

Power Pulse Venturi 600L - Datasheet



Benefits Power Pulse Venturi

- 'Four-in-one' dosing solution
- Single or double suction channel
- Good mixing effect
- High reliability
- Compact installation
- Optimal price-quality ratio

Application

- Water treatment
- Mixing and dosing for industrial or agricultural systems

Function

- propulsion water flows in the main direction through a nozzle in the water jet pump. The nozzle ensures an acceleration of the water and therefore creates suction effect; the so-called venturi effect. This adds a second liquid (or gas) to the main flow.

Design

- The **Power Pulse Venturi** is based on a combination of various techniques that allow accurate dosing. The product consists of a water jet pump with a non-return valve, control needle and a solenoid valve (24 Vac +5%-0%). Standard equipped with EPDM seals.

Point of attention

- The passage in the nozzle with which the venturi is supplied is standard 1.5 mm. The venturi effect starts to occur from about 2.0 mm. The intention is that you can drill the nozzle to the required diameter if desired. See the graphs as a reference.

Flow medium

- The Power Pulse Venturi can be used to mix other liquids (or gases) with the main flow. For mixing aggressive substances such as acid, there is also an FPM version.

Nominal pressure

- Each valve is tested up to 4 bar. Above 4 bar, proper operation cannot be guaranteed.

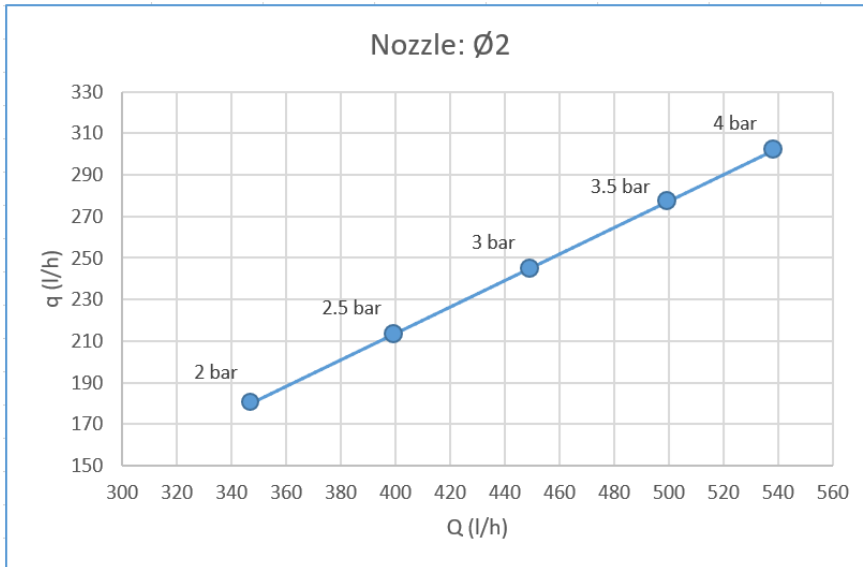
Connection size

- All couplings on the dosing device are 1" BSP (M). The Power Pulse Venturi comes with 20 mm collar bushings and matching swivels.

Flow direction

- The flow direction of the propulsion water (q) is indicated by an arrow on the side of the venturi. The connection position of the suction water (Q) channel can be adjusted by rotating the top block 90° or 180°. To this end, the 4 outer screws must be disassembled, after which the position of the suction channel can be determined.

Characteristics

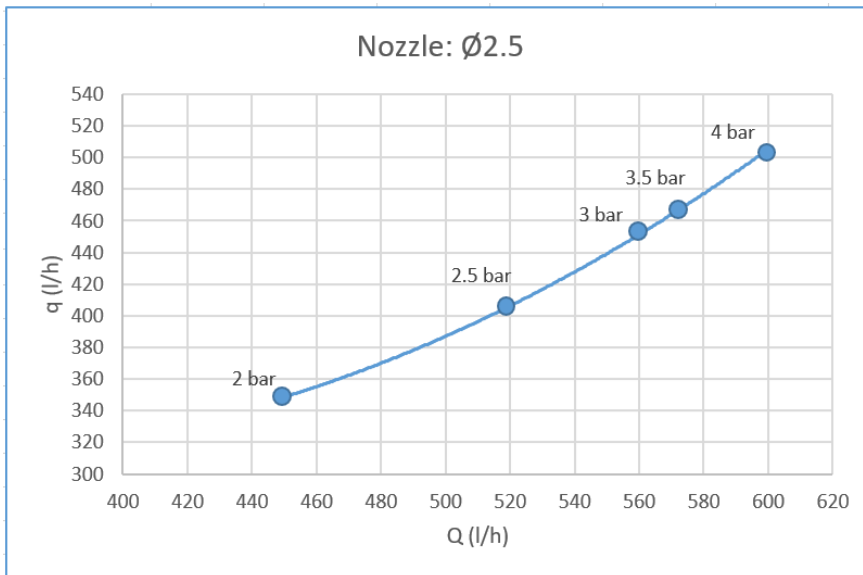


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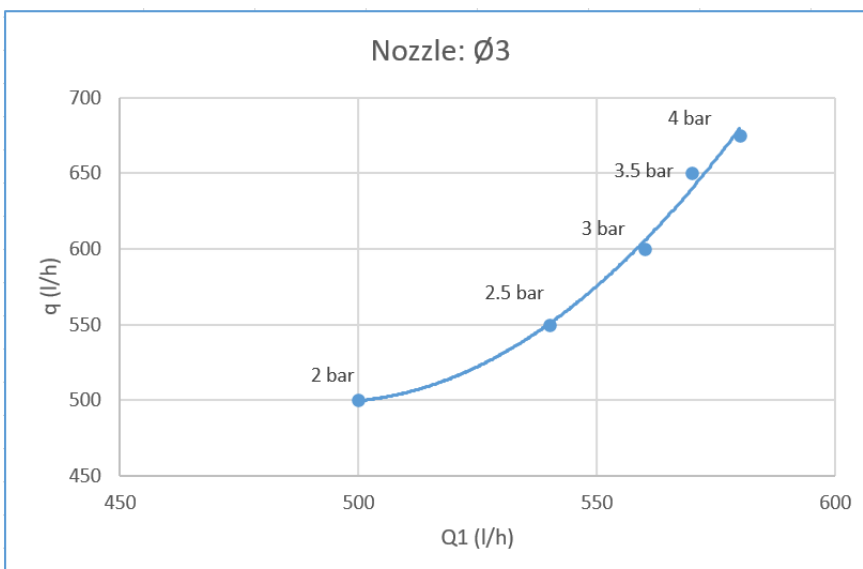
Q = suction water (l/h)

q = propulsion water (l/h)

- The corresponding pressure on the propulsion water is indicated by the points on the line.
- The back pressure is equal to the atmospheric pressure, so 1 bar.



If desired, Power Valves can also assemble the complete dosing channels for you in a stainless steel frame;



The Power Pulse Venturi can also be supplied with dual suction channels (A1A2):

