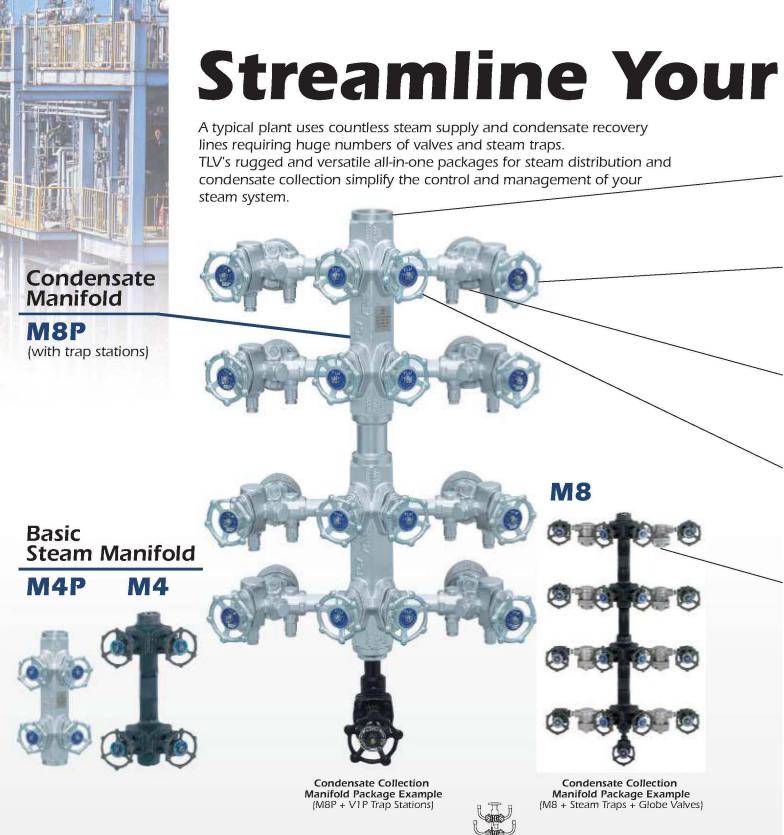
TLX. STEAM & CONDENSATE MANIFOLDS MP/M Series



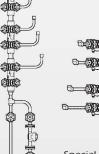


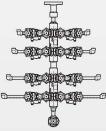
Basic Product Lineup

Model	M4P	M8P	M12P	M4	M8	M12
Integrated Valve	Р	iston Valve	2	Bellows Sealed Valve		
Number of Station Connections	4	8	12	4	8	12
Max. Operating Pressure (psig)	1098*			710*		
Max. Operating Temperature (°F)	800*			752*		

Basic Manifolds for use with both steam and condensate

* Manifold Packages are further restricted by attached valves/traps





Special orders to meet individual design constraints possible. Please consult TLV for details.



Features



Durable - Forged Steel Body

- TLV Manifolds are constructed with a forged steel body for high endurance and an extremely long service life, minimizing maintenance and replacement costs.
- Valves rated for 3,000 operation cycles.



Easy Trap Replacement

Trap Station - Quick Trap

- Allows easy removal and replacement of steam traps with only 2 bolts, greatly reducing maintenance time and labour costs.
- Traps can be removed and replaced without disturbing piping.
- Built-in blowdown valve and strainer reduce scale build up.
- Built-in **TrapMan**® test point.



Choice of Steam Trap - QuickTrap.

• Freely choose from 3 different types of steam trap - free float, disc or thermostatic type - depending on the application requirements. (See back page for further information.)



Long Term Reliable Seal Piston Valve (MP Series, V1P/V2P Series)

- 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. Also, it is possible to operate with the valve partially open.
- The nuts for the valve bonnet can be tightened to stop any leaks from the seat area.



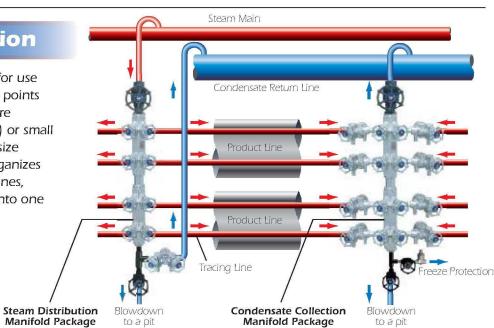
No Gland Leak

Bellows Sealed Valve (M Series, V1/V2 Series)

- Conserves energy by eliminating gland leaks.
- Improves safety and working environment by removing steam clouds.
- Enjoys a long service life through the utilization of stellite-hardened surfaces on valve plug and valve seat.

