

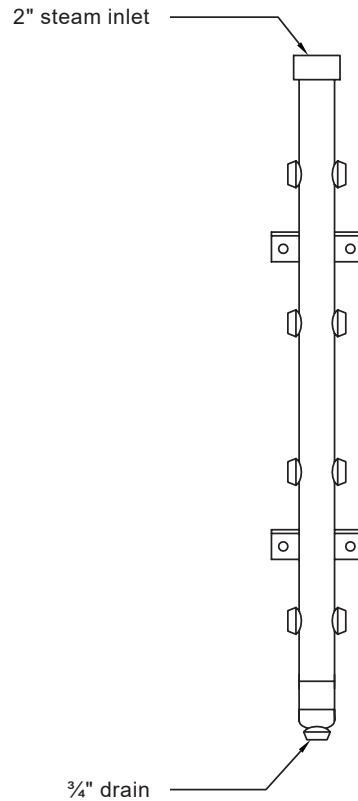


Vertical Steam Distribution Manifold — Fabricated

Description

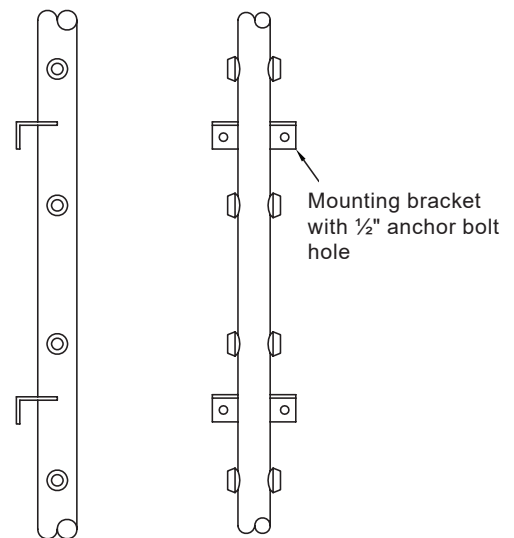
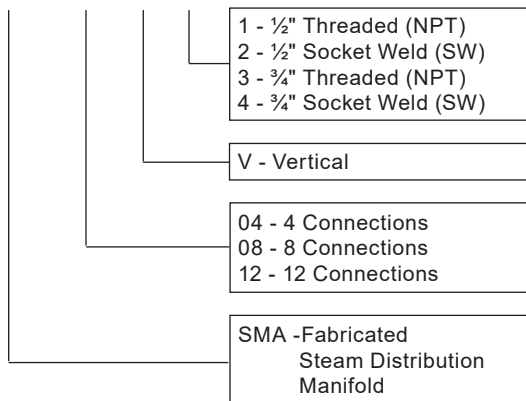
The SMAV steam distribution manifold is a fabricated assembly designed for vertical installation to provide up to 12 steam distribution points. The compact design provides easy access for isolation valve operation and maintenance, while the mounting and connection arrangement permits fast flexibility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

Model	SMAV
PMA	720 psi g at 508 °F (50 bar g at 264 °C)
Hydrotest pressure	1,080 psi g (74 bar g)
Number of connections	4, 8, 12
Connection	½", ¾"
Sizes	
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	Preassembled with isolation valves Consult factory

