

spirax/sarco®

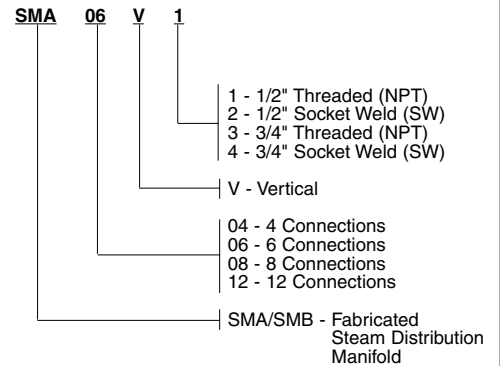


Vertical Steam Distribution Manifold — Fabricated

The SMAV steam distribution manifold is a fabricated assembly designed for vertical installation to provide up to 12 steam distribution points. The compact design provides easy access for isolation valve operation and maintenance, while the mounting and connection arrangement permits fast flexibility of installation. Used in conjunction with the forged or fabricated condensate collection manifolds.

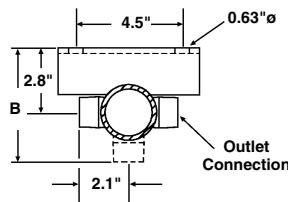
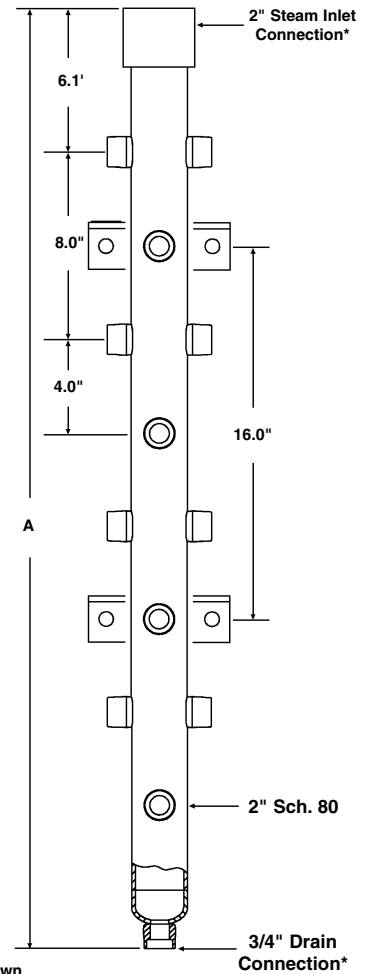
Model ⇄	SMAV
PMA	720 psig at 508°F (50 barg at 264°C)
Hydrotest Pressure	1,080 psig (74 barg)
Number of Connections	4, 6, 8, 12
Connection Sizes	1/2", 3/4"
Connection Types	NPT, SW to ANSI B16.11 Cl. 3000
Construction	Carbon Steel ASTM A106 Gr.B Sch. 80 Forged Steel A105 Cl.3000 All welding in accordance with Section IX of the ASME Boiler and Pressure Vessel Code
Options	Without mounting brackets Preassembled with isolation valves

MANIFOLD NOMENCLATURE



DIMENSIONS (NOMINAL) IN INCHES AND MILLIMETERS

Model Number	Tracer Connections		A	B	Approx. Weight
	Number	Size			
SMA04V1/V2	4	1/2"	23.4 594	No Front Connection	25 lb 11 kg
SMA04V3/V4	4	3/4"	23.4 594	No Front Connection	25 lb 11 kg
SMA06V1/V2	6	1/2"	23.4 594	4.8 122	25 lb 11 kg
SMA06V3/V4	6	3/4"	23.4 594	4.8 122	25 lb 11 kg
SMA08V1/V2	8	1/2"	39.4 1001	No Front Connection	35 lb 16 kg
SMA08V3/V4	8	3/4"	39.4 1001	No Front Connection	35 lb 16 kg
SMA12V1/V2	12	1/2"	39.4 1001	4.8 122	35 lb 16 kg
SMA12V3/V4	12	3/4"	39.4 1001	4.8 122	35 lb 16 kg
SMB12V1/V2	12	1/2"	55.4 1407	No Front Connection	49 lb 23 kg
SMB12V3/V4	12	3/4"	55.4 1407	No Front Connection	49 lb 23 kg

