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GANIHILL HVAC TECHNOLOGY



GANIHILL HVAC TECHNOLOGY

Around 20 years' Manufacture
Drafting Unit of Industry Standard
Market-Certified Quality
Customized & OEM Solutions

INTRODUCTION

The Garnihill brand advocates the chivalrous spirit of protection, care, integrity, wisdom and honor. It upholds the service attitude of sincerity, patience, attentiveness, warmth and caringness, provides a competitive HV valve product system, continues to make efforts to create the highest value for customers, and builds a new HV valve industry ecosystem.

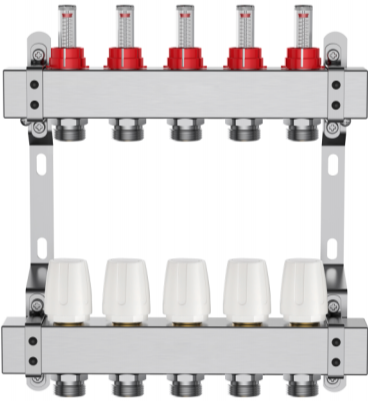
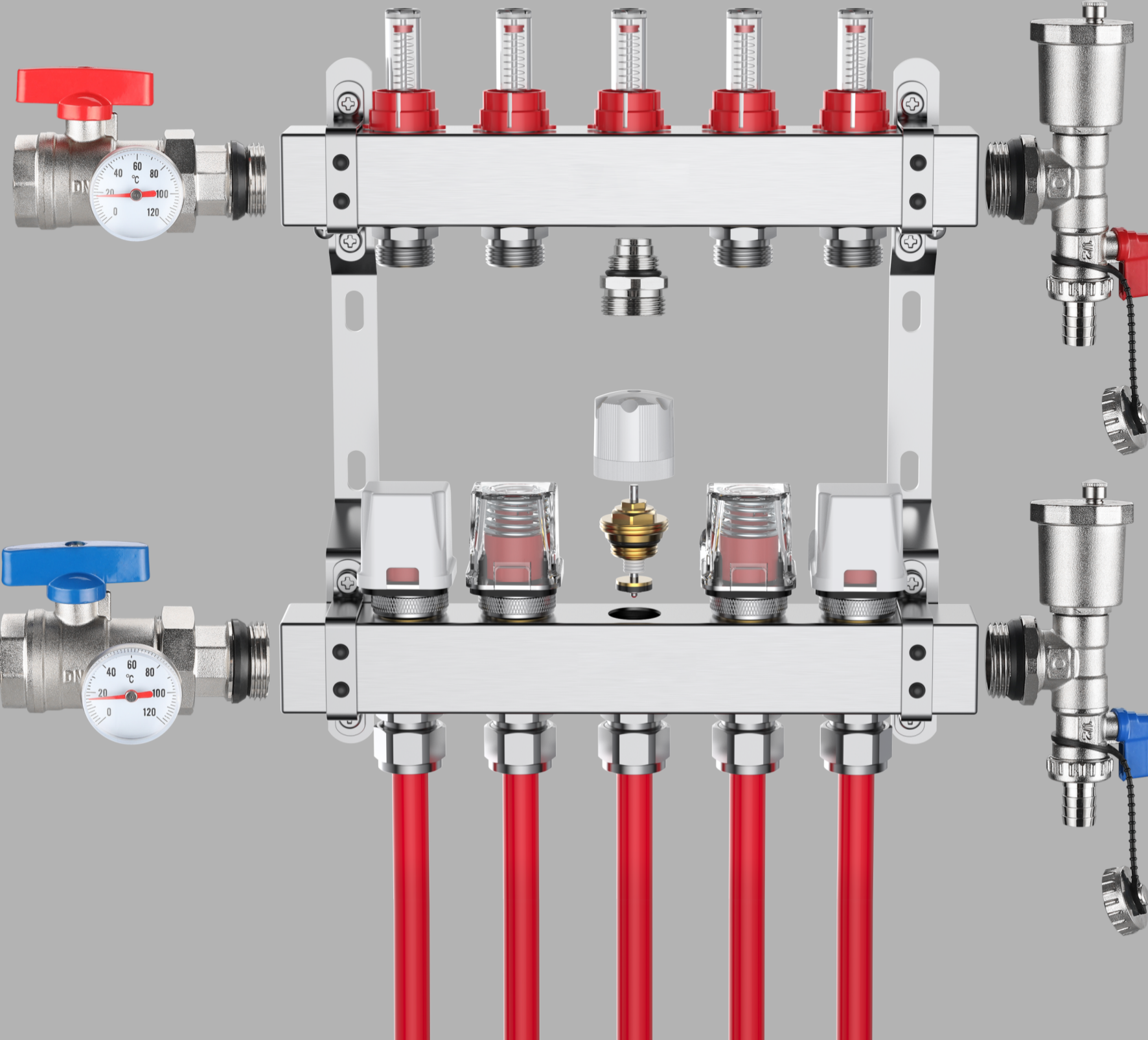
Garnihill holds the pulse of the market, opens up an international horizon, and achieves sustainable development. He is committed to providing global customers with high-quality products and services in the fields of heating systems, domestic hot water systems, intelligent control, etc. Provide professional, reliable, environmentally friendly and energy-saving solutions for every home and project.

