

English

TECHNICAL PRODUCT INFORMATION

ISSUED 20 MAY 2026 BY LB

Jets® 608704 / Q-31311-26
Impexron GmbH
AURORA POWER

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Product Specification

054100971 VFD Valve, Piston Complete



Jets® VFD Valve is a vacuum operated flush and discharge valve.

Features:

- Low water consumption.
- Design optimized for easy maintenance.
- Ideal for retrofit of existing installations.

IMPORTANT! Note: for deliveries to Australia and New Zealand the product delivery DOES NOT include the 035504000 Ball valve DN15. Please refer to Australian/New Zealand standards and contact your local plumber regarding approved installation methods.

Technical Data



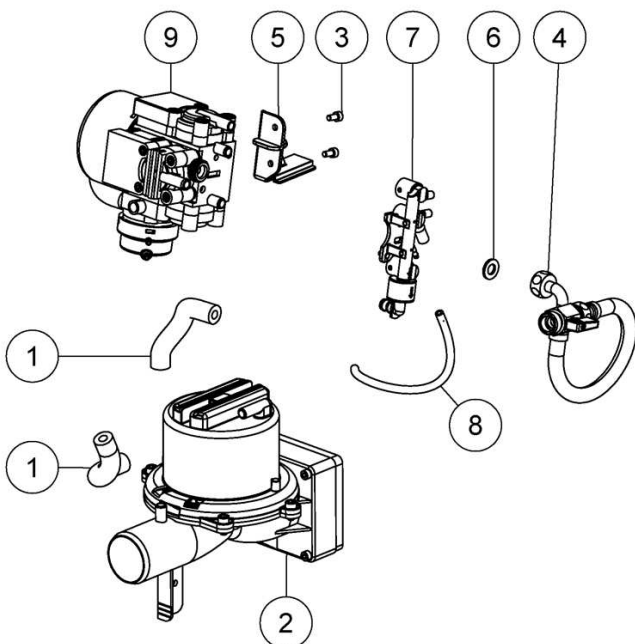
Outside Dimensions.....	245 x 195 x 297 mm (LxWxH)
Generic Material.....	POM
Discharge Valve Inlet.....	Inside diameter Ø 60 mm
Discharge Valve Outlet.....	Outside diameter Ø 50 mm
Water Connection.....	½" male BSP
Net Weight.....	1.895 kg

Operating Data

Flushing Time.....	5 seconds
Discharge Time.....	2 seconds
Water Pressure.....	2-7 bar
Operating Vacuum.....	Recommended 30-55 % Vacuum
Air Consumption.....	Approx. 48 liters at 50% Vacuum
Water Consumption.....	1L (3 bar)
Temperature Range.....	Minimum 1°C to Maximum 60°C (unless frost protection measures are taken)

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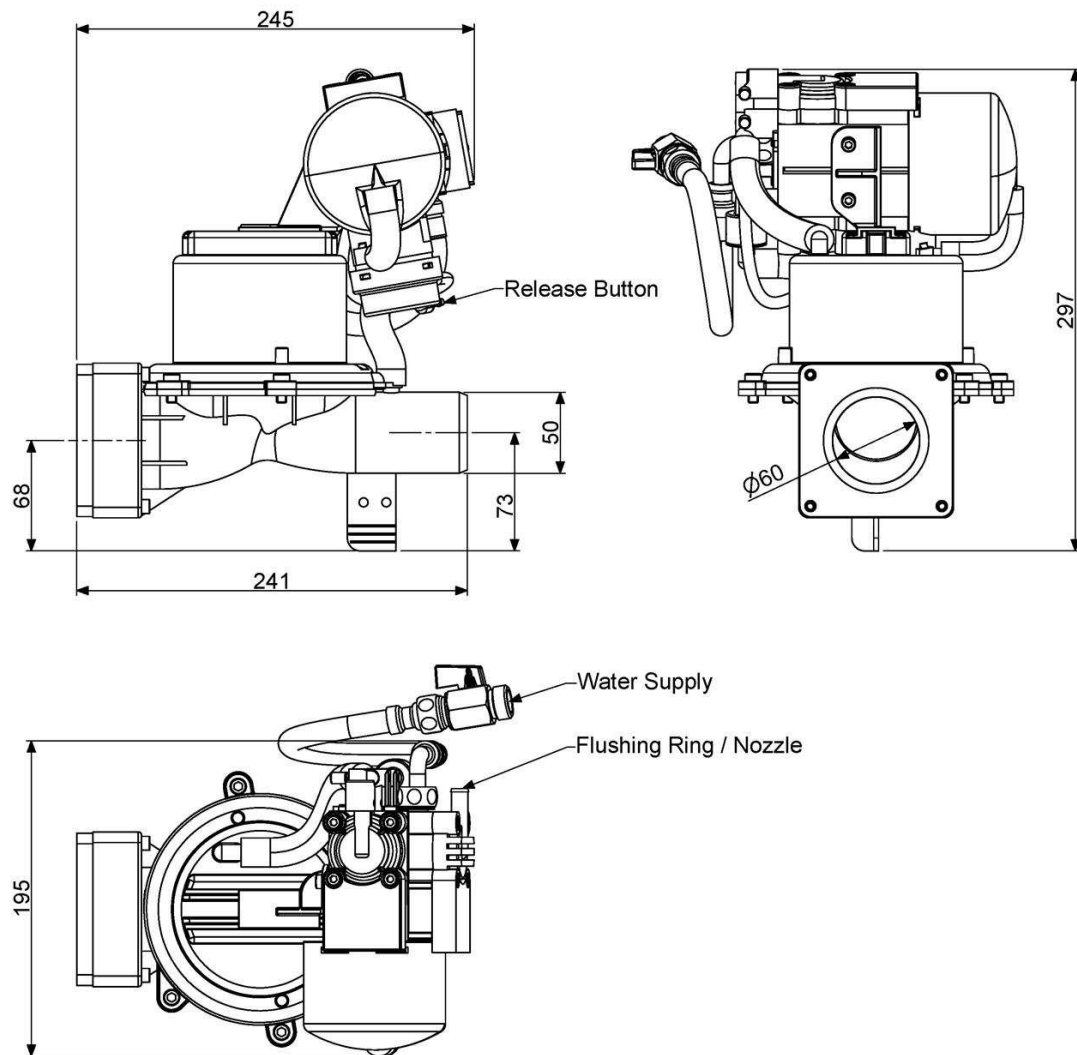


