

SURGE VESSEL

Open Surge Vessel

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SPECIFICATIONS

Size	100L–120,000L
Media	Raw water, Irrigation water, Wastewater, Industrial process water

STANDARDS

Design	PED 97/23/EC, EN 13445, ASME VIII-Div.1, PD 5500, CODAP 2000, AD-MERKBLAT- TER
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APPROVALS & CERTIFICATIONS

- ISO 9001
- ISO 14001

COATINGS & LINING

- Epoxy internal lining (carbon steel variants)

APPLICATIONS

- Raw water transmission main surge protection
- Irrigation network pressure management
- Industrial pipeline surge suppression
- Pump station water hammer control
- Wastewater rising main protection
- Remote or unmanned pump stations (passive suction cup variant)



MATERIALS

body **Carbon steel, Stainless steel**

FEATURES

- Air cushion in direct contact with pipeline fluid absorbs positive and negative pressure transients caused by pump trip or rapid valve closure
- Integrated compressor variant maintains air volume on a timed or pressure-actuated cycle, compensating for dissolved air loss over time
- Passive suction cup variant replenishes air without external power, suited to remote or unmanned installations
- Carbon steel or stainless steel pressure shell; design per client specification and site hydraulic analysis
- Capacities from 100 litres to 120,000 litres, sized per transient hydraulic analysis
- Manufactured to PED 97/23/EC and internationally recognised pressure vessel codes including EN 13445 and ASME VIII-Div.1

OPTIONS & NOTES

- Specify required capacity in litres when enquiring (range: 100–120,000 L). Vessel is sized per site hydraulic transient analysis. Specify air maintenance method: integrated compressor or passive suction cup.