



VMV  
TRUE EFFICIENCY  
USE VMV

VMV Newton steam system solutions for integrally efficient energy saving.  
The equipment for simulating the entire process of steam system from connection to condensate recovery and recycling.  
This plan consists of five functional modules: **Power supply, steam source, pressure reducing system, condensate drainage system, secondary steam acquisition and recycling system, condensate recovery system, etc.**  
Application industries: petroleum, chemical, papermaking, food, medicine, tobacco, washing, building materials, mining, biology, leather, printing and dyeing textiles, etc.

### ENGINEERING CASES

VMV products have been widely used in industrial pipelines such as steam system, thermal oil system, petroleum, chemical industry, metallurgy, electric power, military industry, paper making, pharmacy and engineering support.



### Zhejiang Newton Fluid Control Co.,Ltd.

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CE ISO TS ERI CCS



Comprehensive Solutions for Steam and Thermal Energy Systems



### STEAM AND THERMAL ENERGY SAVING SYSTEM



### Introduction

## COMPANY PROFILE

"Let our Valves create Maximum Value" ---This is what the VMV brand meaning.

ZHEJIANG NEWTON FLUID CONTROL CO.,LTD. is committed to providing comprehensive solutions for steam and thermal energy systems.

Our products include bellows sealed valves series, steam traps series, control valves series.

Not just products service, but from the site survey, energy saving diagnosis, full range of products development, project landing, operation monitoring to from system solutions, all follow the principle of sustainable development.

We have also qualified with TS, CE PED 0036, ISO9001, ISO14001, ISO45001, ISO15848, API624, CCS, EAC 010 DOC, EAC 032 COC, EAC 032 DOC, EAC 5D certificates etc.



## VMV Newton Headquarters (Wenzhou)



## VMV CERTIFICATES



## BELLOWS SEALED VALVES SERIES

Bellows valves are mostly used in heating, chemical, power, pharmaceutical, food, shipbuilding and other industries. They are a kind of on-off valve, and ensure the zero leakage by forming a metal barrier between the medium and atmosphere with automatic seam welding.

1. Coated sand casting technology.
2. Double seal design(bellows+packing).
3. Multiple disc forms can be selected.
4. Patented central locate design.
5. Ergonomic handwheel.
6. DN40 below can do the integral forging.
7. Different design standards are available for selection, like DIN/ANSI/JIS standards etc.



Bellows Sealed Globe Valve (Plus)



Bellows Sealed Globe Valve (Super)



ANSI Bellows Sealed Globe Valve



Cast Steel Y Strainer



Forged Steel Bellows Sealed Globe Valve



Integral Forged Steel Bellows Sealed Globe Valve



Bellows Sealed Globe Valve (Extend)



Y Type Bellows Sealed Globe Valve



Gland Packing Globe Valve



Integral Forged Steel Y Strainer



Lift Check Valve



ANSI Bellows Sealed Gate Valve

## STEAM TRAPS SERIES

Steam traps are widely used where steam is present. As automatic devices, they are mainly used in steam system to automatically exclude condensed water, air and non-condensing gas, while preventing steam leakage.

1. Efficient removal of condensate and air.
2. Prevents water hammer and temperature fluctuation.
3. Energy savings and improved heat exchange efficiency.
4. Adapt to different working conditions.



Lever Ball Float Steam Trap



Thermodynamic Steam Trap



Steam Liquid Two Phase Flow Trap



Steam Separator



Pump



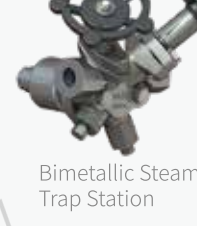
Pump System



Inverted Bucket Steam Trap



Thermostatic Steam Trap



Bimetallic Steam Trap Station



Vacuum Breaker



Condensate Flash System



Pump System



Manifolds



Mixer



Condensate Flash Recovery System



Condensate Flash Recovery System

## CONTROL VALVES SERIES

1. Long service life and fast response speed.
2. High regulation precision with low leakage rates.
3. Long-lasting seals in high-temperature operations.
4. Good stability against high differential pressure.
5. Upper pressure structure makes convenient and quick on-site maintenance.
6. Application: Thermal oil system, high temperature steam control, cavitation, flash, high noise and other harsh conditions.



## SAFETY VALVE

1. Valve body with pretty casting and appearance.
2. Suitable for equipment and pipelines with temperature  $\leq 350$  °C.
3. Reasonable structure, standard material, sensitive action, good sealing, and large flow rate.
4. Overpressure protection, when the pressure exceeds the set pressure, the valve automatically opens, when the pressure exceeds relieving pressure, the valve fully opens for discharge, when the pressure drops to the reseating pressure, the valve automatically closes, ensures safe operation.



## PRESSURE REDUCING VALVE

1. High precision for pressure reducing, up to  $\pm 3\%$ .
2. Wide range for pressure regulating, 0.02-2MPa.
3. Large pressure reduction, up to 20:1.
4. Low leakage in the closed state.
5. Long service life, fast response speed and large flow rate.
6. Good control stability, high temperature and pressure resistance.
7. Long-term maintenance free and on-site operation.

