

# New!

## D-023 NS

### Combination Air Valve for Sewage Systems



A.R.I.'s D-023 Model combination air valve for made of 316 Stainless Steel, designed to provide resistance to highly abrasive conditions and endurance in environments with corrosive and abrasive liquids such as sand, sludge, industrial and sanitary wastewater, brine and seawater.

When assembled on a controlled air release valve mechanism (NS), it becomes a hammer-reducing valve and prevents slam (D-023 NS).

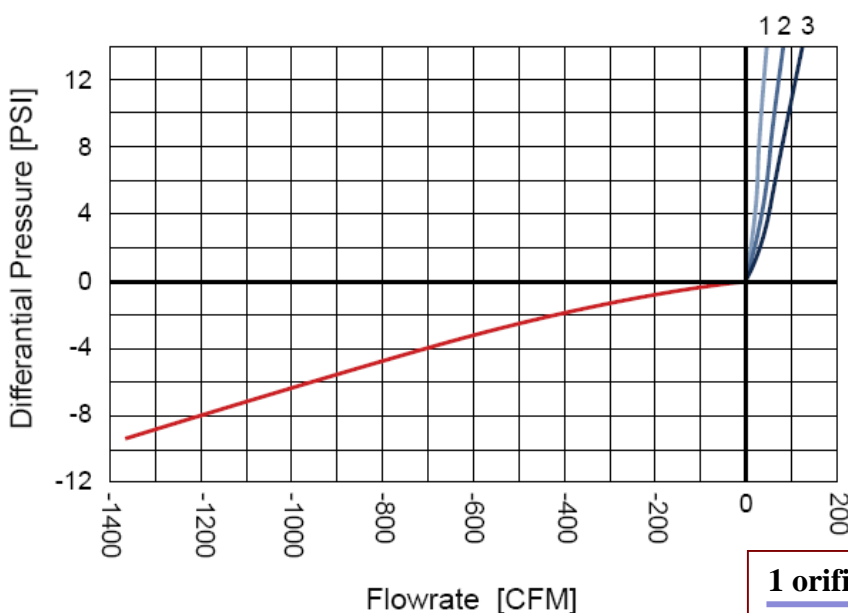
This valve integrates a kinetic air valve, automatic air valve and (normally closed) check valve installed at its air release opening.

The combination D-023 NS valve, which releases air during filling of the system, also enables the introduction of air when the system is emptying of liquids, and releases trapped air when the system is under pressure. The valve protects system components from water hammer in the pipeline under conditions of separation of water head or rapid filling of the line with liquid.

#### Uses

- Collector line systems in which conditions of water hammer and slam are anticipated.
- High points in lines with high gradients.
- Points at which water head separation is created.

#### D-023 3" WITH ADJUSTABLE NS C.V.



#### Design specifications

- The valve is manufactured with 3" and 4" connection.
- Working pressure: 250 psi, minimum sealing pressures of 3 psi .
- Stainless steel body, cover, float and interior components.
- Sealing Mechanism made of corrosion-resistant composite materials
- Adjustable Non-Slam Air Discharge Flow Rate

1 orifice

2 orifices

3 orifices

3 orifices intake



**A.R I. Air Valves and Check Valves**

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