



Jets® CFD Valve is an electronically controlled flush and discharge valve.

Features:

- Low water consumption.
- Design optimized for easy maintenance.
- Designed for connection to mains water supply.

Technical Data



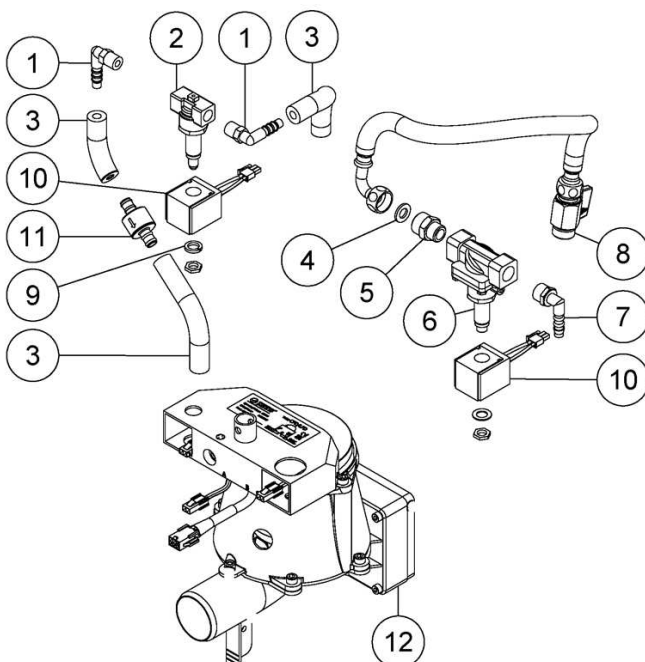
Outside Dimensions.....	241 x 227 x 298 mm (LxWxH)
Generic Material.....	PP
Discharge Valve Inlet.....	Inside diameter Ø 60 mm
Discharge Valve Outlet.....	Outside diameter Ø 50 mm
Water Connection.....	1/2" male BSP
Net Weight.....	2.50 kg

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.....	0.7L (2 bar)
Voltage DC.....	12V
Power Consumption.....	24 W

Disclaimer

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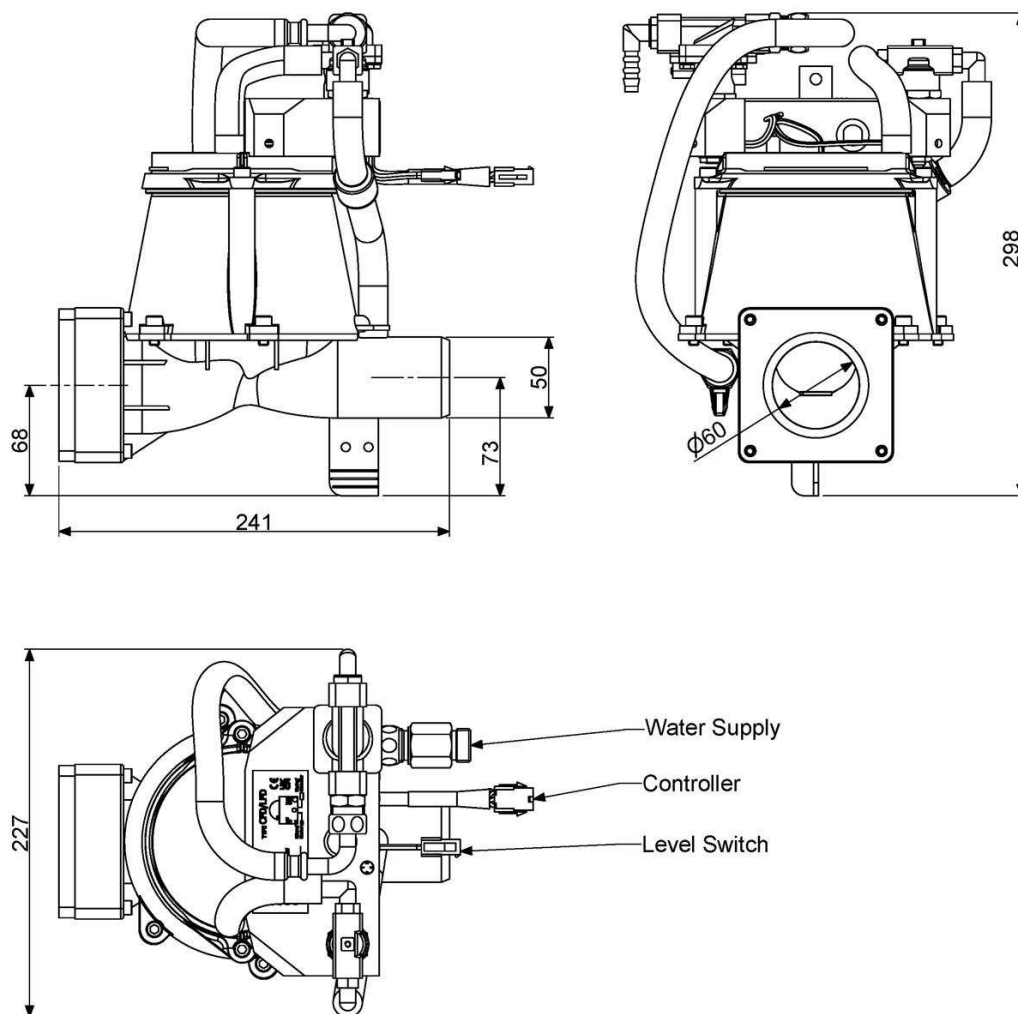