Garnihill continues to introduce advanced technologies, continuously upgrade equipment, use high-precision machine tools to carefully create product processes, and formulate complete and strict testing mechanisms, thus obtaining international certifications such as ISO quality management system, CE, and ROHS. A professional HV valve integrated system service provider integrating product research and development, production, sales and services.

Garnihill is committed to becoming the first choice HV valve system manufacturing service provider in customers' minds.



FLOOR
HEATING SERIES



8009 Manifold

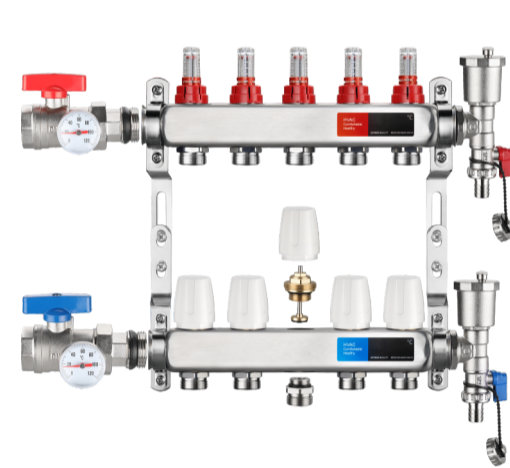


8008 Manifold



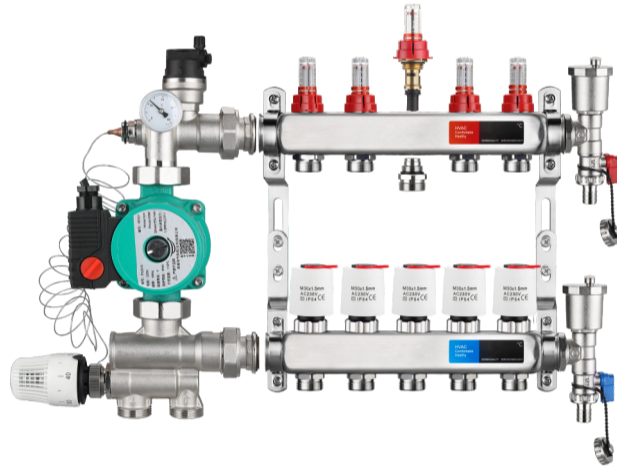
8010 Manifold

Manifold



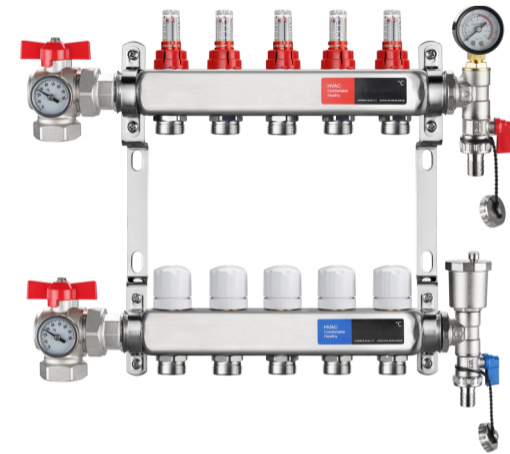
6004 Manifold

Material: Stainless steel
Nominal pressure: ≤10bar
Working temperature: t≤70°C
Connection branch pipe: 3/4"xΦ16 3/4"xΦ20
Actuator connection thread: M30x1.5
Branch spacing: 50mm



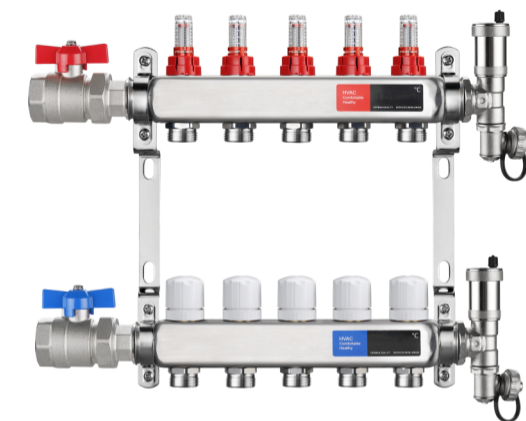
6005 Manifold

Material: Stainless steel
Nominal pressure: ≤10bar
Working temperature: t≤70°C
Connection branch pipe: 3/4"xΦ16 3/4"xΦ20
Actuator connection thread: M30x1.5
Branch spacing: 50mm



