

Distribution & Collection

Forged Steel Manifolds



First for Steam Solutions

EXPERTISE | SOLUTIONS | SUSTAINABILITY

spirax
sarco

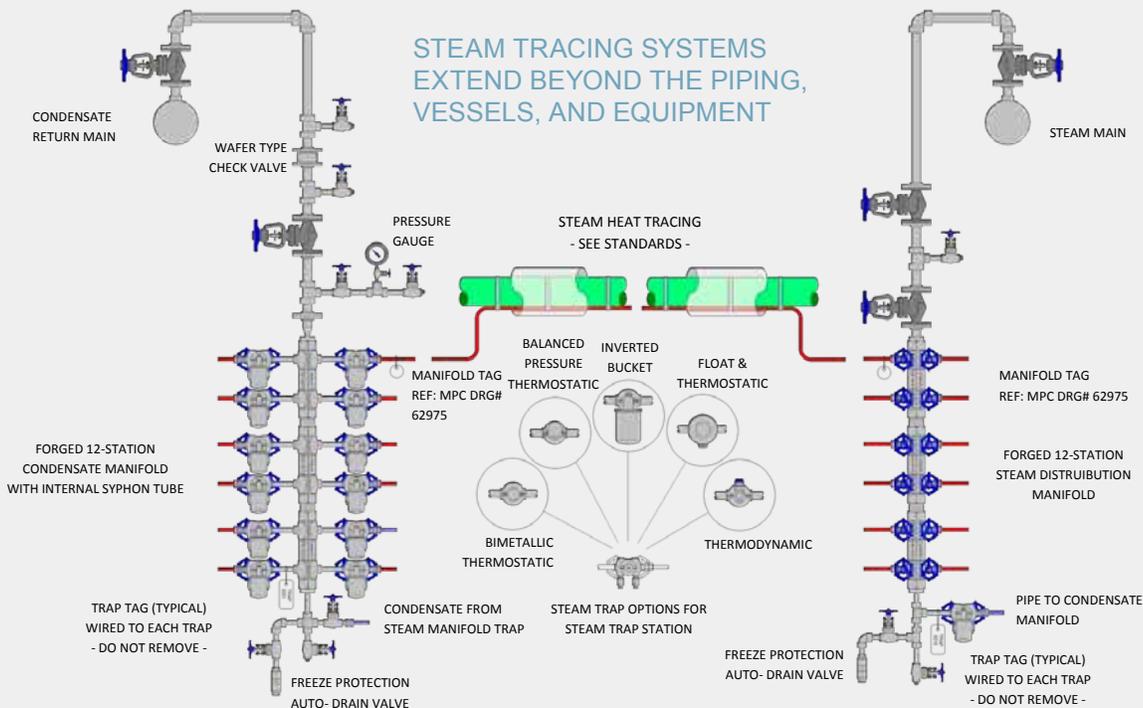
MANIFOLDS

Engineered Steam Tracing Solutions

The general practice of heating piping as material flows through it to keep the materials at a constant temperature and compensate for heat loss is known as heat tracing. In the case of steam tracing the heat is generated from excess steam from other processes.

There are two types of Steam Tracing manifolds; one for the steam supply system and one for the condensate collection system. Spirax Sarco can offer forged and fabricated manifolds for both systems.

The type MSC forged steel manifolds centralize steam distribution and condensate collection for up to 16 sources. Steam Manifolds have a variety of connections, making them particularly well-suited for tracing applications. The compact design provides easy access for trap maintenance and monitoring, while the mounting arrangement permits quick installation.



STEAM DISTRIBUTION MANIFOLDS

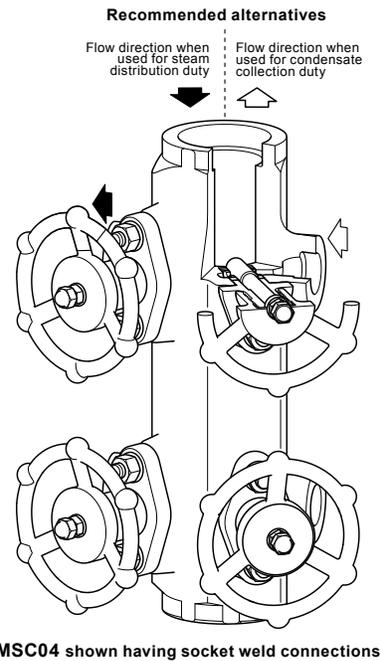
MSC Manifolds for Steam Distribution

These manifolds have been designed for vertical installation. The forged distribution bodies have integral piston valves providing easy isolation of your tracing lines.

MSC steam distribution manifolds come standard with integral piston valves, enabling isolation, depressurization and maintenance to be performed safely and efficiently.

