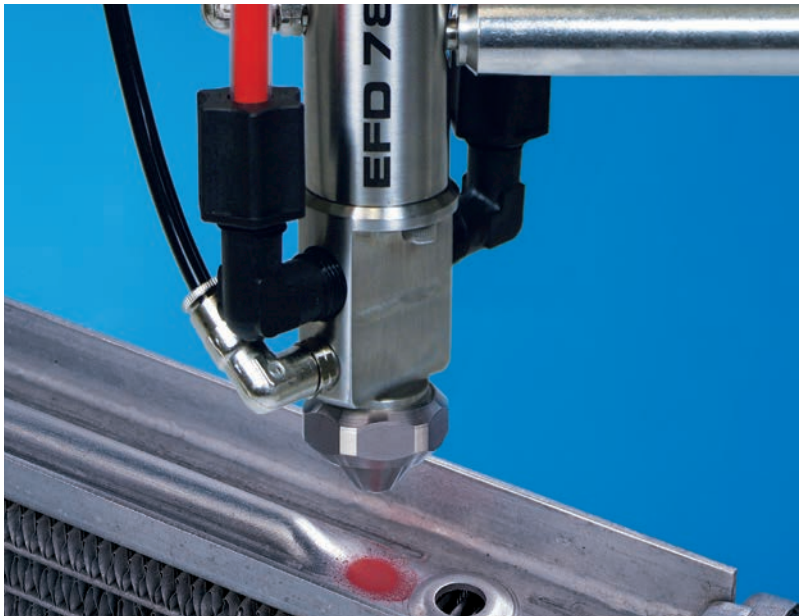


781RC-SS Recirculating Spray Marking System

For use with marking inks, paints, and other fluids that separate



Unique 781RC spray marking system produces round patterns and stripes.

The 781RC MicroMark® Recirculating Spray Marking System produces uniform round patterns and stripes from 5.0 mm to 30.4 mm (0.20" to 1.20") wide without clogging or overspray.

This unique marking system eliminates the clogging, maintenance, and downtime encountered with standard marking systems by using a recirculating pump to keep pigments in suspension and a programmable air delay after each cycle to clean the spray nozzle.

This MicroMark system can be used to color-code similar components, indicate pass/fail, or show production or test status. It can be activated manually, or interfaced with other systems to mark at scheduled intervals.

Adjustable Low Volume Low Pressure (LVLP) nozzle air transfers fluid from the nozzle to the part at low velocity with high transfer efficiency.



781S marks automotive tire with yellow paint.

"The MicroMark is a virtually maintenance-free ink marking system that is easy to adjust. It is the standard marking system on every new balancing machine we produce."

Schenck Turner Inc.

Features and Benefits

- No clogging, dripping, or drying out
- Keep pigments in suspension
- No missed shots
- Consistent size and placement
- Cycle rate exceeds 400/minute
- No mist or overspray
- Low-maintenance design

Part #	Description
7012744	781RC-SS spray valve 0.014"
7012745	781RC-SS spray valve 0.028"
7012385	781RC-SS spray valve 0.046"

