

Steam Traps

Steam Distribution Manifolds

SDM Series

Manifolds

Forged Carbon Steel with Integral Isolation Valves

Model	SDM Series
Sizes	1/2", 3/4"
Connections	NPT, SW, Tube Fitting
Body Material	Forged Carbon Steel
PMO Max. Operating Pressure	825 PSIG
Pressure/Temperature Rating	825 PSIG @ 800°F

Typical Applications

SDM Series manifolds are used for **STEAM DISTRIBUTION** TO the tracing system. Commonly used in chemical and petrochemical facilities as well as in other industrial plants that have multiple tracing applications. Manifolding the steam distribution system not only reduces installation and maintenance costs, but also streamlines and organizes piping. The SDM Series has integral isolation valves (option available without isolation valves).

Description

The SDM Series manifold is forged carbon steel with 4, 8, or 12 branch steam outlet connections with integral isolation valves. Available with a variety of end connections, including NPT or Socket-weld. The top steam inlet connection is either Butt-weld or Flanged. The bottom condensate outlet connection is available with optional gate valve. The manifold assembly is offered separately or with optional frame stand.

Installation & Maintenance

Securely install the manifold in a vertical orientation with steam inlet connection at the top. A drip station with appropriately sized steam trap mounted at the bottom condensate outlet connection is recommended. If optional frame is selected, make certain it rests on a stable base and secure as needed.

Sample Specification

The steam distribution manifold shall be forged carbon steel with branch options to accommodate up to 12 steam supply connections.

Features

- Compact design saves valuable plant space
- Complete with Material Traceability Reports (CMTRs)
- Available in 4, 8, & 12 branch designs
- Integral piston-style valves allow for tight shut-off and long service life
- All welding in accordance with Section IX of the ASME Boiler and Pressure Vessel Code
- Provides freeze protection
- Reduces installation and maintenance time
- Options include frame stands, drip steam traps, drain valves, insulation jackets, etc.

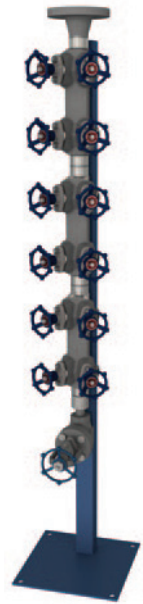
MATERIALS

Manifold Body	Forged Carbon Steel SA-105N
Frame	Carbon Steel
Drain Valve (optional)	Carbon Steel

