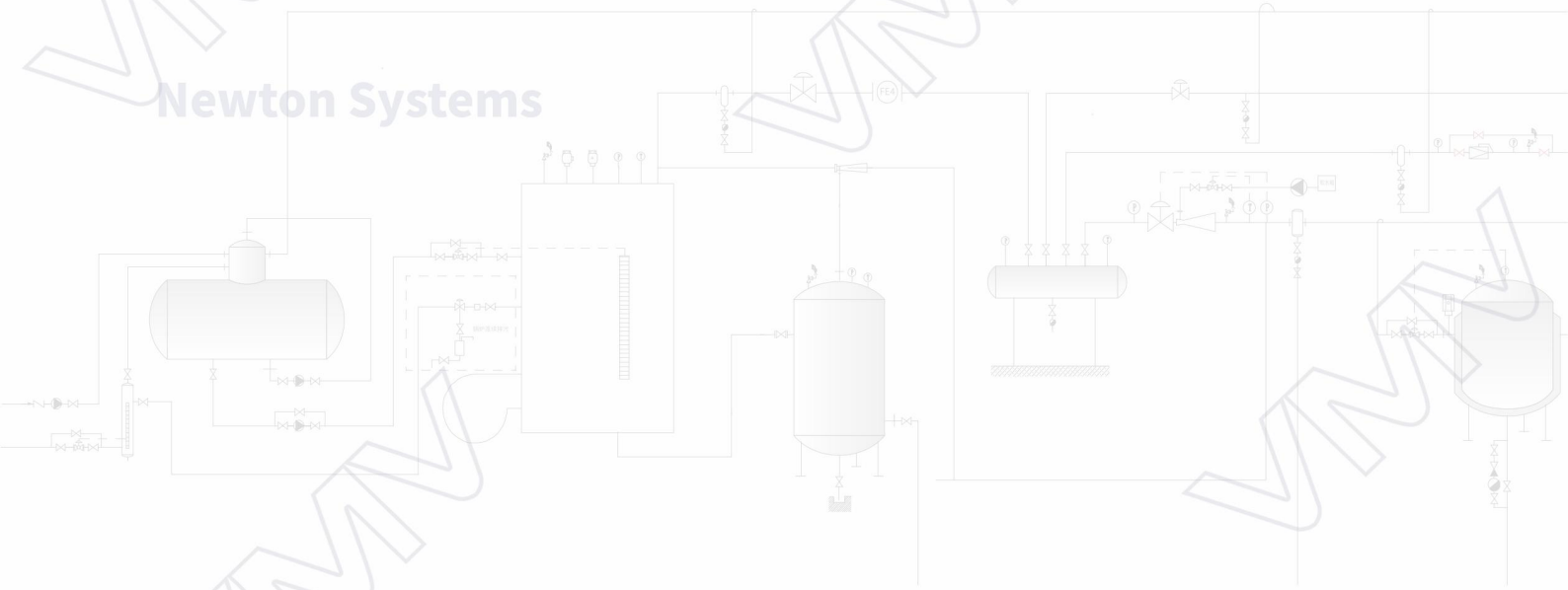


Newton Systems



STEAM TRAP SERIES

Bellows Forged Steel Manifolds

Bellows Forged Steel Manifolds



Technical Parameter

Nominal pressure	PN40/Class 300
Max. allowable pressure (shell)	3.92MPa/200°C
Max. allowable temperature (shell)	450°C/1.66MPa
Max. operating pressure	4.0MPa
Max. operating temperature	350°C
Factory cold test pressure	6.0MPa
Air test	2.0MPa

Notice

During operation, the bellows globe valve should be fully opened or fully closed, and cannot be used for throttling. Refuse to use an afterburner wrench to close the valve to prevent the bellows from being damaged by excessive torque.

Structural Features

- Integrated design, solid structure, shorten on-site construction time
- Maximize installation space saving and easy maintenance
- Integral ball seal face and Stellite alloy hardened seat for perfect sealing
- Adopt stainless steel bellows design, easy to open, durable, eliminate leakage at the packing.

Technical Standard

- GB12224-1989 General Requirements For Steel Valves
- GB12228-1989 General Valve Carbon Steel Forgings Technical Conditions
- GB/T 9131-2000 Steel Pipe Flange Pressure-Temperature Class
- GBT13927-2008 Industrial Valve-Pressure Test
- GBT1048-2019 Definition and Selection of Nominal Pressure of Pipelng Components

Steam Distribution Manifolds

When installing, it is recommended that the steam inlet be installed at the top and the steam trap set the bottom. It is best to recover the condensed water discharged from the trap group. If it is directly discharged into the atmosphere, it is recommended to install a silencer.

