

## Positive Return Plunger PDP series, type A-I

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



### Positive Return Plunger 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)
AI 175	101.71	725
AI 250	334.18	580
AI 350	942.83	580
AP AI 175	11.62	3335
AP AI 250	42.27	3335
AP AI 350	58.65	3625

Note: Higher pressures are available