

## PD Series Dispenser

The PD Series Dispenser is an advanced fluid dispensing solution tailored for precision, reliability, and versatility. Suitable for research and production environments, it ensures consistent fluid handling with minimal shear, setting a benchmark in dispensing technology.

### Materials and Construction

- Wetted components available in SS316, Delrin, Peek, or other materials.
- Static seals options: EPDM, Viton, Kalrez.
- Durable ceramic pistons for reliability.

### Performance and Efficiency

- Patented fluid circuit using 24VDC solenoid valves.
- No dynamic seals or check valves required.
- FIFO mechanism for reduced cycle times and consistent dispensing.

### Customizability

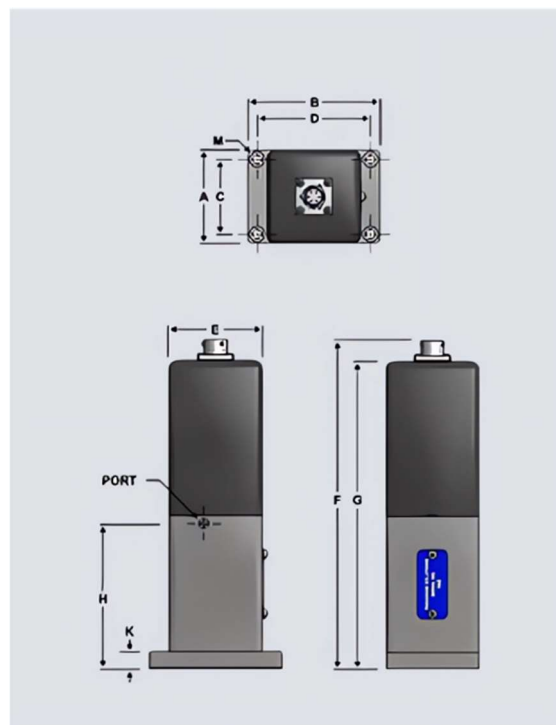
- Quick volume adjustment with a removable cartridge (4-screw system).
- Tailored nozzle, tubing, and system configurations.



### Accessories

- Test stands with evacuation and tare functions.
- Multiple nozzle and tubing configurations.
- Comprehensive replacement parts and technical support.

OVERALL DIMENSIONS (mm)			
	MODEL		
LABEL	PD-10	PD-50	PD-300
A	40.0	60.0	70.0
B	60.0	85.0	100.0
C	30.0	48.0	50.0
D	50.0	73.0	84.0
E	40.0	60.0	70.0
F	160.0	211.0	280.0
G	146.6	197.6	256.4
H	62.7	92.7	148.4
K	10.0	10.0	15.0
M (x4)	3.40 DIA	5.50 DIA	6.60 DIA
PORTS (x2)	1/4-28 UNF-2B	5/16-24 UNF-2B	5/16-24 UNF-2B



### Technical Specifications

Parameter	Specification
Pressure Source	Gravity-fed, pressure source, or tank
Max Pressure	Configurable based on fluid properties
Valve Control	Solenoid valves (24VDC)
Materials	SS316, Delrin, Peek, Ceramic-Alumina
Volume Adjustment	Tool-free cartridge swapping
Maintenance	Minimal due to static seal design

For more information, visit <https://smartreservoirs.com/product/paradigm/>

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