



NUVENT AQUA 70-555b1

“Anti-Shock” Air release and Vacuum breaker valve FOR SEWAGE APPLICATIONS

- Automatic surge protection with Integral ‘Anti-Shock’ mechanism to minimise flushing cycles
- Effective air release – ensuring effective de-aeration under all operating conditions
- Vacuum protection – The large orifice diameter ensures least possible resistance to air intake
- Virtually maintenance free – assembled from corrosion free materials



▶ AQUA 70-516 Function and Installation

NUVENT AQUA 70-555b1 prevents damaging pressures at pump start by forcing air through an “Anti-Shock” orifice to restrict air discharge resulting in the deceleration of the approaching water column due to the resistance of rising air pressure in the valve. This dampens transients when the air valve closes. Accumulations of pressurised air are discharged through a small orifice. At pump stop, air is admitted into system to prevent vacuum.

AQUA B70-516 Weights & Dimensions

| Size | Model no. | Pressure Rating | Overall Height | Overall Diameter | Weight |
|------------|---------------|------------------|----------------|------------------|-----------------|
| 50mm / 2" | AQUA 70-555b1 | 16 bar / 232 psi | 631mm / 24.84" | 130mm / 5.12" | 13 kg / 27 lbs |
| 80mm / 3" | AQUA 70-555b1 | 16 bar / 232 psi | 637mm / 25.08" | 200mm / 7.87" | 20 kg / 44 lbs |
| 100mm / 4" | AQUA 70-555b1 | 16 bar / 232 psi | 637mm / 25.08" | 220mm / 8.66" | 22 kg / 49 lbs |
| 150mm / 6" | AQUA 70-555b1 | 16 bar / 232 psi | 892mm / 35.11" | 285mm / 11.22" | 70 kg / 154 lbs |
| 200mm / 8" | AQUA 70-555b1 | 16 bar / 232 psi | 941mm / 37.05" | 340mm / 13.39" | 85 kg / 187 lbs |

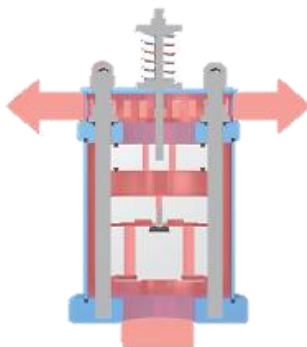
▶ AQUA B70-516 Materials

Body: Stainless Steel, Grade 304,316
Seals: EPDM
Floats: H.D.P.E
Gaskets: RBR

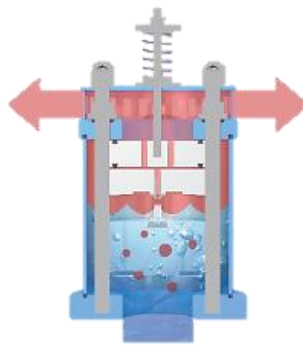
▶ AQUA B70-516 Technical Specifications

Medium: Water / Air
Size range: 50mm to 200mm
Max. working temperature: 5°C to 60°C
Pressure Ratings: PN16

CONTROLLED AIR DISCHARGE



PRESSURISED AIR RELEASE



VACUUM BREAK