6006 Manifold

Material: Stainless steel
Nominal pressure: ≤10bar
Working temperature: t≤70°C
Connection branch pipe: 3/4"xΦ16 3/4"xΦ20
Actuator connection thread: M30x1.5
Branch spacing: 50mm



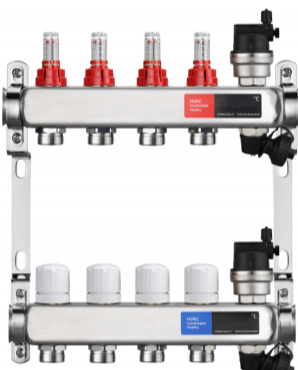
6007 Manifold

Material: Stainless steel
Nominal pressure: ≤10bar
Working temperature: t≤70°C
Connection branch pipe: 3/4"xΦ16 3/4"xΦ20
Actuator connection thread: M30x1.5
Branch spacing: 50mm

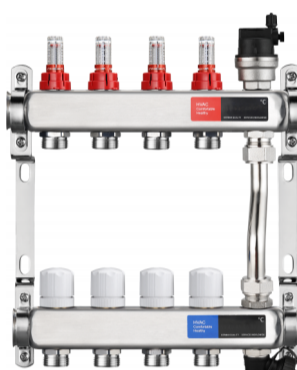
Manifold



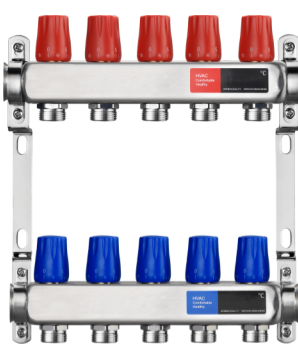
8002 Manifold



8002A Manifold



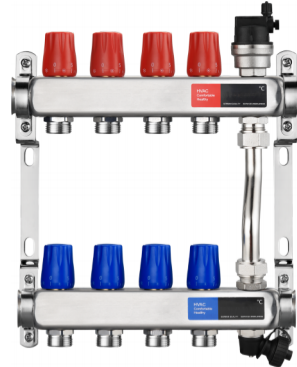
8002B Manifold



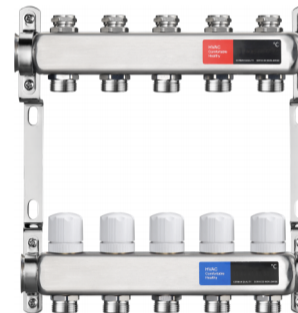
8001 Manifold



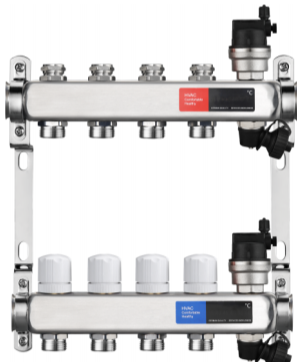
8001A Manifold



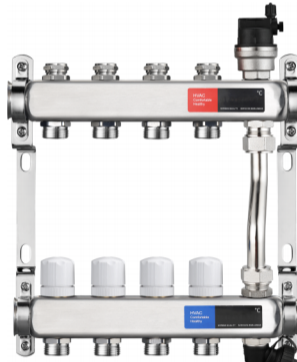
8001B Manifold



8003 Manifold



8003A Manifold



8003B Manifold

Ball Valve

Drain Valve



8719A Water Leak Control System

8719B Water Leak Control System

8201 Drain Valve

8212 Drain Valve

8207 Drain Valve



8720 Water Leak Control System

8718 Ball Valve

8716 Ball Valve

6203 Drain Valve

8213 Drain Valve

8215 Drain Valve