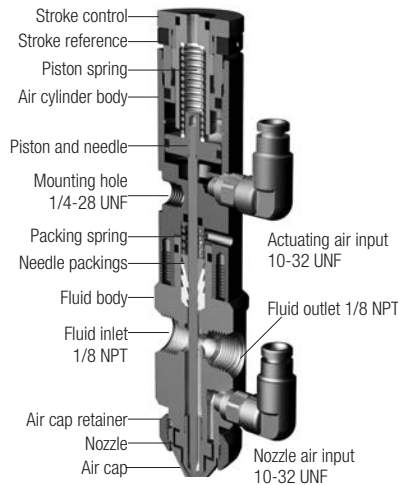


more info



Specifications

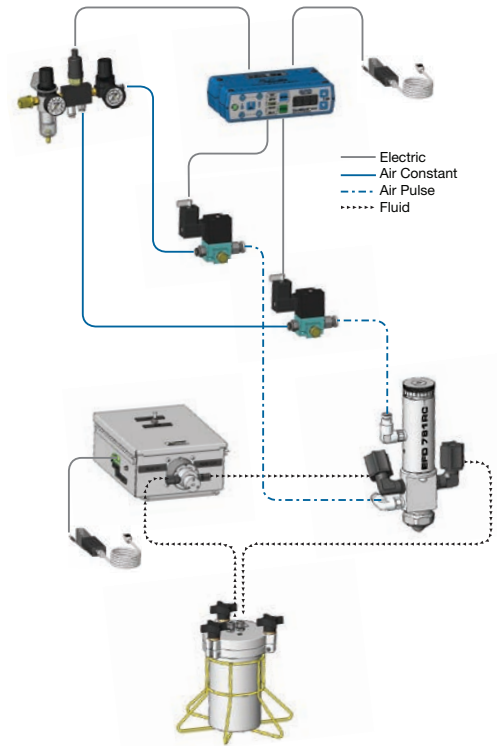
Item	Specification
Size	104.6L x 26.9d _{IA} mm (4.12L x 1.06d _{IA} ")
Weight	235.3 g (8.2 oz)
Actuating air pressure required	4.8–6.2 bar (70–90 psi)
Maximum fluid pressure	20.7 bar (300 psi)
Fluid inlet / outlet	1/8 NPT female
Mounting	(1) 1/4-28 UNF tapped hole
Cycle rate	Exceeds 400 per minute
Air cylinder body	303 stainless steel (also used in fluid body, air cap, piston and needle, and nozzle)
Warranty	1 year, limited



The recirculating pump system includes the 781RC* spray valve, ValveMate™ 8040 controller, recirculating pump and 1 liter fluid reservoir.

Expert technical assistance and high quality standards ensure productive, trouble-free performance. Nordson EFD offers a full line of reliable dispensing systems to meet your specific application requirements.

*System also available with 787MS MicroSpray valve.



MicroMark Controller

Valve open time is the primary control of deposit size. The MicroMark controller adjusts valve open time and nozzle pressure. It puts push-button adjustment of valve open time where it needs to be — near the valve.

- Multi-valve control — up to two (2) spray valves
- Partner to Programmable Logic Controller (PLC)
- Easy deposit size control
- Precise control of nozzle air pressure
- Nozzle air delay for clog-free operation
- Increased production output
- End user convenience
- Maximum machine efficiency

Select Your Controller

See the Valve Selection Guide for the controllers compatible with this valve — www.nordsonefd.com/ValveGuide.

Fluid Reservoirs

The MicroMark system includes a 1.0 liter tank reservoir and one polyethylene liner.

The tank features full cover removal for easy liner replacement or to place a bottle into this top-ported tank. A 15 psi (1.0 bar) precision tank regulator ensures constant fluid pressure to the spray valve.

Options: 5.0 liter tanks and cartridge reservoirs can be specified. Cartridge sizes range from 2.5 to 32 ounces (75cc to 950cc).

Automated Dispensing Systems

Nordson EFD automated dispensing systems deliver market-leading repeatability and accuracy in fluid placement and positioning. Specialized dispensing software simplifies setup and programming. Optimize dispensing results with features such as laser height sensing and smart vision CCD cameras.

Request a Process Evaluation

Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:

- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

Global

800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe

00800 7001 7001
infoefd.europe@nordsonefd.com

Asia

China: +86 (21) 3866 9006; china@nordsonefd.com
India: +91 80 4021 3600; india@nordsonefd.com
Japan: +81 03 5762 2760; japan@nordsonefd.com
Korea: +82-31-736-8321; korea@nordsonefd.com
SEAsia: +65 6796 9522; sin-mal@nordsonefd.com

©2022 Nordson Corporation v041822