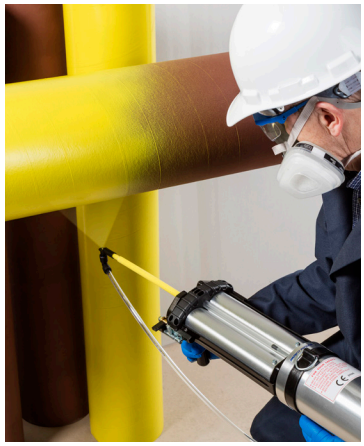
High Solid Spray (HSS) System

High solid spray system for coating applications

The fully assembled HSS High Solid Spray System includes dispense gun, cartridge, mixer with spray nozzle, and a regulator kit.

The HSS Spray System is the perfect size for field applications.



The HSS Spray System easily sprays low-viscosity paints.

The HSS Spray System is an innovative dispensing system using EFD Side x Side cartridges for meter mix and spraying of two-component materials.

The system can be used for a variety of industrial spraying and dispensing solutions, including high solid coatings and adhesives. It's ideal for truck bedliners, pipe coating, manhole restoration, marine repair, roofing projects, and other maintenance and touch-up applications.

The complete HSS system includes a lightweight dispense gun equipped with handles and straps for extra portability and ease of use. A regulator on the gun's atomizing air line provides easy adjustment to accurately control air flow. Static mixer spray nozzles are available in a range of outlets and spray patterns.

Features

- Patented spray manifold/static mixer assembly
- Control of air flow, volume, and pressure
- Many mixer options available
- Reliable, lightweight, and portable design

Benefits

- Easy to adjust spray pattern for all jobs
- Complete material mixing and atomization
- Easy to switch out cartridges
- Flexibility to dispense different pigments
- Quick clean-up

more info

Nordson EFD

HSS SPRAY GUNS – PNEUMATIC TOP LOAD

Sold individually. Order the gun, retaining nut, mixer with spray nozzle, cartridges, and regulator kit for the complete system.

MULTI-RATIO LOW PRESSURE GUN - 2.5" CYLINDER

Part #	Cartridge Size	1:1	1.25:1	1.2:1	1.3:1	1.5:1	1.6:1	2:1	2.5:1	2.7:1	3.1	3.3:1	4:1
7661025	150 x 150	✓	–	–	–	–	–	–	–	–	–	–	–
	200 x 200	✓	–	–	–	–	–	–	–	–	–	–	–
	250 x 250	✓	–	–	–	–	–	–	–	–	–	–	–
	300 x 300	✓	–	–	–	–	–	–	–	–	–	–	–
	250 x 200	–	✓	–	–	–	–	–	–	–	–	–	–
	300 x 250	–	–	✓	–	–	–	–	–	–	–	–	–
	200 x 150	–	–	–	✓	–	–	–	–	–	–	–	–
	150 x 100	–	–	–	–	✓	–	–	–	–	–	–	–
	300 x 200	–	–	–	–	✓	–	–	–	–	–	–	–
	250 x 150	–	–	–	–	–	✓	–	–	–	–	–	–
	150 x 75	–	–	–	–	–	–	✓	–	–	–	–	–
	200 x 100	–	–	–	–	–	–	✓	–	–	–	–	–
	300 x 150	–	–	–	–	–	–	✓	–	–	–	–	–
	250 x 100	–	–	–	–	–	–	–	✓	–	–	–	–
	200 x 75	–	–	–	–	–	–	–	–	✓	–	–	–
	300 x 100	–	–	–	–	–	–	–	–	–	✓	–	–
	250 x 75	–	–	–	–	–	–	–	–	–	–	✓	–
	300 x 75	–	–	–	–	–	–	–	–	–	–	–	✓

HIGH PRESSURE GUN - 4.0" CYLINDER

Part #	Cartridge Size	1:1	2:1
7661027	750 x 750	✓	–
7661224	600 x 300	–	✓

Pneumatic guns require the HSS Air Regulator Conversion Kit.

HSS AIR REGULATOR CONVERSION KITS

All pneumatic guns require a regulator kit for spraying.

Part #	Description
7660025	Air Regulator Kit - 2 feet long
7660026	Air Regulator Kit - 3 feet long

Nordson EFD

HSS SPRAY GUNS – PNEUMATIC TOP LOAD

Sold individually. Order the gun, retaining nut, mixer with spray nozzle, cartridges, and regulator kit for the complete system.