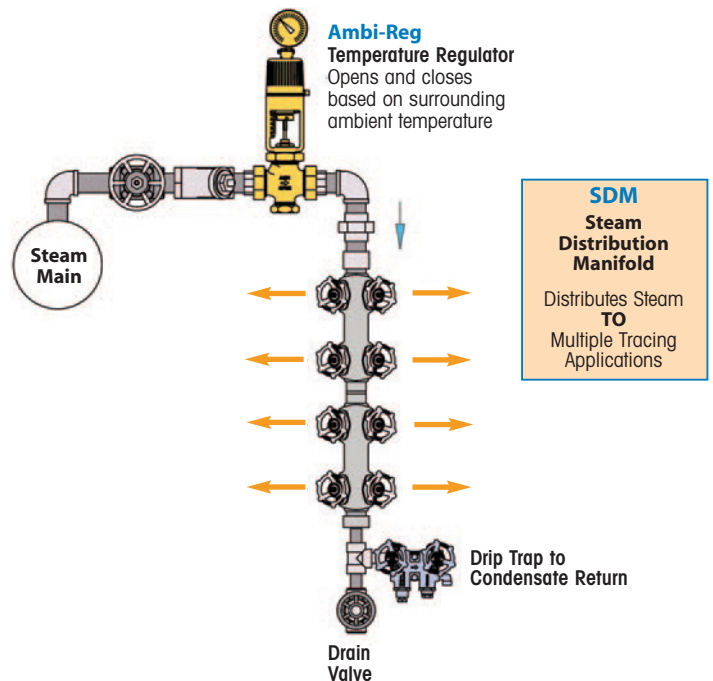
SDM-12
with Integral
Isolation
Valves



SDM-12
with Integral
Isolation Valves,
Optional Frame
Stand and
Drain Valve



Tracing Applications



Steam Traps

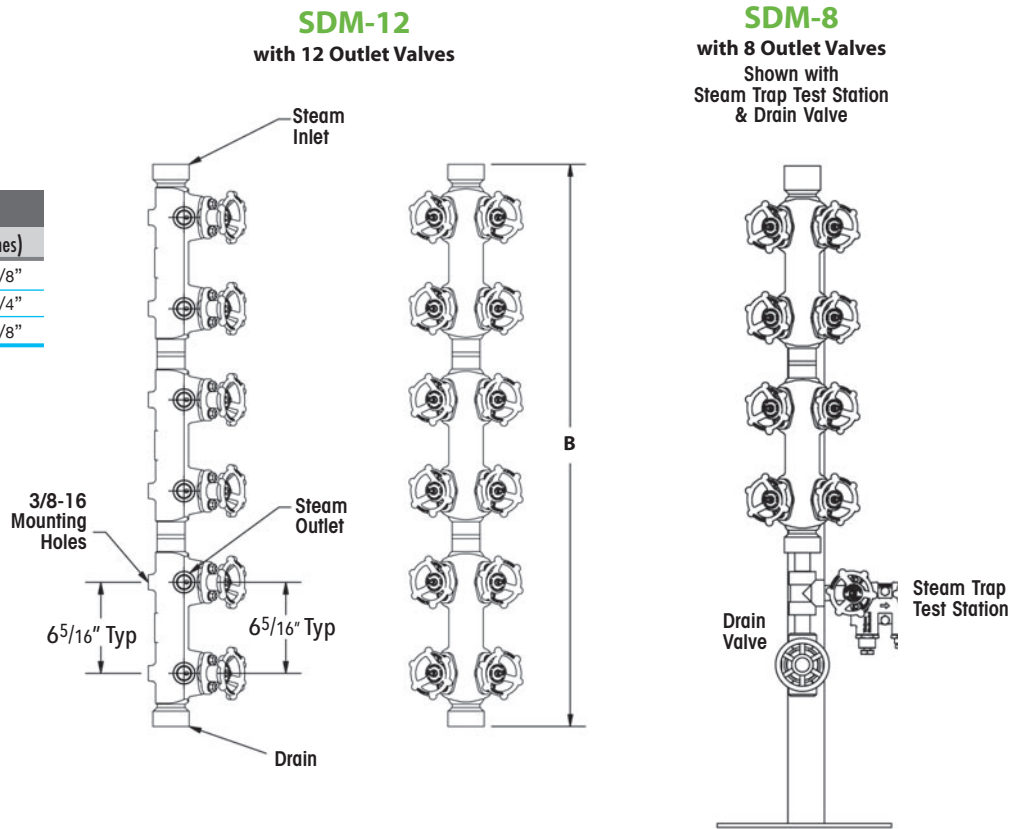
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Forged Carbon Steel **with Integral Isolation Valves**

DIMENSIONS		
Model	# of Outlet Valves	B (inches)
SDM	4	135/8"
SDM	8	261/4"
SDM	12	387/8"



Model Code Configuration Chart

Models	Type	Branch Count	Branch Outlet Connections			Top (Steam Inlet) Connection			Bottom (Condensate Outlet) Connection			Options	
			Size	Type	Type	Size	Type	Size	Type				
SDM	Steam Distribution Manifold	4	12	1/2"	N (F)NPT	13	3/4"	N (F)NPT	13	3/4"	N (F)NPT	3/4" Drain Valve Frame Stand Insulation Jacket Drip Leg Station	
			8	3/4"	SW Socket Weld	14	1"	BW Butt Weld	14	1"	MN (M)NPT		
			12		WN Welded Nipples	16	1 1/2"	F1 150# RF Flange	16	1 1/2"	SW Socket Weld		
			10	1/4"	BP BSPP - British Straight Thread	17	2"	F3 300# RF Flange	17	2"	BW Butt Weld		
				11	3/8"	TW Tube Weld 1/4" or 3/8"			F6 600# RF Flange				F1 150# RF Flange
									D2 DIN Flg. PN 20				F3 300# RF Flange
							D5 DIN Flg. PN 50			F6 600# RF Flange			
							D1 DIN Flg. PN 100			WD Welded Drip Leg			

Note: Additional configurations available: Consult factory.

Steam Distribution Manifold are available without integral isolation valves; See Model CCM or FM on following pages.

Example Model Code: **SDM-813SW16F113SW**, Insulation Jacket

Steam Distribution Manifold with (8) 3/4" SW Branch Connections, 1 1/2" 150# RF Flange Top Connection, 3/4" SW Bottom Connection with Optional Insulation Jacket