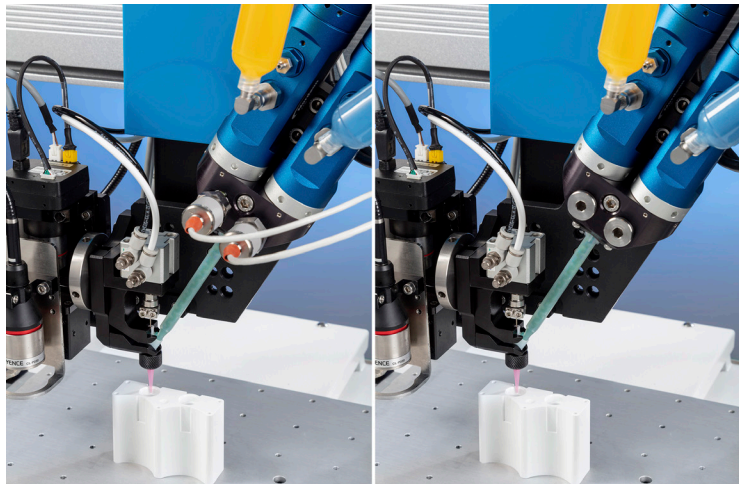
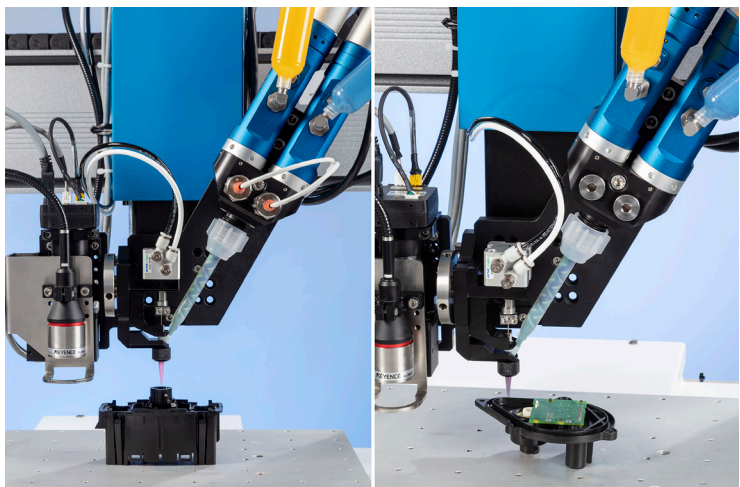


797PCP-2K Modular Manifolds

Configure for Optimal Process Control



Modular manifold featuring bayonet mixers with (Left) / without (Right) pressure sensors for medical applications.



Modular manifold featuring bell mixers with (Left) / without (Right) pressure sensors for automotive applications.

Nordson EFD's 797PCP-2K modular manifolds are engineered to provide mixing options for a broad range of two-part fluids and viscosities. The modular design allows use with or without pressure sensors, and is compatible with EFD bayonet and standard bell style mixers.

With pressure sensors, manufacturers can safeguard that two-component (2K) fluids are mixed properly. This ensures that two-part fluids cure correctly, saving valuable production time and reducing rework and rejects.

Pressure sensors monitor the pressure of fluid moving through Side A and Side B of the 797PCP-2K modular manifolds, allowing users to quickly identify an increase or decrease in fluid pressure that could impact the mix ratio.

In addition, different flow path sizes allow optimization of fluid flow for mix ratio dispensing:

- For a 1:1 mix ratio, use the 2 x 2 mm bayonet manifold or 5 x 5 mm bell manifold.
- For a 4:1 or 10:1 mix ratio, use the 2 x 4 mm bayonet manifold or 2 x 5 mm bell manifold.

As part of a completely integrated solution, the modular manifolds operate seamlessly with our 797PCP-2K pumps, controllers, static mixers, and accessories.

Features

- Modular design — use with or without pressure sensors
- Manifolds for bayonet mixers and standard bell mixers
- Optimized flow paths for 1:1, 4:1, and 10:1 mix ratio dispensing
- Sensors monitor the fluid pressure (not the flow rate) of Part A and Part B fluids
- Designed to fit Omega PX61V Series sensors:
 - o Miniature flush diaphragm for easy cleaning
 - o All stainless-steel construction
 - o Available in PSIA, PSIS, PSIG, and metric ranges

Benefits

- Modular design for greater versatility
- Improved process control ensures 2K mix ratio integrity
- Eliminates risk of rejected parts due to improper mix ratio or fluid cure
- Retrofits on existing 797PCP-2K progressive cavity pump system installations