Components

1 Nipple	034501500*
2 Solenoid Valve	122502100*
3 Hose	034509000*
@ (1 of 034509000 = 1m in length)	
4 Sealing Ring	037504201*
5 Nipple	034505100*
6 Solenoid Valve	122513900*
7 Nipple	034501510*
8 Hose w/ball valve 550mm	034509620*
9 Washer, M10	036508700*
10 Coil 12VDC	122514200*
11 Non-return Valve	034501705*
12 CFD/LFD Valve	055100151

* Component/s available as replacement parts.

Dimension Drawings



Function and Principle

Explanation of CFD Valve Function

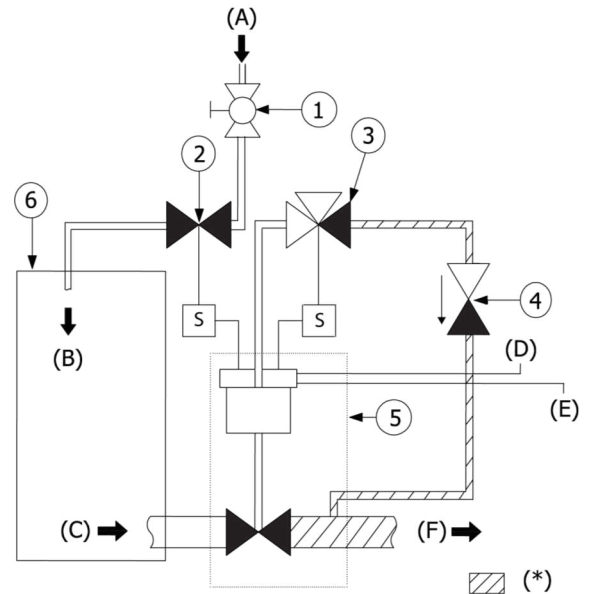
- ① Ball Valve Water Inlet
- ② Solenoid Valve, Water
- ③ Solenoid Valve, Air
- ④ Non-return Valve
- ⑤ CFD/LFD Valve
- ⑥ Source (toilet, urinal, etc.)

- (A) Water Supply
- (B) Water Inlet to the Source
- (C) Outlet from the Source
- (D) Controller
- (E) Release Mechanism
- (F) CFD/LFD Valve Outlet

(*) Vacuum in the piping as indicated.

Normal Position: Closed Valve

- Solenoid Valve ② - CLOSED
- Solenoid Valve ③ - CLOSED (open to atmosphere)
- CFD/LFD Valve ⑤ - CLOSED

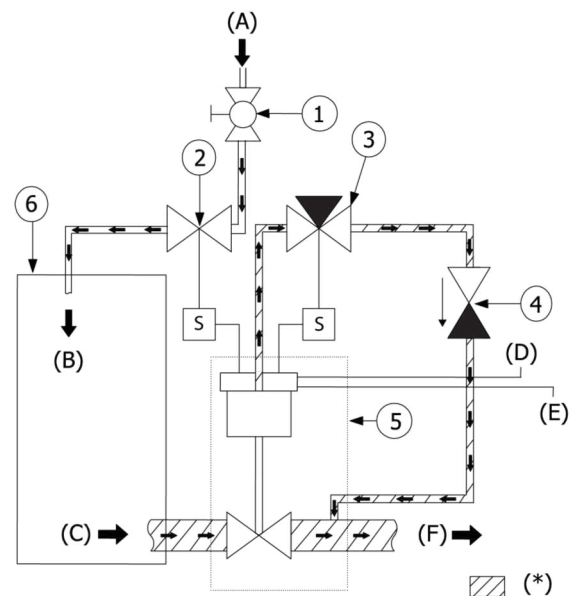


Emptying Sequence

1. Release Mechanism (F) - ACTIVATED
2. Solenoid Valve ② - OPEN
3. Solenoid Valve ③ - OPEN (closed to atmosphere)
4. CFD/LFD Valve ⑤ - OPEN

Closing Sequence

1. Release Mechanism (F) - DEACTIVATED
2. Solenoid Valve ③ - CLOSED (open to atmosphere)
3. CFD/LFD Valve ⑤ - CLOSED
4. Solenoid Valve ② - CLOSED



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