Typical Application

TLV manifold packages are ideal for use in areas where steam distribution points or condensate collection points are gathered, e.g. tube tracing (right) or small equipment piping. The compact size reduces installation space and organizes different steam and condensate lines, steam traps and isolation valves into one manageable package.



Trap Stations - V1/V2/V1P/V2P

Combining a steam trap and a valve, Trap Stations facilitate simplification of piping.

- The V1/V2 series employs a bellows valve for zero gland leaks, and the V1P/V2P series uses a piston valve exhibiting reliable sealing.
- The steam trap can be selected from the QuickTrap series (free float, disc, and thermostatic types) to most suit the particular application.
- The V1/V1P series have a value on the inlet side, the V2/V2P series have values on the inlet and outlet sides. Models equipping a blowdown valve to flush out the interior, and a test valve to check trap operation are also available.
- The V1/V1P series are for applications with the outlet side open to the atmosphere. The V2/V2P series are for applications with the outlet side piping used for condensate recovery. (Manifolds, main lines, tracers, general processes, etc.)

								1 1 1 36
MODEL	V1-RL	V1-RB	V1-LB	V2-RL		V2-RB	V2-LB	
Valve Type			Bellows Se	ealed Valve				01/2
Station Picture		O.P	- The second sec	OHIO ·	r OIEIO	Otho	OFFO	V
Flow Diagram		-74	-050-	- X+&-X	r -政-公政-	-24	-74-64-74-	en
Flow Direction	Right or Left	Right	Left	Right o	r Left	Right	Left	
Blowdown Valve	<u> </u>	1	1	E	-	1	1	6
Test Valve	-	-	-	5-	-	1	1	0
Max. Operating Pressure (psig)		•	6	50*				
Max. Operating Temperature (°F)	752*						~	
MODEL	V1P-RL	V1P-RB	V1P-LB	V1P-RW	V1P-LW	V1P-RV	V1P-LV	V2P-RI
Valve Type	Piston Valve							
Station Picture	()))) or (10)	(O)D			F			OTO or O
Flow Diagram	- Java or - A J		-4K-			-74-29-	-10-17-	- && -

Blowdown Valve Test Valve Max. Operating Pressure (psig) Max. Operating Temperature (°F)

Right or Left

800* Please see Specification Data Sheet (SDS) V1/V2, V1P/V2P for further details. * For trap station only; further restricted by mounted trap unit

Valve Seat

P46UC

640

752

1630

Right

Units

Left

Trap

Free Float Steam Trap

QuickTrap

Flow Direction

Model'

PMO (psig)

TMO (°F)

Max. Discharg

- Durable float rated to withstand surges of up to 1740 psi hydraulic pressure
- Unique 3-point seating provides tiaht shutoff
- Rapid removal of start-up air by internal thermostatic vent

\$3

300

752

475

alve Seat

Bimetal (Air Vent)

S5

450

752

1510

Floa

S5H

650

800

530

- Thermodynamic Steam Trap
- Rugged thermodynamic principle for arduous conditions

team

Right

- Standard air-jacketed cap prevents no load actuation
- Rapid removal of start-up air by internal thermostatic vent

Disc

Air jacket

Thermostatic Steam Traps

X1

Right or

L Series

Left

725

 Patented "Fail Open" feature of balanced pressure X-element

Right

Left

- Outstanding air venting capability
- Rugged, 4 diaphragm capsule



V2P-RB V2P-LB

Left

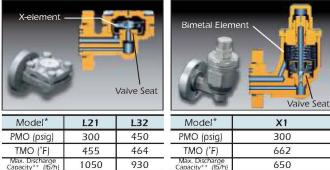
(III)

FI

Right

1a Co

Left



* For more information, see the QuickTrap Specifications Data Sheet (SDS) for the 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.

** Actual discharge capacity will vary depending on operating conditions; see relevant SDS for details.

Model

PMO (psig)

TMO (°F)

Max. Discharge

	To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.
CAUTION	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.

TLY CORPORATION

13901 South Lakes Drive, Charlotte, NC 28273-6790 Phone: 704-597-9070 Fax: 704-583-1610 Member of FC/ E-mail: tlv@tlvengineering.com For Technical Service 1-800 "TLV TRAP"

Internet





(M)

Specifications subject to change without notice.