Maintain constant application pressure and improve adhesive metering precision

**PS metering stations:**
- act as booster pumps to compensate for high pressure/volume losses and maintain system pressure with high viscosity materials like butyls
- provide multiple adhesive streams to add application points
- move the volumetric adhesive supply unit as close as possible to the point of application to provide precise, consistent adhesive flow

**Description**
The Nordson® PS metering station is designed to easily increase the number of adhesive output streams and/or improve processing efficiency.

The PS metering station is typically integrated into a Nordson engineered system. However, it can also be a retrofit solution with a separate control cabinet with PLC and intuitive touch panel interface for easy integration into existing installations including key-to-line functionality controlled by the parent machine. Adding a PS metering station can be an economical way to expand the number of adhesive streams rather than investing in an additional new melter.

The compact layout allows positioning the precise metering as close to the point of application as possible. The PS metering station features an optional circulation port, which builds a highly dynamic application system with recirculating applicators for accurate intermittent applications. Unwanted hammerheads and inconsistent beads are eliminated.

As a booster pump it helps maintain constant pressure by compensating for pressure losses in the system; a problem often caused when applying higher viscosity materials.

The PS metering station is available in two layout versions with one to four pumps depending on the output capacity. The pumps each feature one or two outputs and high dynamic servo drives.
PS Metering Station

Specifications

Capacity
1, 2, 3 or 4 pumps per frame

Version
PS Midi: up to 80 L/hr (21 gal/hr) per pump
PS Maxi: 80 - 300 L/hr (21-79 gal/hr) per pump

Inlets
1 (including inlet pressure control)

Outlets
1 or 2 per pump (max. 8 per station)
or alternatively a re-circulation port instead of a 2nd outlet

Motor Type
Servo drive

Control
Siemens® PLC

Operating Temperature Range
up to 250° C (489° F)

Operating Pressure
up to 100 bar (1450 psi) as standard metering unit
up to 250 bar (3625 psi) as booster pump

Adhesive Viscosity
Dependent on material rheology and process parameters

Inlet Hose Connection
8, 13, 16, 20, 32 mm (0.31, 0.51, 0.63, 0.79, 1.26 in.)

Outlet Hose Connection
8, 13, 16, 20, 32 mm (0.31, 0.51, 0.63, 0.79, 1.26 in.)

Supply Voltage
3 x 400 V+N+PE 50/60Hz

Temperature Sensors
PT100, FeCuNi, Ni120

Siemens is a registered trademark of Siemens AG.

Dimensions in mm

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