

Air valves for sewage and wastewater



Air valves for sewage and wastewater:

Bermad series of high quality combination air valves for a variety of sewage and wastewater networks and operating conditions. They evacuate air during pipeline filling, allow efficient release of air and gas pockets from pressurized pipes, and enable large volume air intake in the event of network draining.

With its aerodynamic design, double orifice, Bermad air valves protection against air and gas accumulation, surge and water hammers with improved sealing under low pressure conditions.

The Bermad range of air and vacuum release valves for sewage and wastewater comprises 3 different types. Depending on the installation requirements one of the following types should be installed:

- **Combination** air release valves 2", 3" & 4" (**C50/C60/C65**).

Features:

- Perfect sealing, even at a low system pressure.
- Large air-flow capacity.
- Advanced aerodynamic design with a straight-flow body allowing large flow rates

Models:

- Plastic PN16
- Metal PN16

Options:

- Surge protection (C65)
- Inflow prevention (C65)



Subject to modifications.
No liability accepted for errors or misprints



Air valves for sewage and wastewater C50

Technical data

Specifications:

Connection: 2", 3", 4" flange; Option for 2": BSP (male)
 Working pressure: 0,1 - 10 bar
 Max. pressure: 16 bar
 Max. temperature: 60°C

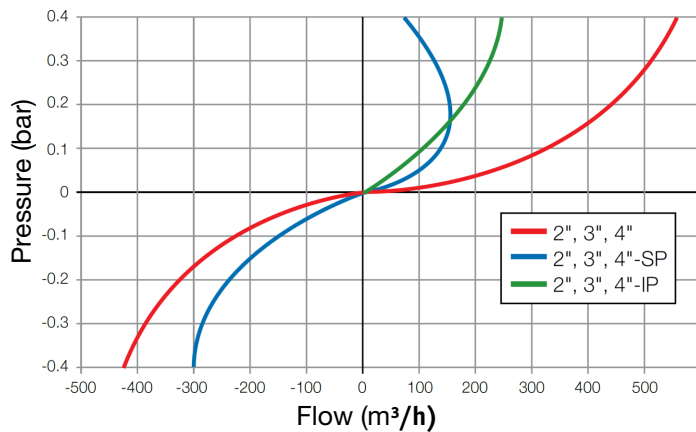
Materials:

Body: glass-fibre-reinforced polyamide
 Float: polypropylene
 Seals: EPDM

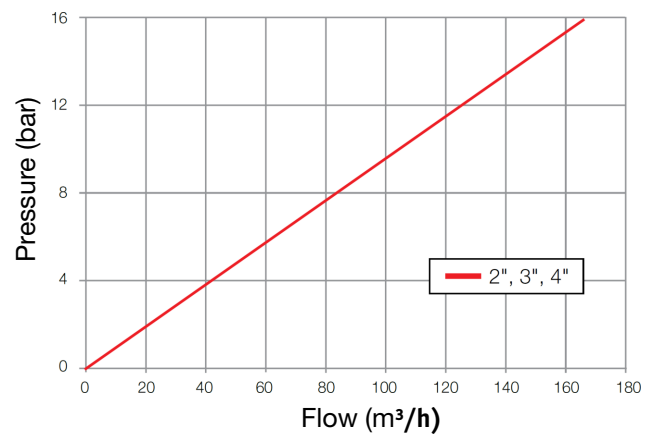


Flow diagram:

Venting kinetic:

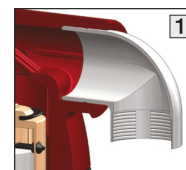
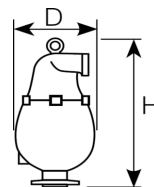


Venting automatic:

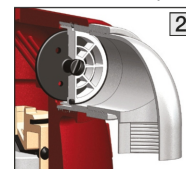


Dimensions and weights:

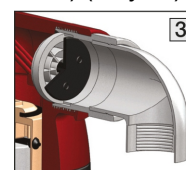
Model		2"	3"	4"
Orifice autom.	mm ²	12,2	12,2	12,2
Orifice kinetic	mm ²	1590	1590	1590
Height H	mm	486	501	501
Diameter D	mm	349	349	349
Weight	kg	13,2	16,2	18,7



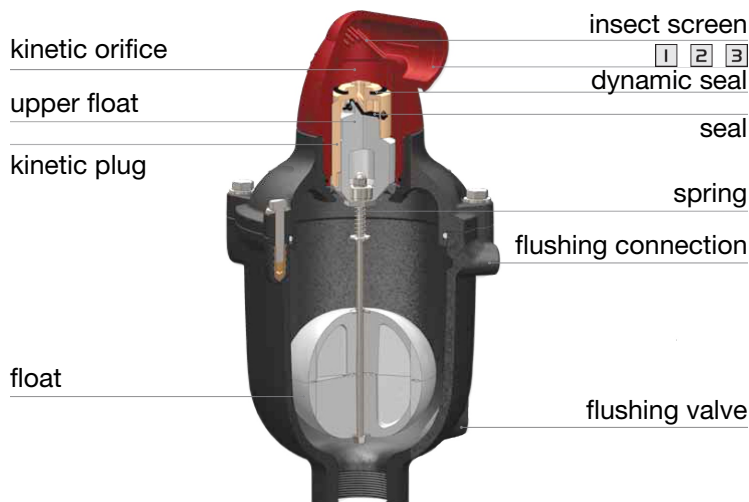
Knee for drainage connection (only 2")