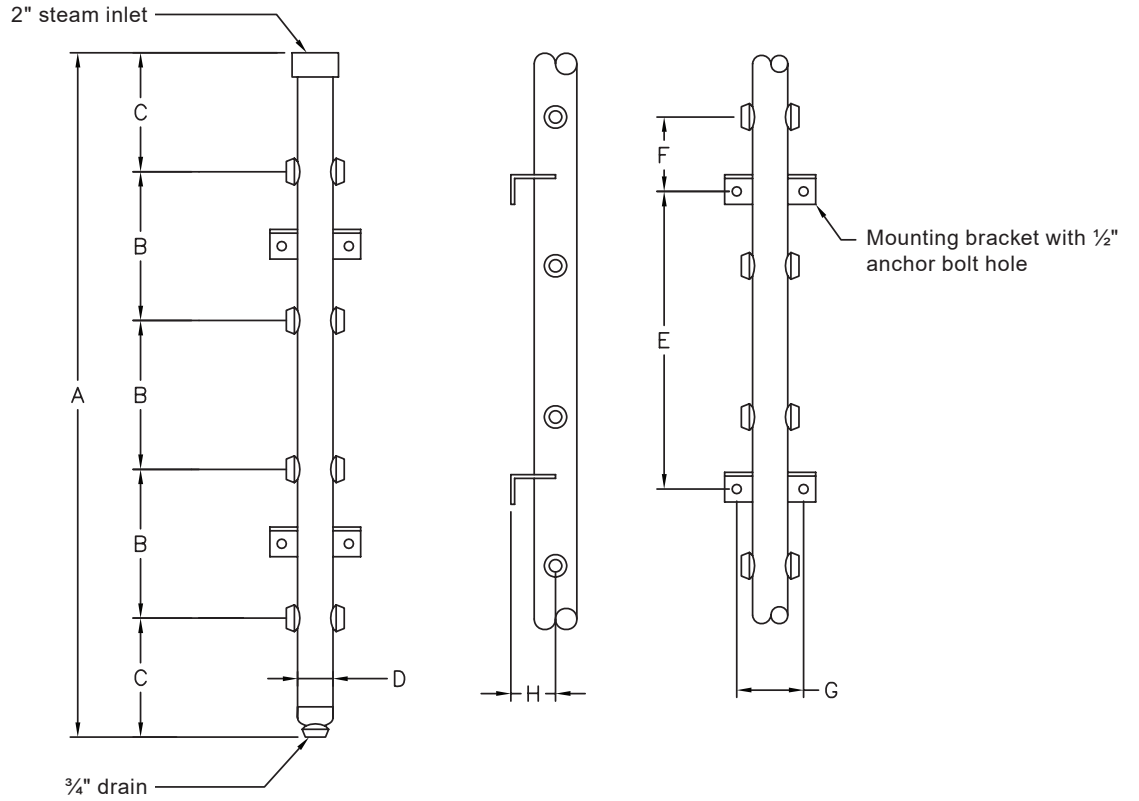


Manifold Nomenclature

SMA 08 V 1



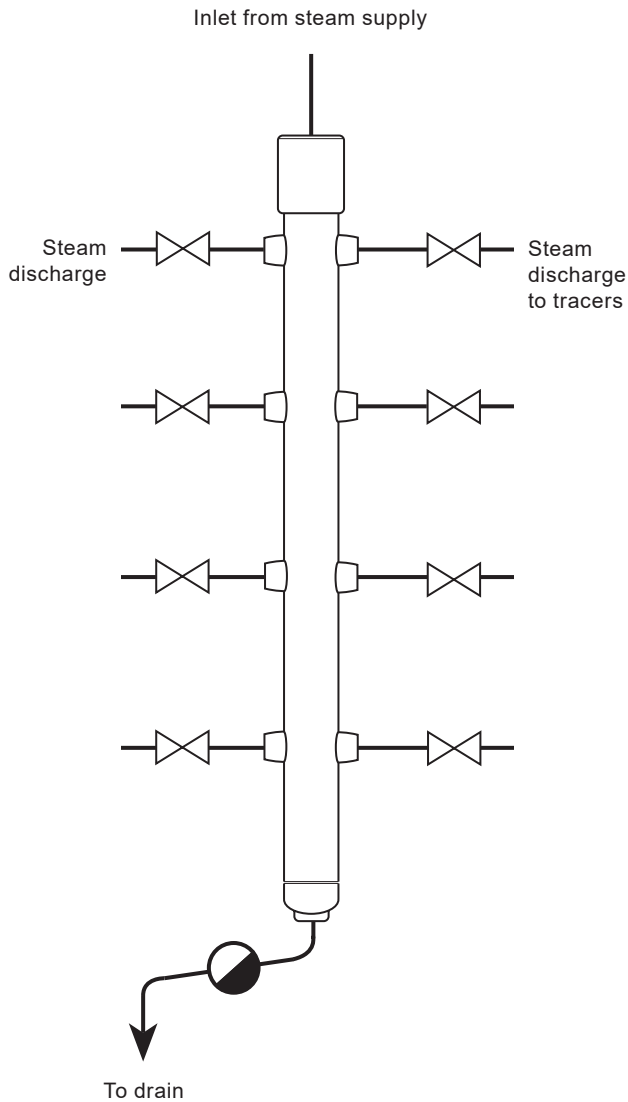
Steam Distribution Manifold dimensions/weights (approximate) in inches (mm) and lbs (kg)



SMA08V shown

Model Number	Tracer		A	B	C	D	E	F	G	H	Weight
	N°	Size									
SMA04V1/V2	4	1/2"	26	10	8.0	2.4	N/A	5.0	4.5	3.0	10 lb
SMA04V3/V4	4	3/4"	(660)	(254)	(203)	(61)		(127)	(114)	(76)	(5 kg)
SMA08V1/V2	8	1/2"	46	10	8.0	2.4	20	5.0	4.5	3.0	22 lb
SMA08V3/V4	8	3/4"	(1168)	(254)	(203)	(61)	(508)	(127)	(114)	(76)	(10 kg)
SMA12V1/V2	12	1/2"	66	10	8.0	2.4	20	5.0	4.5	3.0	30 lb
SMA12V3/V4	12	3/4"	(1676)	(254)	(203)	(61)	(508)	(127)	(114)	(76)	(14 kg)

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 and 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 (gray) 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.