In order to prevent corrosion, steam distribution manifolds are most commonly sold with a bottom drain valve.

Distribution Manifolds are offered in 4, 8, 12, and 16 station configurations.



ASSORTED TRAPS

Available



CONDENSATE COLLECTION MANIFOLDS

MSC Manifolds for Condensate Collection

The recommended installation is with the condensate outlet at the top. The bottom of the manifold should be fitted with a stop valve for blowdown purposes. It is recommended that a diffuser is fitted. The DF Series Diffuser reduces noise and erosion by cushioning high velocity discharge.

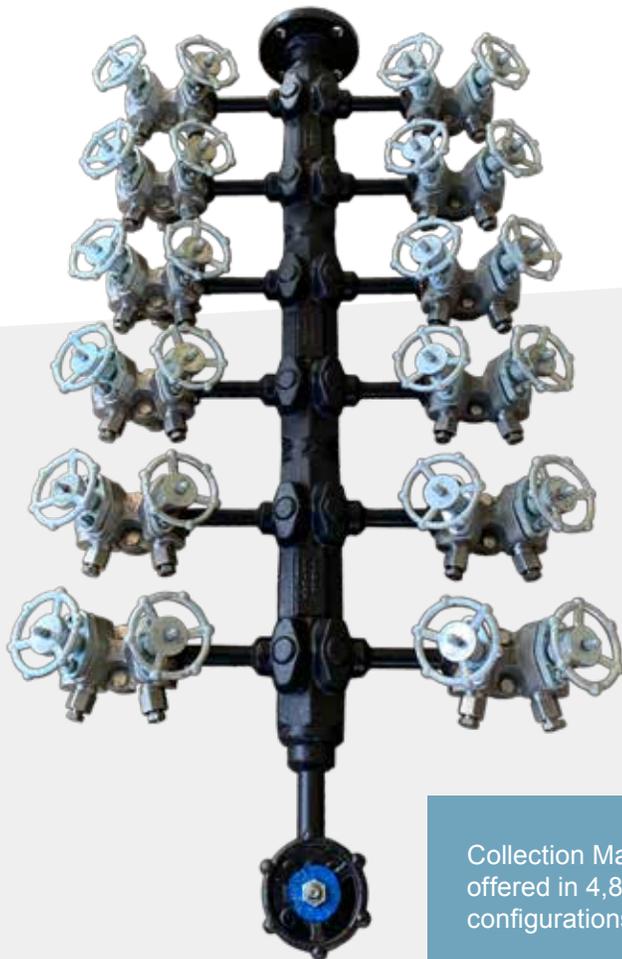
All units undergo hydrostatic testing, to 1.5 times design pressure, and are painted with industrial heat resistant coating (black) with a maximum temperature of 850°F. Other coatings are available upon request.

Standard condensate collection manifolds include an internal siphon pipe to promote even temperature distribution and ensure single-phase discharge of condensate. This will also help prevent corrosion, freezing and damage to the manifold.



TYPES OF STEAM APPLICATIONS

- Conventional Tracing
- Single & Double Insulated Tube
- Bare Tube with HTC
- Snap Trace
- Control Trace
- Hot Oil



Collection Manifolds are offered in 4,8,12 & 16 station configurations.

Spirax has ready-to-ship standard manifolds and can fabricate custom manifolds specific to your needs

Optional Accessories:

Manifold Stands

Manifold mounting stands are offered to provide ease of installation and support up to 12 station distribution and collection manifolds.

For convenience the following stands are available:

- Single or Double Manifold Stand
- Black Painted (STD) or Galvanized Stand

Mounting Kits

The manifold is generally conveniently attached to the structural steelwork supporting the plant or one of the optional manifold stands.

For convenience the following sets of mounting kit are available:

- A single set comprising 2 of each stud, nut and spacer suitable for installing one MSC04 or MSC08.
- A single set comprising 4 of each stud, nut and spacer suitable for installing one MSC12.

Insulation Blankets

After installation it is recommended that the manifold is insulated to minimize radiated heat losses and to protect personnel from burn risks. Spirax Sarco offers a range of purpose designed insulation blankets for both low and high temperature applications.

