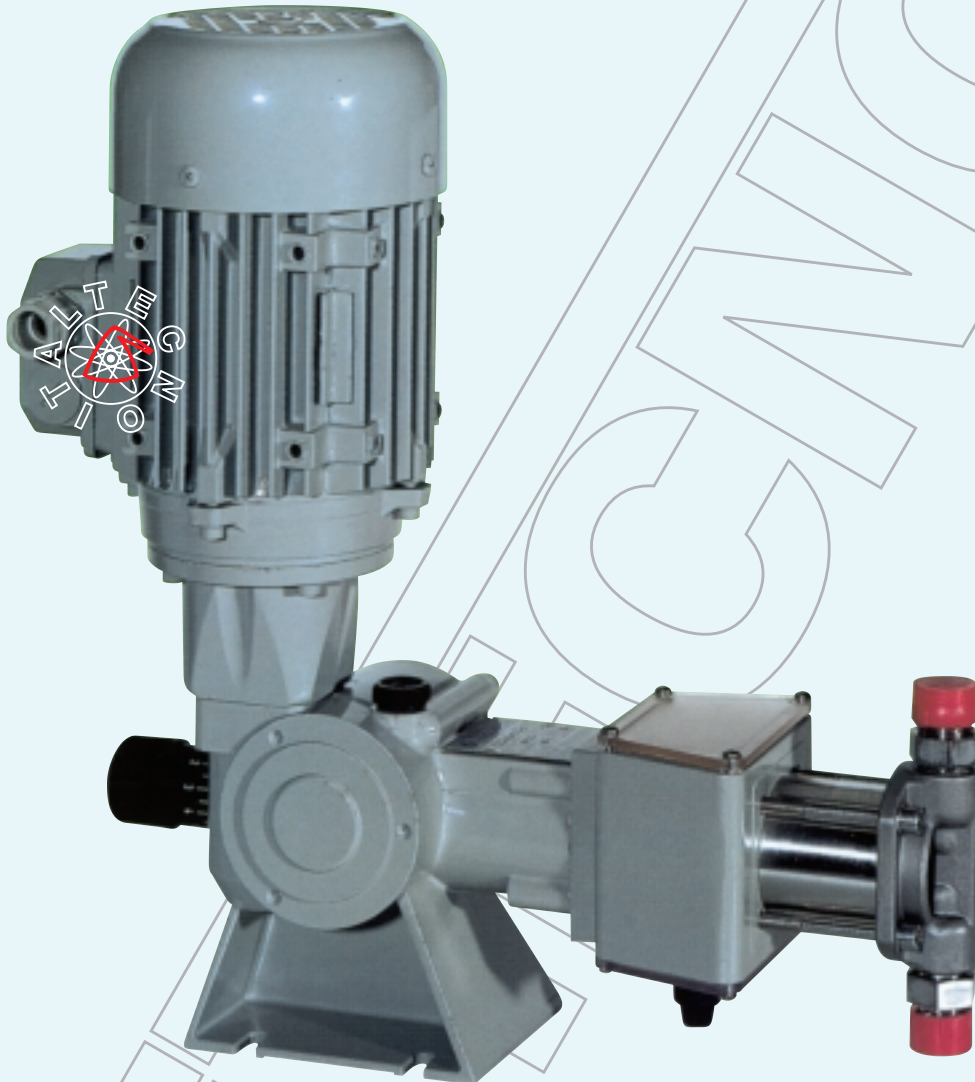




Piston dosing pump

ITADOSE PDP PUMP



Itadose PDP

Nowadays dosing pumps are essential equipment in order to feed the chemical tanks with right amount of liquid chemical; it can be added continuously, keeping the concentration of the solution always constant.

This range of dosing pumps have been specifically designed to guarantee accuracy and they are engineered for continuous dosing applications through a wide range of capacities. The design ensures a high degree of

accuracy and reproducibility.

TECHNICAL FEATURES

All pumps are fitted as standard with gear-box reduction system and with vertically mounted B14 shaped electric motor in accordance with the UNEL-MEC specifications. The motor's power range is from 0.18 Kw upto 0.55 Kw at European standard 3 phase voltages of 230/400 V 50 Hz, 4 poles. Being the motors conform to the UNEL-MEC specifications, they are available in many



alternative options, including different voltages and frequencies, insulation standards and special explosion proof versions.

The gearbox provides for a wormwheel reduction system with all bearing fully supported within the fully lubricated gearbox.

The manually adjustable output with spring return is operated by an eccentric, which provides for the piston delivery stroke (outlet) while the suction stroke (inlet) is spring assisted.

Capacity adjustment can be effected whilst in operation or at rest. The movement of

the piston is based on a precise reciprocating gearbox which provides for exact volumetric displacement. The dosing rate is fully manually adjustable.

Automatic adjustment is available by means of servo control units, with 4÷20 mA output signal, or by means of pneumatic control enabling control from 3÷15 PSI signal air.

A wide range of models with different and controlled capacities from 0,8 lt/h up to 1042 lt/h are available.

The Italtecno technical service will be available when choosing the suitable dosing pump.

