



VOLUMEX PR - 250

METERING UNIT WITHOUT ELECTRIC PARTS

FUNCTIONAL PERFORMANCE-SIMPLE DESIGN-COST EFFECTIVENESS: the reason behind our success!!

FOR PLASTIC AND STAINLESS STEEL CONVEYORS BELTS
IN THE FOOD AND PHARMACEUTICAL INDUSTRIES

CHEMICOUNT®

 *Specialità chimiche*



CHEMICOUNT®

 *Dosing Systems*



VOLUMEX PR - 250

Working principle

Hydraulic pump without electric components. The unit works on the volumetric principle generated by two different diameter pistons. At each cycle, the main piston, driven by the water under pressure, delivers a certain amount of liquid at metering device out-feed. There is another piston inside the metering device that provides the suction of the concentrate to be added to the water.

The amount of concentrate to be delivered is regulated by an external regulating ring (from 0,2 to 2%).

The work range is from a minimum of 50 L/hr to a maximum of 1500 L/hr of water.

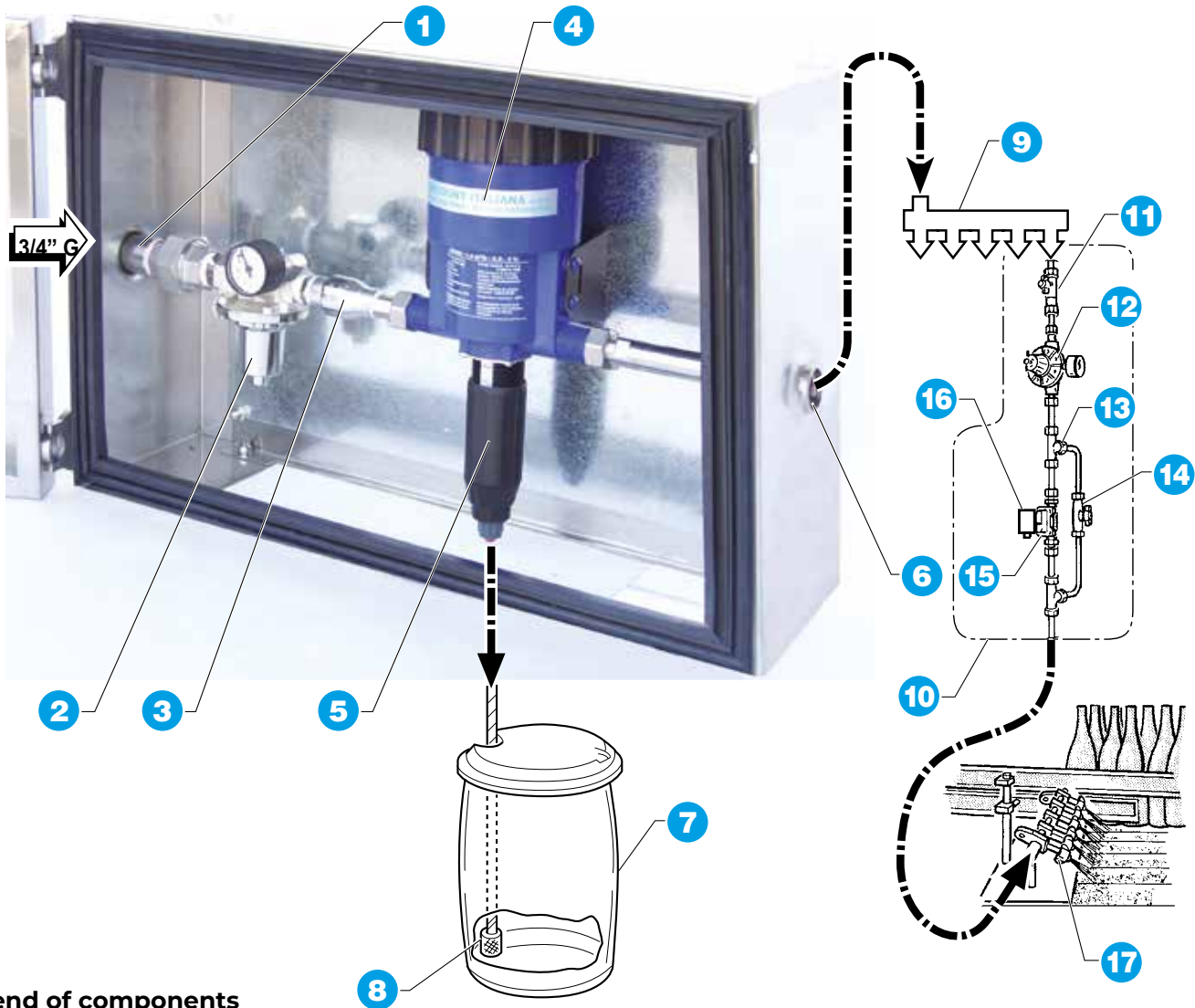
Around 200 utility take-offs depending on the nozzles installed (delivery of each nozzle from 6,6 to 9,6 Lt/hr).

The VOLUMEX PR 250 metering system is not affected by main flow pressure or volume differences.

It guarantees mixtures with highly precise concentrations.

- Max working pressure: 5 bar

- Min. working pressure: 0.5 bar



Legend of components

- | | |
|--|---|
| 1) Water inlet 3/4" G | 9) Different zone take-offs |
| 2) Pressure reducer with manometer | 10) Electro-valve, timer, by pass group |
| 3) One way valve | 11) Cock |
| 4) Hydraulic proportional pump for the dosing of the product | 12) Pressure reducer with manometer |
| 5) Regulating ring for the suction of the product | 13) By-pass |
| 6) Product out-feed | 14) Cock |
| 7) Drum of concentrate Lubricant | 15) Nozzles control solenoid |
| 8) Filter complete with foot valve | 16) Timer Kompact (pause-work) related to the electro-valve |
| | 17) Nozzles |

