

Sandwich Hydraulic Diaphragm PDP series, type SDI

- PUMPED LIQUID DOES NOT CONTAINS SMALL AMOUNTS OF SUSPENDED SOLID PARTICLES
- DOSED MEDIUM IS CLEAN AND SAFE
- HIGH PRESSURE SOLUTION



Positive Return Sandwich Hydraulic Diaphragm Dosing pump

AI series plunger dosing pumps comply with mechanical and performance API 675 standards.

Furthermore the pumps can be equipped with Explosion Proof or Division II electric motors that are suitable for use in hazardous locations.

Mechanism is an internal worm gear, fully oil bath lubricated with possibility to be coupled with others independently from the size and stroke number to obtain multi-heads unit.

Stroke adjustment can be carried with the pump at rest or in operation and it can be manual or automatic through automatic actuator driven by 4-20 mA; different BUS; pneumatic.

Accuracy within $\pm 1\%$ within 10-100% of rated capacity.

As plunger pumps they are reliable and easy for maintenance and with the possibility to have flushing or leakage recovery system (optional).

Wide choice of wetted materials: S.S.316L; PVC; PP; PVDF; PTFE; other materials available upon request.

Characteristics

Mod	Max capacity (Gal/h)	Max pressure (psig)
SD I 175	103.03	203
SD I 250	333.91	203
SD I 350	1064.09	203
AP SD I 175	61.02	580
AP SD I 250	187.83	1160
AP SD I 350	395.20	812

Note: Higher pressures are available