features include a 6-gallon or 22.71 liter capacity fluid tank, low fluid level detection switch and the MC690-FR (Part# **7023853**) fluid regulator.

- |                      |   |
|----------------------|---|
| Part# <b>7023841</b> | 120V motor  |
| Part# <b>7008002</b> | 220V motor  |
| Part# <b>7020470</b> | Single float switch kit (included)                          |
| Part# <b>7008012</b> | Dual float switch kit<br>(order separately for auto refill) |



20 gallon or 75.71 liter  
pressure pot style tank  
Part# **7022787**



name \_\_\_\_\_ title \_\_\_\_\_

company \_\_\_\_\_

address \_\_\_\_\_

city \_\_\_\_\_ state \_\_\_\_\_ zip code \_\_\_\_\_

e-mail \_\_\_\_\_ Yes, please send e-news.

telephone \_\_\_\_\_ fax \_\_\_\_\_

1. Please describe your application.

2. What kind of fluid is applied?

\_\_\_\_\_

viscosity: \_\_\_\_\_ cps

3. What is your current method of fluid application?

drip or drip/pad      air spray  
airless spray      stock roller  
other \_\_\_\_\_

4. What coverage is required?

thin      continuous  
medium      intermittent  
heavy

5. Where is the fluid applied?

top      bottom      top and bottom

On what material? \_\_\_\_\_

6. What range of material widths or surface area needs to be coated?

\_\_\_\_\_ minimum      \_\_\_\_\_ maximum

## General Fluid Coating Application Profile

For recommendations, please complete and fax to **401-431-7079**.

If you prefer immediate application assistance, please call:

USA & Canada: 800.556.3484 or +1-401.431.7000

Europe: 0800 585733 or +44 (0) 1582 666334

India: +91 80 4021 3600      Asia: +86 (21) 3866 9006

email: [info@nordsonefd.com](mailto:info@nordsonefd.com)

For online information, please visit: [www.nordsonefd.com](http://www.nordsonefd.com)

7. What is the available height above and below the material where spray nozzles could be mounted?

\_\_\_\_\_ above

\_\_\_\_\_ below

8. How fast is the material feed?

\_\_\_\_\_ fpm

9. What process improvements do you want?

controlled coverage	reduce rejects
reduced maintenance	increase output
clean work environment	cut fluid use
other _____	

10. Do you have further comments or questions?

### Action requested ...

Please call to confirm EFD MicroCoat System will meet my requirements and to make recommendations.

I am interested in a no-charge evaluation.

My phone number is: \_\_\_\_\_ ext. \_\_\_\_\_

Best time to call is: \_\_\_\_\_ am \_\_\_\_\_ pm

The Wave Design is a trademark of Nordson Corporation.  
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v051414

