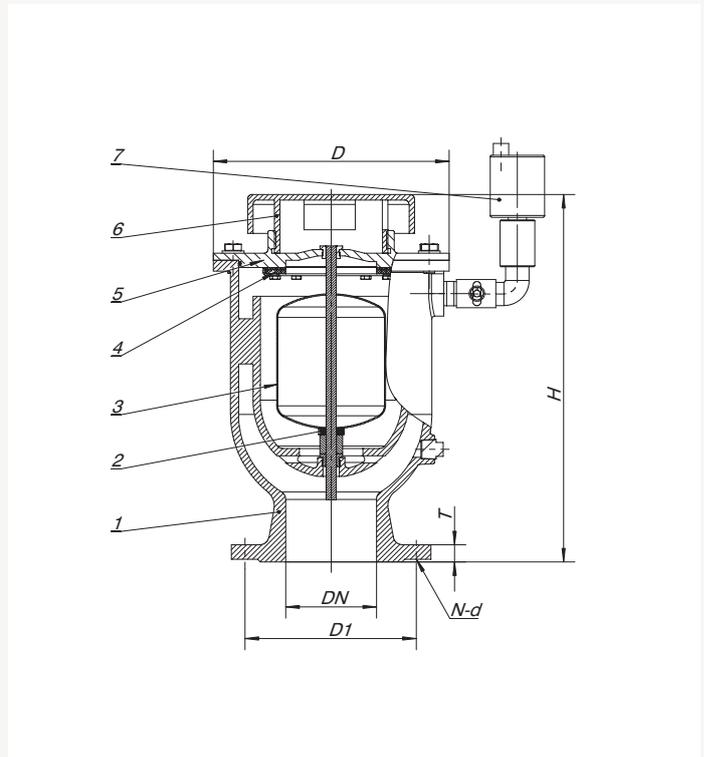


AVRX Combination Dual Orifice Air Release Valve PN16 flanged



Material specification

AVRX Combination Dual Orifice Air Release Valve 2" to 8"

No	Component	Material
1	Body	Spheroidal graphite cast iron QT450-10
2	Gasket	Rubber EPDM
3	Ball	304 stainless steel / 316 stainless steel
4	Sealing ring	Rubber EPDM
5	Bonnet	Spheroidal graphite cast iron QT450-10
6	Cover	Spheroidal graphite cast iron QT450-10
7	Combination air valve	Ball valve + air valve

Technical data:

- Size: DN 50 - DN 200 (2" - 8").
- Nominal pressure: PN16.
- Temperature range: 0 °C to 80 °C.
- Flange standard: EN1092-2.
- Design standard: AWWA C512.
- Suitable for water.

Features and benefits:

- Combination air valves perform the functions of an air/vacuum valve (exhaust large quantities of air on start-up, admits air on shut-down) and air release valves (release air continuously during operation) to maintain system efficiency and prevent pipeline surges.
- Able to release air at high flow rates.
- No shut off due to negative pressure caused by high-speed airflow.
- No airtight phenomenon: minimum air pressure doesn't limit valves.
- High velocity air release close to sonic speed.
- The automatic air release function releases accumulated air from the system while it is under pressure.
- High sensitivity: when negative pressure occurs inside pipelines, valves rapidly open to inhale large volumes of air and protect the pipelines from damage.
- Floating ball and main disc are in stainless steel. This provides long service life, safety and reliability.
- Electrostatically coated with corrosion resistant epoxy powder internally and externally.

AVRX Combination Air Release Valve (mm)

Order code option 1	Order code option 2	Size	DN	H mm	D1 mm	T mm	N-d mm	D mm	Weight (kg)
A0050CFDMNMSSO	A0050CFDMNMSSU	2"	50	340	125	19	4-19	195	16.3
A0080CFDMNMSSO	A0080CFDMNMSSU	3"	80	340	160	19	8-19	195	19
A0100CFDMNMSSO	A0100CFDMNMSSU	4"	100	410	180	19	8-19	250	34.5
A0150CFDMNMSSO	A0150CFDMNMSSU	6"	150	485	240	19	8-23	330	48
A0200CFDMNMSSO	A0200CFDMNMSSU	8"	200	665	295	20	12-23	450	116.2

Option 1: AVRX - Ball 304 SS Option 2: AVRX - Ball 316 SS

Installation:

- The air release valve is suitable for installation at outlet of pump, or in water supply pipeline.
- Valves must be installed at the system high point in the vertical position with the inlet down.
- The pressure in system should not be less than 0.02Mpa. Otherwise the valve can't close.
- A shut off valve should be installed below the air release valve in case servicing is required.