

Venturi assisted drain valve

Features

- **Compatible with dirty water**
- **High flow rate at low head of water**
- **Fast operation**
- **Cost effective**

Description

The venturi assisted drain valve uses mains water pressure to create a vacuum that is used to actuate a pilot operated diaphragm valve. Unlike conventional servo-assisted or assisted lift solenoid valves this method is ideally suited to applications when high flow rates of dirty water are required at low pressure.

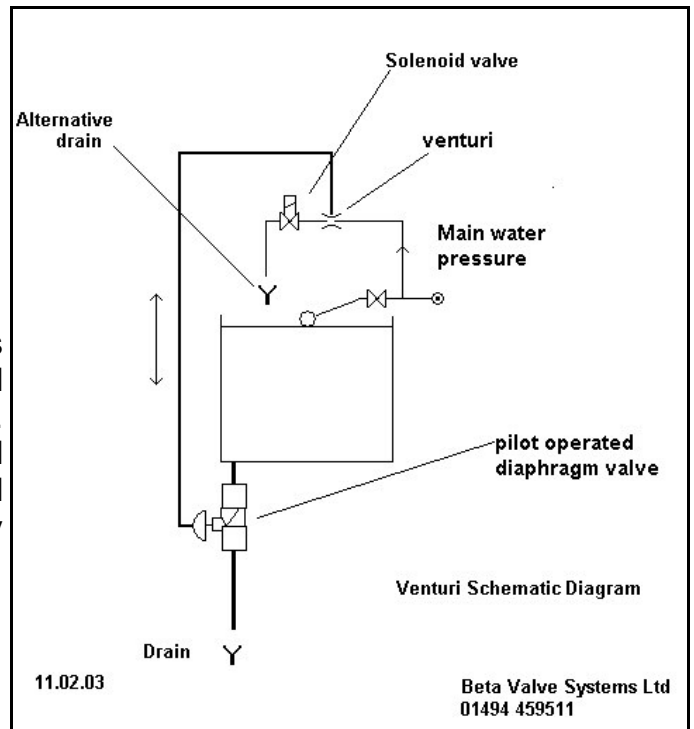
Because the solenoid valve and venturi are used on clean cold water and not exposed to any contaminants or particles in the drain water, which should ensure long term reliability of the system.

Operation

The venturi is controlled by a small solenoid valve, when the solenoid valve is closed water pressure from the mains passes through the venturi assembly and the force exerted by this pressure on the diaphragm of the actuated valve ensures that this valve is held closed.

When draining is required the solenoid valve opens allowing water to flow through the venturi assembly thus creating a vacuum that is used to lift the diaphragm of the actuated valve.

When the draining operation is complete the solenoid valve is de-energised, flow through the venturi stops and mains water pressure is transmitted once more to the top of the actuated valve's diaphragm.



Useful Product Codes

Description

**VENTURI 3
8212NA IDRO**

**1.5 x 2.5 Venturi—6 mm push in tee connections
1 ¼" BSP Hydraulic valve**

Specification subject to change without notice, E&OE.

Beta Valve

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