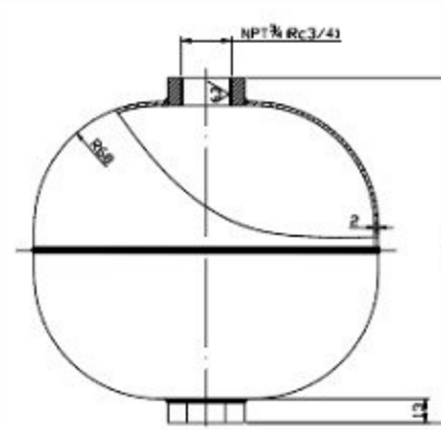


GUBER-RC

Hydraulic retard chamber

Guber-RC is a delay chamber used in the alarm trim of a wet alarm check valve. It reduces the risk of unwanted alarm operation during short pressure fluctuations. The chamber is neither a shut-off device nor an independent alarm.



A brief inflow drains away before the chamber fills. Sustained flow gradually fills the chamber and transmits water or pressure to the alarm devices. Once the alarm flow stops, the chamber empties through its dedicated drainage path.

01 Technical parameters

Parameter	Value / configuration
Nominal range	For 2"-6" / 8"-12" valves
Nominal volume	2.95 l / 6.25 l
Maximum working pressure	300 psi / 20.7 bar
Connections	3/4" NPT or Rc 3/4 — configuration-specific
Medium	Water
Support pipe	3/4"; L 1 m
Body construction	Welded body; smooth weld surfaces

Base code: M-AV-RC. The order must identify 2.95 l or 6.25 l capacity, valve range and NPT or Rc thread. The base code alone does not distinguish the chambers.

02 Drawing and dimensions

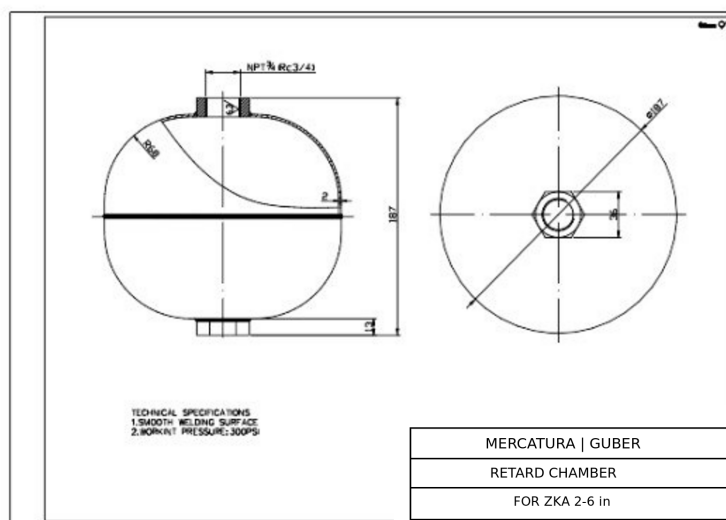


Figure 1. 2.95 l chamber for 2"-6" valves: Ø197 mm; height 187 mm.

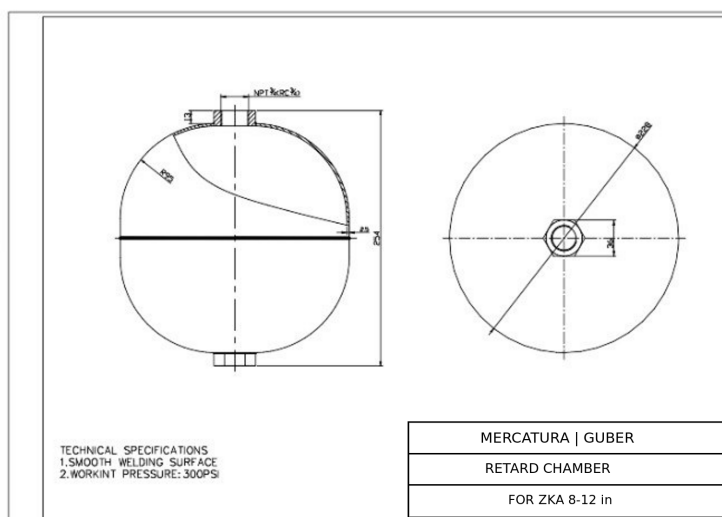


Figure 2. 6.25 l chamber for 8"-12" valves: Ø268 mm; height 254 mm.

Valve	Volume [l]	Ø [mm]	Height [mm]	Thread
2"-6"	2.95	197	187	3/4" NPT / Rc 3/4
8"-12"	6.25	268	254	3/4" NPT / Rc 3/4

The drawings and table describe two different configurations. NPT or Rc threads must match the supplied trim; they are not interchangeable.

03 Installation and checks

Inspect the body, threads and welds. Clean the alarm and drain lines. Install the chamber in the alarm circuit to the Guber-AV/G trim drawing without pipe strain. In addition to support from the trim, clamp it to a 3/4" support pipe no longer than 1 m. Do not alter calibrated restrictions. Route each drain independently without backpressure.

Additional support is mandatory: clamp + 3/4" pipe, maximum length 1 m. Filling the chamber with water increases the load on its connections.

04 Operation and maintenance

After installation, carry out leak and alarm-function tests. Verify operation of Guber-WG and Guber-PS with sufficient flow. Restore normal valve positions and confirm complete chamber drainage. Inspect corrosion, welds, leakage, clamp and drain clearance at the site inspection intervals. Replace a damaged body; do not weld or drill it. Isolate, depressurize and drain before removal.

05 Ordering information

Base code: M-AV-RC. The order must identify 2.95 l or 6.25 l capacity, valve range and NPT or Rc thread. The base code alone does not distinguish the chambers.

06 Application limits

Protect the water-filled arrangement against freezing. The related FM document confirms compatibility within the valve assembly, not a separate chamber certificate.

Store in a dry enclosed area, in protective packaging with the connections protected.