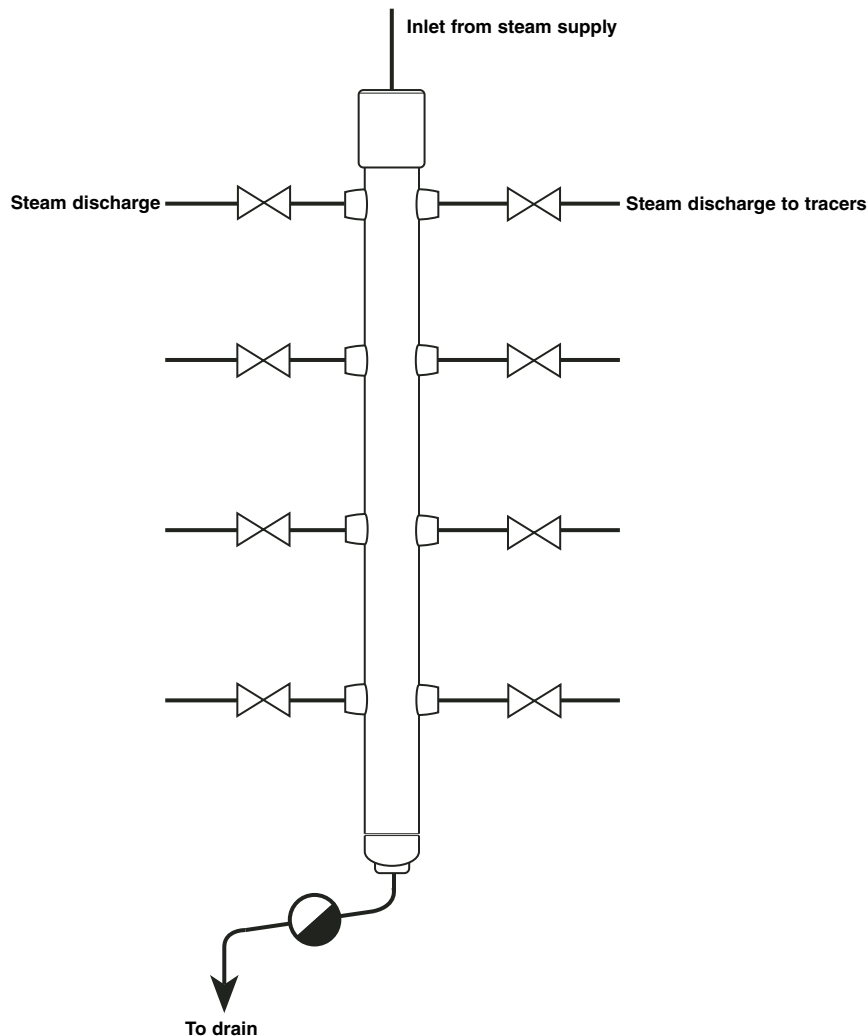


* Same type (NPT or SW) as tracer connections.

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interests of development and improvement of the product, we reserve the right to change the specification.

Vertical Steam Distribution Manifold Fabricated

TYPICAL HOOK-UP OF 8 CONNECTION MANIFOLD



SAMPLE SPECIFICATION

The steam distribution manifold shall be Spirax Sarco model SMA12V designed for vertical orientation to provide up to 12 steam distribution points.

CONSTRUCTION FEATURES

The assembly shall have a 2" inlet connection at the top and a 3/4" drain connection that permits complete drainage during maintenance. Support brackets are to be provided for flexibility of installation. Connections shall be provided on up to 3 sides and spaced to accommodate any valve orientation without interference from adjoining piping. The design is to be compact enough such that all connected equipment are within easy reach for servicing. Construction shall consist of ASTM A106 Gr. B carbon steel 2" Sch. 80 pipe with ANSI Cl. 3000 connections. Welding is to be performed in accordance with Section IX of the ASME Boiler & Pressure Vessel Code. The assembly shall be hydrostatically tested to 1.5 times design pressure and supplied with one coat of industrial heat resistant coating (grey) maximum temperature 850°F

INSTALLATION

The manifold is to be installed vertically with the steam inlet connection at the top as shown. Isolation valves and piping are attached on up to 3 sides at the connections provided. Mounting is accomplished using the brackets supplied on the back side of the unit. An appropriately sized steam trap fitted to the 3/4" drain connection is recommended.

OPTIONS

Each manifold can be supplied with a wide selection of isolation valves and drainage trap as a completely fabricated and tested assembly. Consult factory for specific applications.

TYPICAL APPLICATIONS

The SMAV manifold can be utilized wherever multiple sources of steam need to be centrally distributed in a vertical orientation, such as steam tracing applications.