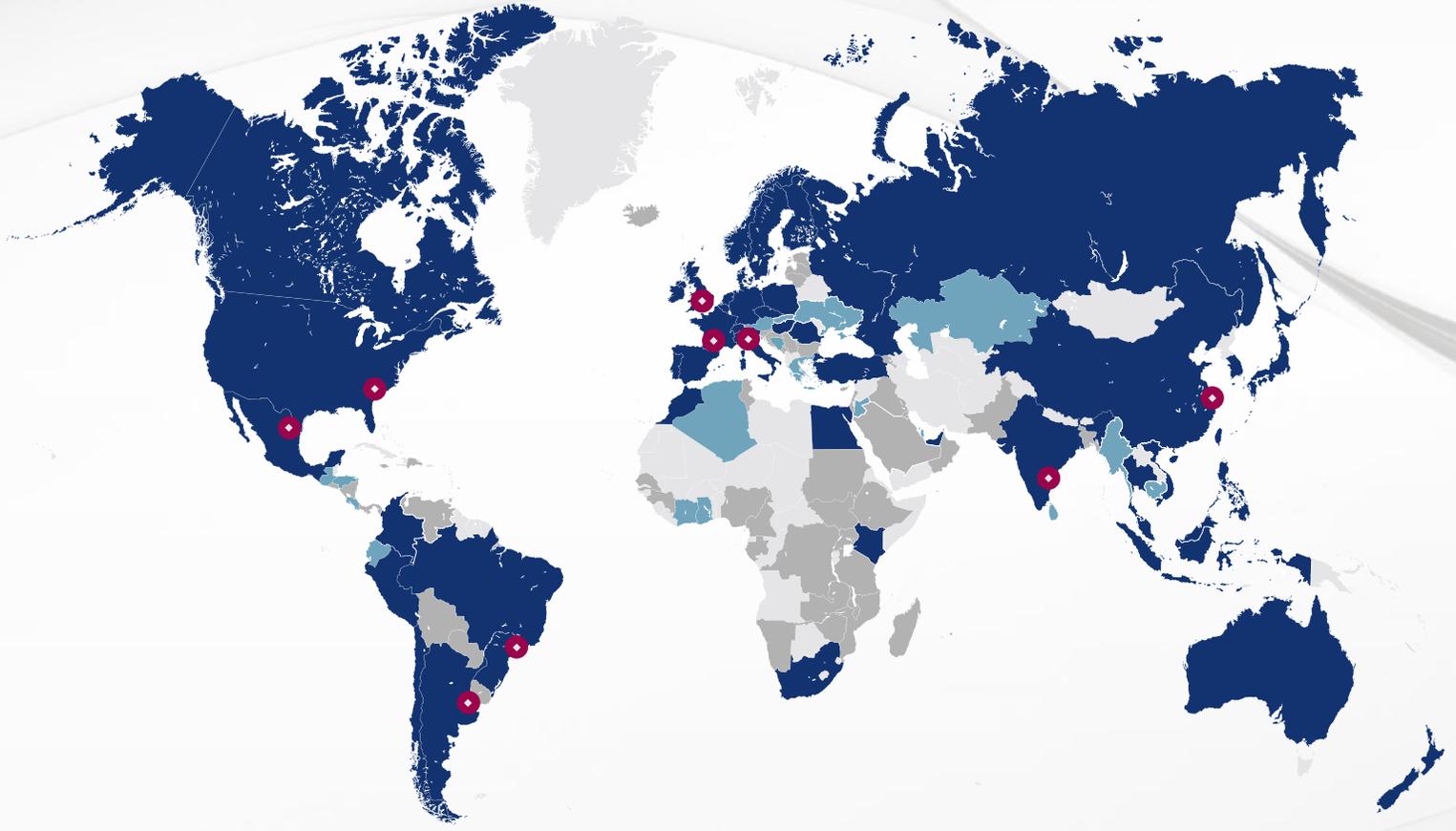
- Quick to install
- Removable for maintenance
- Reusable after maintenance
- Weatherproof
- Strong, durable cover
- Available for all sizes of manifolds rated to 428°F (220°C) or 797°F (425°C)

How to Order Manifolds:

MSC08C3 - 2 RF ANSI150 - SINGLE MOUNTING STAND, INSULATION BLANKET

Body Style	Number of Stations	Type	Customer Connection	Top Connection Size & Type	Top Connection Pressure Rating	Accessories
MSC Forged Distribution or Collection Manifold	4	D Steam Distribution	1 1/2" NPT	1-1/2" SW	N/A	INSULATION BLANKET SINGLE MOUNTING STAND
		C Condensate Collection	2 1/2" SW	1-1/2" RF Flanged 2" RF Flanged	ANSI 150 ANSI 300	
SMA Fabricated Distribution Manifold CMA Fabricated Collection Manifold	8	V Version	3 3/4" NPT			
	12		4 3/4" SW			
	16					

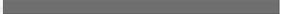
* This nomenclature relates to the ordering of standard manifolds, please contact Spirax Sarco for any custom designs.




Operating Companies


Manufacturing Sites


Sales Offices


Distributors



Spirax Sarco, Inc
1150 Northpoint Blvd,
Blythewood SC 29016
18008834411
www.spiraxsarco.com/us