MULTI-RATIO HIGH PRESSURE GUN - 4.0" CYLINDER

Part #	Cartridge Size	1:1	1.25:1	1.2:1	1.3:1	1.5:1	1.6:1	2:1	2.5:1	2.7:1	3.1	3.3:1	4:1
7661026*	150 x 150	✓	–	–	–	–	–	–	–	–	–	–	–
	200 x 200	✓	–	–	–	–	–	–	–	–	–	–	–
	250 x 250	✓	–	–	–	–	–	–	–	–	–	–	–
	300 x 300	✓	–	–	–	–	–	–	–	–	–	–	–
	250 x 200	–	✓	–	–	–	–	–	–	–	–	–	–
	300 x 250	–	–	✓	–	–	–	–	–	–	–	–	–
	200 x 150	–	–	–	✓	–	–	–	–	–	–	–	–
	150 x 100	–	–	–	–	✓	–	–	–	–	–	–	–
	300 x 200	–	–	–	–	✓	–	–	–	–	–	–	–
	250 x 150	–	–	–	–	–	✓	–	–	–	–	–	–
	150 x 75	–	–	–	–	–	–	✓	–	–	–	–	–
	200 x 100	–	–	–	–	–	–	✓	–	–	–	–	–
	300 x 150	–	–	–	–	–	–	✓	–	–	–	–	–
	250 x 100	–	–	–	–	–	–	–	✓	–	–	–	–
	200 x 75	–	–	–	–	–	–	–	–	✓	–	–	–
	300 x 100	–	–	–	–	–	–	–	–	–	✓	–	–
	250 x 75	–	–	–	–	–	–	–	–	–	–	✓	–
	300 x 75	–	–	–	–	–	–	–	–	–	–	–	✓

*Gun P/N 7661026 features a narrow cradle.

HSS SPRAY NOZZLES WITH MIXERS

Nozzles have standard orifice of 0.085" (2.16 mm) except those noted as large orifice which is 0.130" (3.3 mm).

STRAIGHT

Part #	Description	Orifice Size	# of Elements	Element Diameter ID (in / mm)	Retaining Nut
7660861	Straight Conical	0.085"	24	0.25 / 6.35	7/8 - 14
7660855	Straight Conical	0.13"	24	0.37 / 9.52	7/8 - 14

RIGHT ANGLE

Part #	Description	Orifice Size	# of Elements	Element Diameter ID (in / mm)	Retaining Nut
7660833	Right Angle	0.085"	24	0.37 / 9.52	7/8 - 9

HIGH FLOW

Part #	Description	Orifice Size	# of Elements	Element Diameter ID (in / mm)	Retaining Nut
7661202	High flow, 5/8"	0.455"	24	0.5 / 12.7	7/8 - 9

HSS SPRAY SYSTEM REPLACEMENT PARTS			
REPLACEMENT PLUNGERS			
Sold individually.			
Part #	**Description**	**2.5" Gun**	**4.0" Gun**
7661029	75 mL replacement plunger	✓	✓
7661371	100 mL replacement plunger	✓	✓
7661032	150 mL replacement plunger	–	✓
7661328	150 mL replacement plunger	✓	✓
7661486	250 mL replacement plunger	✓	✓
7661030	300 mL replacement plunger	✓	✓
7661033	300 mL replacement plunger	–	✓
7661034	600 mL replacement plunger	–	✓
RETAINING NUTS			
Retaining nuts hold mixer in place on cartridge; spare nuts can be ordered as needed.			
Part #	**Description**		
7660730	7/8 - 9 Retaining Nut (polyethylene)		
STABILIZER PLATES			
Stabilizing plates ensure proper cartridge alignment in gun cradle; spare plates can be ordered as needed.			
Part #	**Description**		
7661498	Stabilizer Plate for 2.5" Cylinder Spray Gun		

HSS Spray System Cartridges

The HSS Spray System can use EFD Side x Side.

Side x Side Cartridges

Nordson EFD Side x Side cartridges feature a rugged, one-piece design that resists bulging to ensure on-ratio dispensing. Select from volumes that range from 50mL to 1500mL, with ratios from 1:1 up to 10:1.

Sample Cartridge Ratios

1:1 ratio

2:1 ratio

4:1 ratio

10:1 ratio

Nordson

EFD

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

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