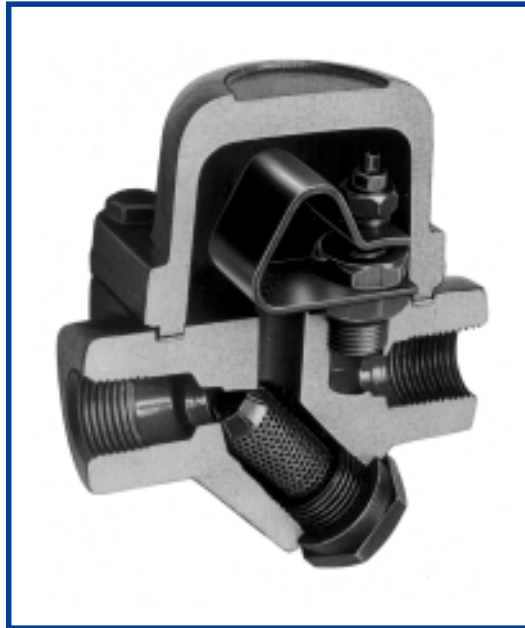


Models M25-GM25 Steam Traps

For process and space heating services



A series of compact, high capacity steam traps developed to handle the varying loads and pressures typical of process and heating applications with differential pressures to 320 psi. Featuring a built-in strainer and check valve, the M25/GM25 is produced in sizes up to 2".

- **Single blade element** — offers long-term, trouble-free service because it's not prone to dirt build-up as encountered with many other bimetal designs.
- **No loss of live steam** — for greater energy efficiency and extended seat life.
- **Integral strainer and check valve** — strainer protects trap from dirt while 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 M25-GM25 Steam Traps

Specifications

Maximum Differential Pressure: 320 psig (22,1 bar)

Maximum Body Pressure: 750 psig (52 bar)

Maximum Body Temperature: 650°F (343°C)

Line Sizes:

- Model M25: 1/2", 3/4", 1", 1-1/2", 2"
- Model GM25: 1/2", 3/4"

End Connections: threaded NPT, BSPT, BSPP, SW, raised face flanges (ANSI 150, 300, 600, DIN)

Materials:

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

Options: double threaded strainer cap (DTC) for blowdown valve attachment; selection of blowdown valves

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

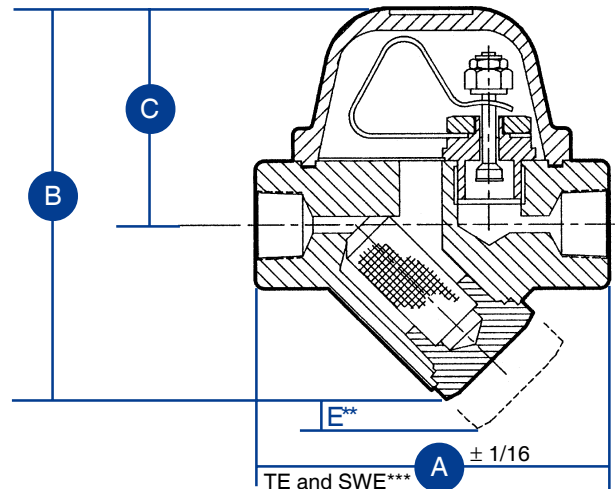
Capacity Charts: Condensate Capacity at Differential Pressure

Model M25		Consider Model M16 in this range.			
Size	Differential Pressure, psi (bar)	150 (10,34)	200 (13,79)	250 (17,24)	320 (22,07)
1/2", 3/4"	Cold start-up, lbs/hr	4000	5000	6000	6200
	Hot (Dripleg), lbs/hr	160	180	190	200
	Cold start-up, Kg/hr	1814	2268	2721	2812
	Hot (Dripleg), Kg/hr	72	81	86	90
1"	Cold start-up, lbs/hr	9000	12000	14000	14200
	Hot (Process), lbs/hr	800	1100	1500	1800
	Cold start-up, Kg/hr	4082	5443	6350	6441
	Hot (Process), Kg/hr	362	498	680	816
1-1/2" & 2"	Cold start-up, lbs/hr	20000	22000	24000	28000
	Hot (Process), lbs/hr	1200	2500	4000	5300
	Cold start-up, Kg/hr	9072	9979	10886	12700
	Hot (Process), Kg/hr	544	1134	1814	2404

Model GM25		Consider GM16 in this pressure range.			
Size	Differential Pressure, psi (bar)	150 (10,34)	200 (13,79)	250 (17,24)	320 (22,07)
1/2", 3/4"	Cold start-up, lbs/hr	9000	12000	14000	14000
	Hot Running Load, lbs/hr	800	1000	1300	1500
	Cold start-up, Kg/hr	4082	5443	6350	6350
	Hot Running Load, Kg/hr	362	453	589	680

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.

Dimensions



Model M25						
1/2 - 3/4"	A	B	C	D	E	WT.
Inches	4	6	3-5/8	4	2-5/8	8.4 lbs
mm	102	152	92	102	67	3.8 kg
1"	A	B	C	D	E	WT.
Inches	5	6-3/4	3-5/8	4	3-1/2	9.9 lbs
mm	127	171	92	102	89	4.5 kg
1-1/2, 2"	A	B	C	D	E	WT.
Inches	7-1/8	9-1/2	5-7/8	6	4-3/8	33#
mm	181	241	149	152	111	15 kg
Model GM25						
1/2", 3/4"	A	B	C	D	E	WT.
Inches	4	6	3-5/8	4	2-5/8	8.4 lbs
mm	102	152	92	102	67	3.8 kg

Notes: dimension D is overall width; **dimension E is withdrawal distance for strainer; *** dimensions shown are for threaded or socket weld ends; for flanged ends, contact factory for dimensions.