

STEAM & CONDENSATE MANIFOLD

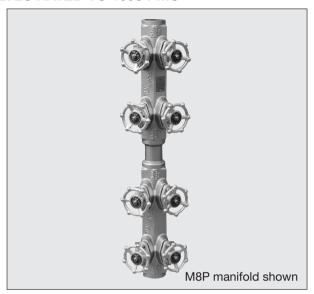
MODEL M4P/M8P/M12P

RUGGED MANIFOLD WITH BUILT-IN PISTON VALVES RATED TO 1098 PMO

Benefits

CLASS 800 forged steel manifolds for steam distribution and condensate recovery on tracing and other applications.

- 1. Rugged and versatile CLASS 800 design minimizes installation area and easily adapts to plant requirements.
- 2. Each line has a built-in piston valve, minimizing installation space.
- 3. Employs a high performance piston valve comprised of upper and lower valve rings made of alternating layers of stainless steel and graphite that provide exceptional tight-sealing.
- 4. The CLASS 800 design and fully maintainable piston valves provide for long service reliability.
- 5. Complete condensate manifold packages are available, incorporating shutoff valves and steam



Specifications

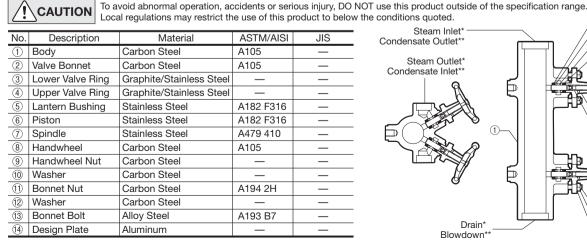
Model		M4P		M8P		M12P	
Steam Outlet* / Condensate Inlet**	No. of Connections	4		8		12	
	Connection***	Screwed	Socket Weld	Screwed	Socket Weld	Screwed	Socket Weld
Ooriderisate miet	Size (in)	1/2, 3/4	1/2, 3/4	¹ / ₂ , ³ / ₄	1/2, 3/4	¹ / ₂ , ³ / ₄	1/2, 3/4
Steam Inlet* /	Connection***	Socket Weld					
Condensate Outlet**	Size (in)	11/2					
D:-* / DI**	Connection***	Socket Weld					
Drain* / Blowdown**	Size (in)			1	1/2		
Maximum Operating Pres	sure (psig) PMO	1098					
Maximum Operating Temperature (°F) TMO 800							
Maximum Allowable Pressure (psig) PMA		1098					
Maximum Allowable Temperature (°F) TMA		800					
Seat Leakage (Gas test in ac	0 bubbles/15 seconds @ 87 psig						

When used as a steam manifold ** When used as a condensate manifold

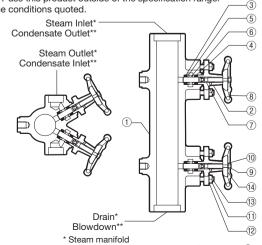
Flanged connections available as an option

Connections and sizes in bold are standard

Compact M4P/M8P/M12P with short pitch available as option. Contact TLV for details.



Repair parts are not provided. If repairs are required for any reason, consult TLV.

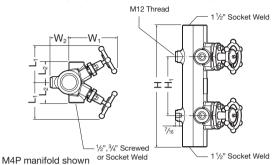


^{**} Condensate manifold

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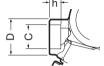
Dimensions

■ M4P / M8P / M12P Screwed & Socket Weld



M4P / M8P / M12P Screwed Weight** Model L_1 L_2 W_1^* W₂ (lb) M4P 13 (9 7/16) 21 (19) 61/4 M8P 42 (37) 316/15 23/16 $(20\frac{1}{2})$ 283/8 43/8 2 $(4\frac{3}{4})$ M₁₂P 433/4 $(31\frac{1}{2})$ 64 (57)

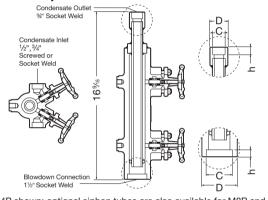
Socket Weld Connections



			()	
Size	φD	φС	h	
1/2	1 ½	0.855	1/2	
3/4	1 72	1.065		
11/2	21/2	1.915		

(in)

Optional Siphon Tube for Condensate Manifolds



M4P shown; optional siphon tubes are also available for M8P and M12P

Sinhon Tube Socket Weld

Olphon Tube	(in)			
Connection	Size	φD	φС	h
Condensate Outlet	3/4	1 ⁷ / ₁₆	1.065	1/-
Blowdown	11/2	2 1/2	1.915	/2

Note: Condensate inlet connections for manifolds with siphon tubes have the same dimensions as for standard M4P/M8P/M12P.

Optional Condensate Manifold Packages

Packages are available for the M4P, M8P and M12P manifolds (pictures show M8P manifold packages.)

	,		
Package	Components	① With V1P Trap Stations	② With Steam Traps & Valves
① With V1P Trap Stations Trap station model: Shutoff valve type: Steam trap unit: (QuickTrap*)	V1P Series Piston valve (built-in) Free Float: S3/S5/S5H Thermodyne: P46UC Thermostatic: L21/L32/X1		
② With Steam Traps & Valves Shutoff valve type (Trap Inlet): Shutoff valve type (Trap Outlet): Steam trap:	Various valve types** Piston valve (built-in) Free Float: SS1** Temperature Control: LEX3N-TZ** (with built-in scale removal feature)		
	Trap specifications data sheet for the	M8P V1P with S3 trap unit	B M8P ─ SS1N

steam trap employing the desired trap unit (trap unit - QuickTrap data sheet):
S3 - FS3/FS5; S5 - FS3/FS5; S5H - FS5H; P46UC - FP46UC; L21 - FL21/FL32; L32 - FL21/FL32; X1 - FX1

* Other steam trap types are available. Consult TLV for available valve types.

Note: The operating and allowable pressure and temperature ranges of the manifold package are limited to the lowest PMO/TMO and PMA/TMA of the steam trap or valves used. See the specifications data sheet for the steam trap or valve, or contact TLV for details.



DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE.

Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury. READ INSTRUCTION MANUAL CAREFULLY.

TLV: CORPORATIO

13901 South Lakes Drive, Charlotte, NC 28273-6790 Tel: 704-597-9070 Fax: 704-583-1610

E-mail: tlv@tlvengineering.com https://www.tlv.com For Technical Service 1-800 "TLV TRAP"







^{*} At full open position **Approximate

⁽⁾ Optional compact model