Components

1 Hose	034509000*
⌀ (1 of 034509000 = 1m in length)	
2 D Valve, Piston	050513025*
3 Screw, M5x10	036531600*
4 Hose w/ball valve 550mm	034509620*
5 Bracket BR3	054110032*
6 Gasket	037504200*
7 Distributor w/NR Valve	101100116*
8 Hose, Ø4xØ7mm	034509010*
⌀ (1 of 034509010 = 1m in length)	
9 VPC-V Controller	101100010*

* Component/s available as replacement parts.

Dimension Drawings



Function and Principle

Explanation of VFD Valve Function

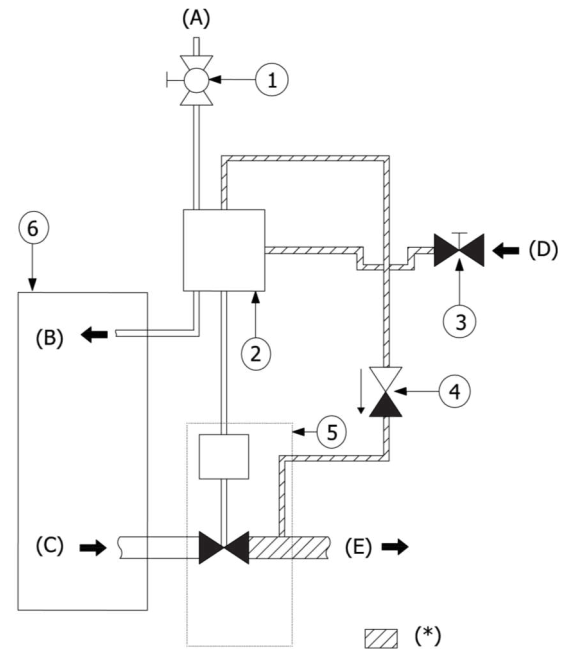
- ① Ball Valve Water Inlet
- ② VPC-V Controller
- ③ Release Mechanism
- ④ Non-return Valve
- ⑤ D Valve
- ⑥ Source (toilet, urinal, etc.)

- (A) Water Supply
- (B) Water Inlet to the Source
- (C) Outlet from the Source
- (D) Air Inlet
- (E) D Valve Outlet

(*) Vacuum in the piping as indicated.

Normal Position: Closed Valve

- VPC-V Controller ② - CLOSED
- D Valve ⑤ - CLOSED



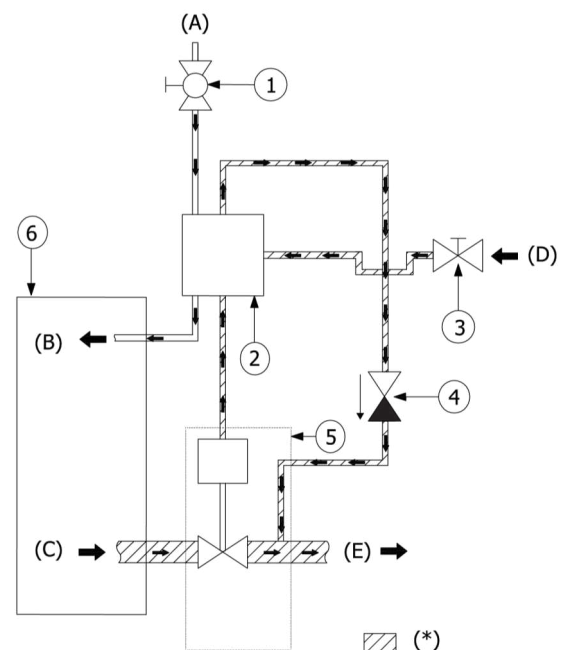
Emptying Sequence

1. Release Mechanism ③ - OPEN
2. VPC-V Controller ② - OPEN
3. D Valve ⑤ - OPEN

Closing Sequence

1. Release Mechanism ③ - CLOSED
2. Air is sucked into the VPC Controller ② deciding the controller's timing.
3. VPC-V Controller ② - CLOSED
4. D Valve ⑤ - CLOSED

Result: Effluent is sucked by vacuum from the source. Water flows to the source.





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