Surge protection (anti-slam) (only 2")



Inflow prevention (only 2")



Air valves for sewage and wastewater C60 / C65

Technical data



Specifications:

Connection: 2", 3", 4" flange; Option for 2": BSP (female)
 Working pressure: 0,1 - 16 bar
 Max. temperature: 60°C

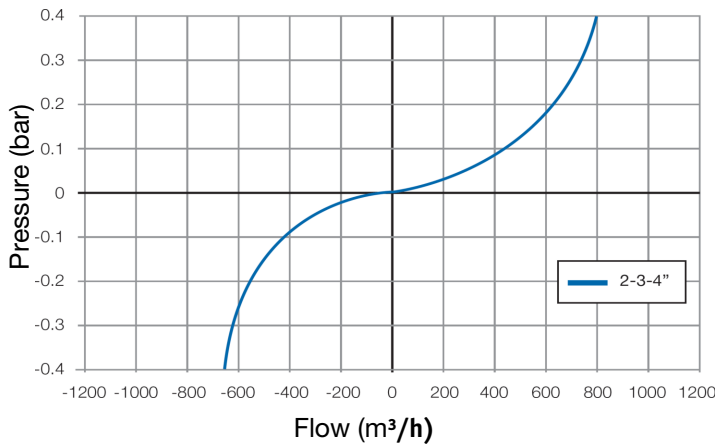
Materials:

Body: cast, ductile Iron with epoxy coating
 Float: polypropylene
 Seals: EPDM

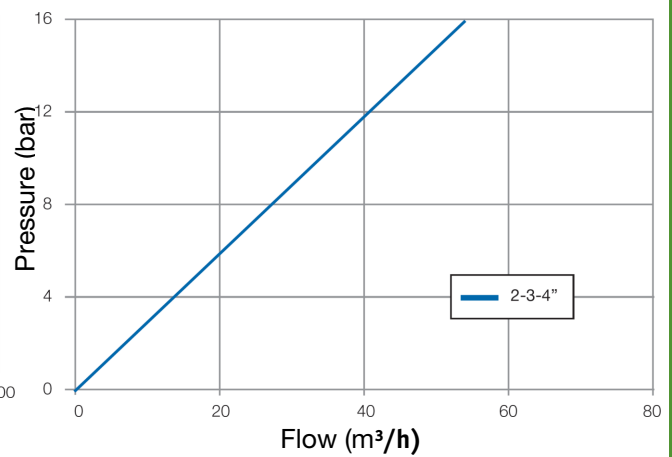


Flow diagram:

Venting kinetic:

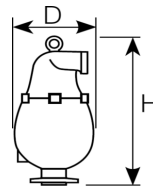


Venting automatic:

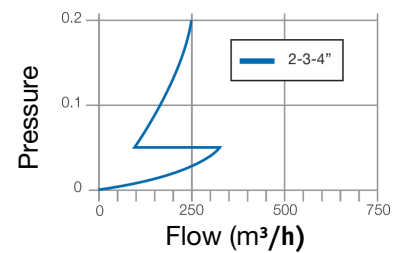


Dimensions and weights:

Model		2"	3"	4"
Orifice autom.	mm ²	9,1	9,1	9,1
Orifice kinetic	mm ²	1963	1963	1963
Height H	mm	630	623	625
Diameter D	mm	300	300	300
Weight	kg	36	37	39



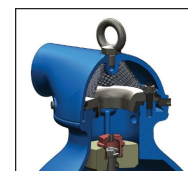
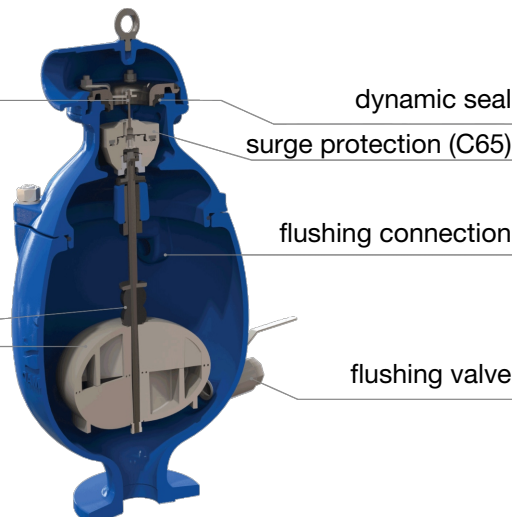
Venting with surge protection: (C65)



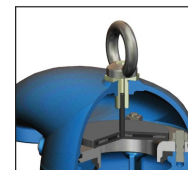
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adjustable surge protection (C65)

shock absorber float



Without surge protection and inflow prevention (C60)



With surge protection and inflow prevention (C65)