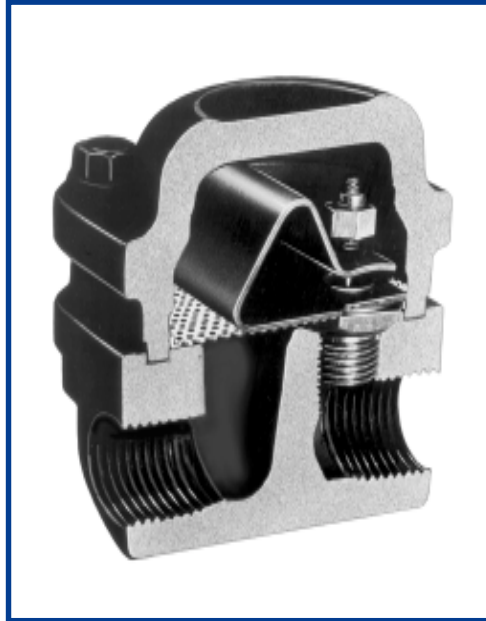


Models DM6-DM12

Steam Traps for Steam Main Dripleg & Critical Tracing



A small, yet rugged steam trap that provides modulating discharge of light condensate loads on dripleg, tracing, and small process applications. Energy-efficient operation with excellent start-up capacity.

- **No loss of live steam** — for greater energy efficiency, extended seat life.
- **Single blade element** — a superior element design combining thermostatic and thermodynamic forces for long-term, trouble-free service. The single blade is not prone to dirt build-up as found with many other bimetal designs.
- **Stainless Steel internals** — highly resistant to fatigue and corrosion and completely renewable.
- **Built-in check valve** — prevents backflow during shutdown.
- **Modulating discharge** — automatically adjusts to operating pressure and load, overcoming problems associated with cyclic discharge.
- **Continuous air and CO₂ venting** — maximizes heat transfer while minimizing corrosion.

Bestobell Models DM6-DM12 Steam Traps

Specifications

Line Sizes: 3/8", 1/2", 3/4" (10, 15, 20 mm)

Maximum Differential Pressure:

- DM6: 70 psi (4,8 bar)
- DM12: 150 psi (10 bar)

Maximum Body Pressure: 750 psig (52 bar)

Maximum Body Temperature: 650°F (344°C)

End Connections: threaded (NPT), BSPT, BSPP, or socket weld

Materials:

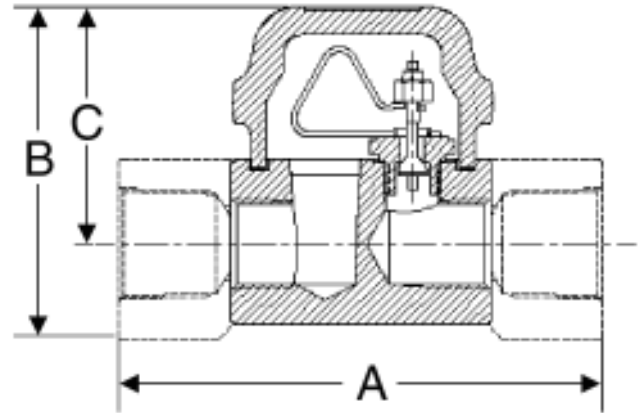
- Body & Cover: forged Carbon Steel
- Valve Seat, Cone, Stem: Stainless Steel
- Bimetal: Stainless Steel
- Integral Strainer: Stainless Steel
- Nuts & Bolts: Steel
- Gasket: flexible Graphite

Mounting: from horizontal to vertical (*see Installation & Maintenance Instructions*). Self-draining and freeze-resistant when mounted in vertical position.

Options (M22): double threaded strainer cap (DTC) for blowdown valve attachment; selection of optional blow-down valves.

Dimensions

- DM6 & DM12



| Size | | A | B | C | D | WT. |
|------------|--------|--------|-------|-------|--------|--------|
| 3/8", 1/2" | Inches | 2-7/16 | 3 | 2-1/4 | 2-7/16 | 2.2# |
| 10/15 mm | mm | 62 | 76 | 57 | 62 | 1 kg |
| 3/4" | Inches | 4-9/16 | 3-1/8 | 2-1/4 | 2-7/16 | 3.0# |
| 20 mm | mm | 116 | 79 | 57 | 62 | 1,4 kg |

Note: dimension D is overall width; shape of 3/8" & 1/2" units is indicated by shading.

Capacity Charts: Condensate Capacity at Differential Pressure

| Note: Actual flow rate from tracer line determines the amount of subcooling of condensate | | | | | | | |
|---|----------------------------------|-----------|------------|------------|------------|------------|------------|
| Size | Differential Pressure, psi (bar) | 50 (3,45) | 100 (6,89) | 150 (10,3) | 200 (13,8) | 250 (17,2) | 300 (20,7) |
| 3/8", 1/2", 3/4" | Hot @ 50°F subcool, lbs/hr | 50 | 50 | 50 | 50 | 50 | 50 |
| | Hot @ 90°F subcool, lbs/hr | 250 | 250 | 250 | 250 | 250 | 250 |
| | Hot @ 10°C subcool, Kg/hr | 22,7 | 22,7 | 22,7 | 22,7 | 22,7 | 22,7 |
| | Hot @ 32°C subcool, Kg/hr | 113 | 113 | 113 | 113 | 113 | 113 |

Note: flow rates based on discharge to atmospheric pressure, valid for back pressures up to 20% of inlet pressure. Higher back pressures require reset of control element to obtain these capacities. Consult factory for details.