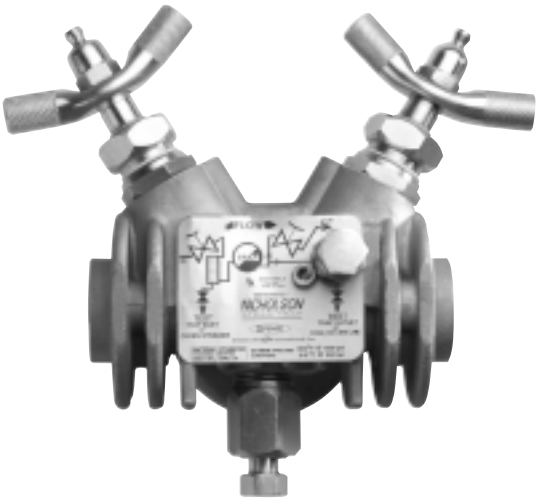
BIG BLOCK
UNIVERSAL MOUNT TRAP VALVE STATION



Pressures to 1440 PSIG (99 bar)
Temperatures to 750°F (399°C)

Compact Size — Isolation valves, test ports, strainer and blowdown valve combined in one “Big Block” for easy installation.

Universal Mount — Universal two bolt swivel trap mount installs permanently into system, simplifying installation and removal of trap.

Highest Pressure and Temperature Ratings — Suitable for virtually all applications.

All Stainless Steel — Body, internal wetted parts and polished inner stem are durable and corrosion resistant.

Blowout Proof Isolation Valves — Feature grease fittings to lubricate one way Teflon® seals and flush contaminants. Protected from overtorque.

Adjustable Grafoil Packing — Simultaneously seals stem and valve body.

Inner and Outer Valve Stems — Reduce wear.

Hardened 440 Stainless Steel Ball Tip — provides tight seal and proper alignment.

High Capacity — All internal ports at least 1/4".

APPLICATIONS

- Unit Heaters
- Steam Tracing
- Drip Legs
- Heating
- Tire Presses
- Cooking Equipment
- Laundry Equipment
- Plating Tanks
- Platent Presses
- Refinery
- Process

OPTIONS

- SW - Socketweld Connections

CODES

- Designed per ASME B16.5, Class 600

MODELS*

- **UMTVS-BB**

OPERATION

The UMTVS Big Block may be used in conjunction with any two-bolt universal mount steam trap. It combines a universal mount connector block with isolation valves, strainer, blowdown valves and test port to permit fast and easy testing, maintenance, and repair or replacement of a universal mount steam trap.

Integral Strainer and Blowdown Valve

The built-in strainer captures dirt and scale. The blowdown valve at the bottom of the connector block may be used periodically to clean out the strainer.

1st Inlet Isolation Valve (left)

Turning the first isolation valve to the off position (clockwise) stops the flow before it reaches the universal mount stream trap, strainer and blowdown valve. If the first isolation valve is opened (counter-clockwise) flow will be directed through the strainer and blowdown valve ports and to the universal mount steam trap.

Test port (on face)

Condensate exiting the universal mount steam trap is directed to the test port. Fully open the test port by loosening the larger test port valve located on the face of the block (counter-clockwise). This will provide a visual indication of the trap discharge pattern to determine the steam trap functionality.

2nd Outlet Isolation Valve (right)

Turning the second isolation valve to the off position (clockwise) stops the flow to the outlet connection. The flow still may be exhausted through any of the previously mentioned ports. When the second isolation valve is open (counter-clockwise), flow to the outlet connection will continue. Downstream backflow discharge may be observed through the open test port by closing the first Inlet Isolation Valve and blowdown valve and opening the second Outlet Isolation Valve.

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SPECIFICATION

Big Block Universal Mount Trap Valve Station shall be a universal mount connector block with integral strainer, blow-down valve, test ports, and dual isolation valves. Body shall be 304L stainless steel. It shall be suitable for pressures to 1440 PSIG. End connections shall be NPT or Socketweld and accommodate connection sizes of 1/2" and 3/4". It shall function in any orientation. It shall accept universal mount steam traps. The isolation valves shall be bonnetless and blowout proof with a relubrication system.

MAXIMUM OPERATING CONDITIONS*

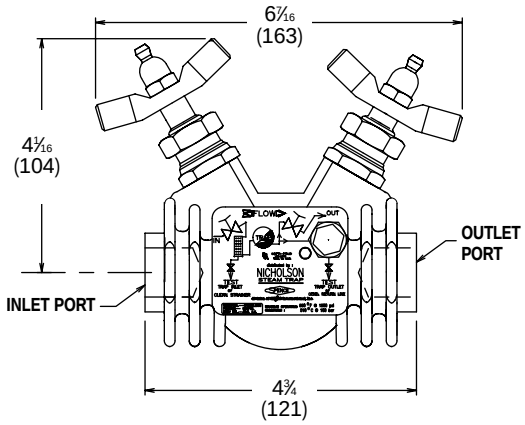
Class 600 - 855 psi (59 barg) @ 750ºF (399ºC)
1440 psi (99 barg) @ 100ºF (170ºC)

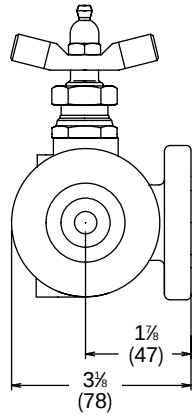
MATERIALS OF CONSTRUCTION

Body .....Investment Cast 304L Stainless Steel**
Blowdown Valve .....304 Stainless Steel
Strainer ..... 304 Stainless Steel .033 Perf
Test Port & Lock Nut.....303 Stainless Steel
Internal Components .....Stainless Steel
External Seals..... Teflon®
Packing.....Grafoil

* Per ASME B16.5, Class 600

** Per ASTM A351-CF





DIMENSIONS - INCHES (MM)
WEIGHT: 6 LBS. (2.7 KG)

Connections: 1/2" & 3/4" NPT or Socketweld