797PCP-2K Modular Manifolds

Part #	Manifold Type	Flow Path
7365963	Bayonet	2 x 2 mm
7365965	Bayonet	2 x 4 mm
7365983	Bell	2 x 5 mm
7365985	Bell	5 x 5 mm

Pressure Sensor

Part #	Description
7365999	Kit, pressure sensor with signal conditioner

Note: Order pressure sensors separately. Each pressure sensor includes a signal conditioner. The pressure sensor cable is 1.5 m (15") long.



more info

Specifications

Manifold

Item	Specification
Number of sensors	1 or 2 (empty sensor ports are plugged)
Sensor port size	1/2-20 UNF x 10.5 mm (0.400") thread depth
Sensor geometry	Flush diaphragm sensor, face-mounted
Manifold outlet	Bayonet or bell
Material	Anodized aluminum
Approvals	RoHS, REACH

Pressure Sensor

Item	Specification
Pressure sensing capability	0–20.7 bar (0–300 psi)
Accuracy	1.0% linearity and hysteresis combined
Repeatability	±0.1% of full-scale output
Balance	±2.0% of full-scale output
Compensated temperature range	16–71° C (60–160° F)
Thermal effects	Zero: ±0.01% FS/°F Span: ±0.02% FSO/°F
Proof pressure	150% of capacity
Burst pressure minimum	300% of capacity or 30,000 psi, whichever is less
Electrical connections	4-conductor cable
Pressure connection	1/2-20 UNF-2A
Wetted parts	17-4 PH stainless steel

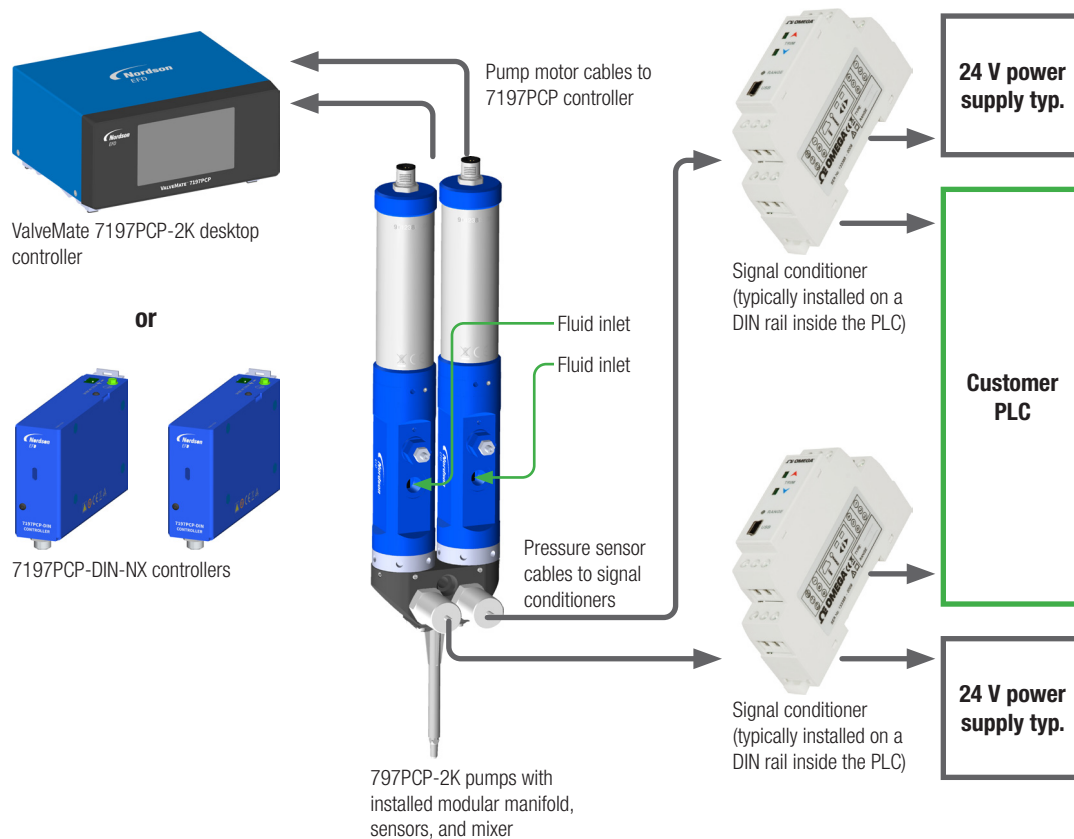
Signal Conditioner

Item	Specification
Output	4-20 mA or 0-10V (USB configurable)
Supply	24 VDC typ.

Note: Specifications and technical details are subject to change without prior notification.

Typical System Layout

NOTE: This system layout illustration is for reference purposes only to show the connections in a typical 797PCP-2K system with a modular manifold and two pressure sensors.



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.

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