Condensate Manifolds

During installation, it is recommended that the top be the condensate outlet, and the bottom should be installed with a shut-off valve for sewage discharge.

Material Table

Manifolds Body	A105
Bonnet	A105
Bellows Assembly	SS304
Stem	SS304
Valve Core	SS440C
Handwheel	SS304
Gasket	Flexible Graphite

Bellows Forged Steel Manifolds

Product Description

VMV's "Bellows Forged Steel Manifolds" have built-in bellows globe valves for steam distribution and condensate collection systems. Depending on the installation, BSPM and BCPM can be used for steam distribution or condensate collection.

The main body adopts the overall forging process material A105, which is dense and high in strength. Suitable for heat tracing of chemical pipelines.

Manifold Body

High strength and corrosion resistance
Temperature resistant up to 350°C
Integrated, compact structure

Valve Core, Valve Seat

Integral spherical valve core
Mating Conical Seat
Achieve linear sealing
Improve sealing performance
The valve core adopts martensitic hardening treatment
Improve scour resistance

Bellows Assembly

Built-in stainless steel bellows assembly
It and the graphite packing realize the double sealing guarantee of the valve stem

Handwheel

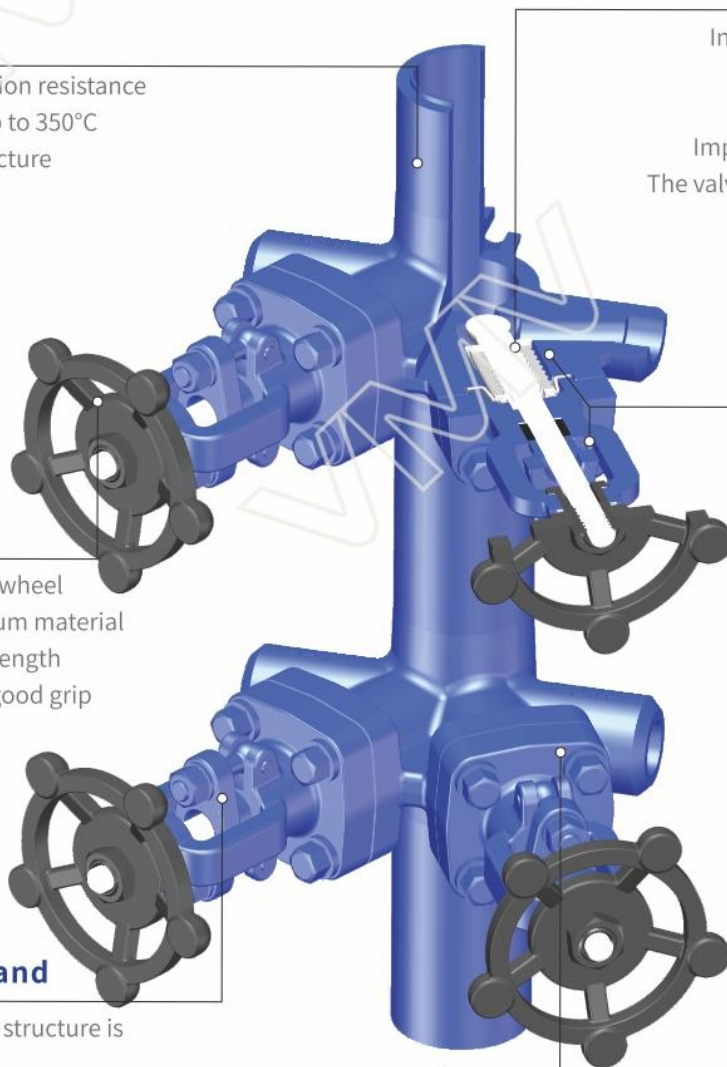
Integral molding of handwheel
made of die-cast aluminum material
Light weight and high strength
Beautiful and compact, good grip

Gland, Packing Gland

The packing compaction structure is center-adjustable
Split gland, packing gland
Prevent valve stem from sticking

Valve Bonnet

Special custom forged bonnet
High structural strength





VMV Newton Systems®

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