8913 Ball Valve

8917 Ball Valve

8912 Ball Valve

9010 Air Vent Valve

9027 Air Vent Valve

09005 Air Vent Valve

8922 Air Vent Valve



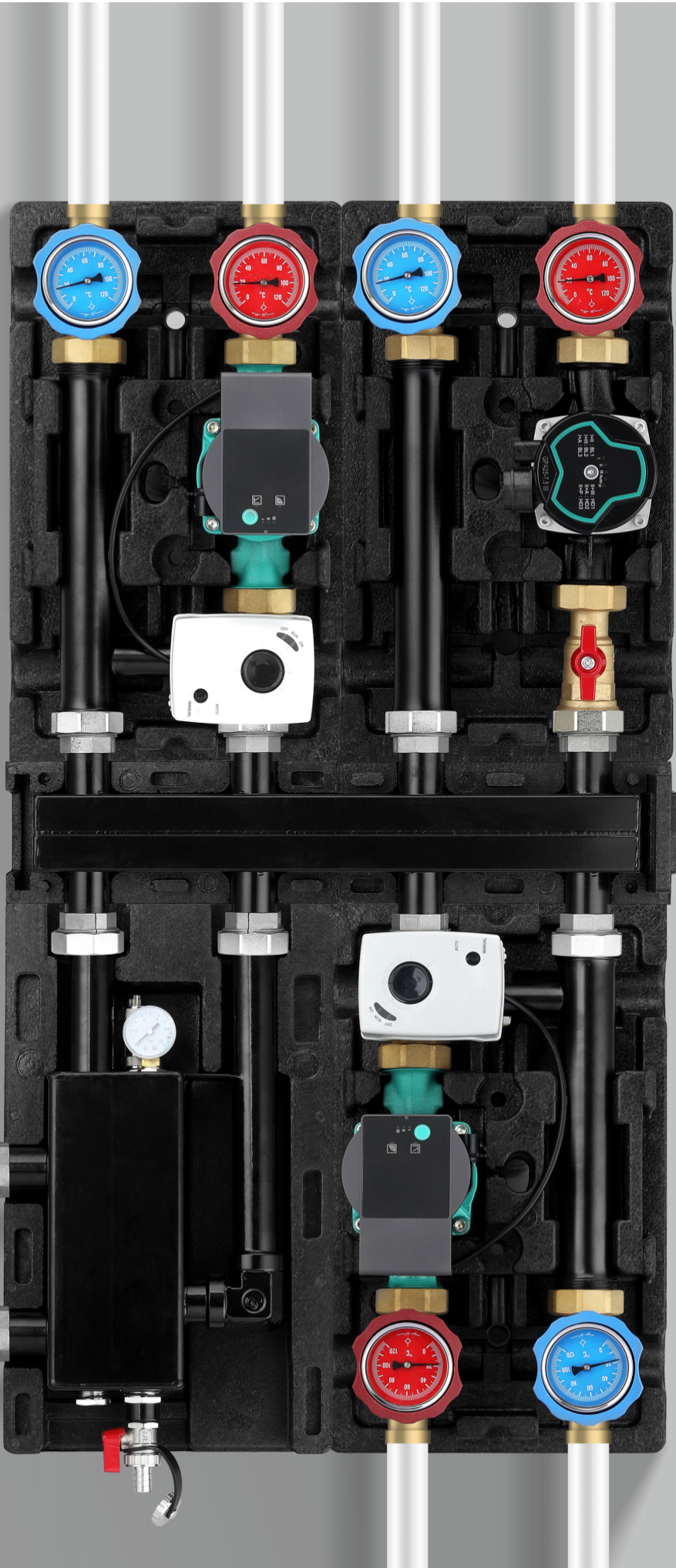
090006 Drain Valve

8921 Drain Valve

6035 Pressure Gauge

6036 Drain Valve

HEAT DISTRIBUTION SYSTEM



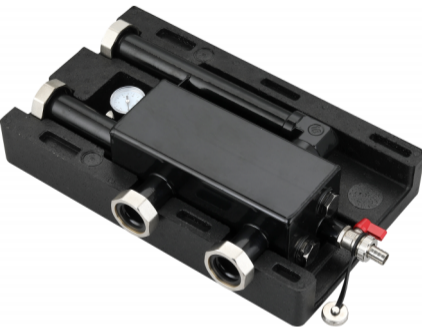
7555 Pump Group With Mixing Valve

Diameter	Dn25
Orifice Size	1-1/2"Female Flip-Thread
Orifice Spacing	125MM
Working Temperature	110°C
Max. pressure	6BAR



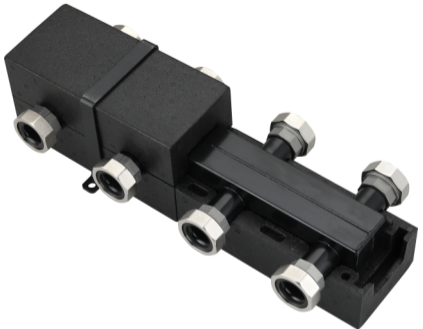
7553 Pump Group

Diameter	Dn25
Orifice Size	1-1/2"Female Flip-Thread
Orifice Spacing	125MM
Working Temperature	110°C
Max. pressure	6BAR



7556 Hydronic Heating Buffer Tank

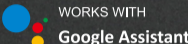
Orifice Size	125mm
Power	MAX. 50kw flow 2m^3/h ΔT=20k
Working temperature	110°C
Max. pressure	6bar



7557 Hydronic Heating Separator

Orifice spacin	125mm
Upper orific	1-1/2"Female Flip-Thread
Lower orifice	1-1/2"Female Flip-Thread
Working temperature	110°C
Max. pressure	6bar

ROOM
THERMOSTAT
SERIES



7535 Thermostat



7538 Thermostat



7536 Thermostat



7533 Thermostat



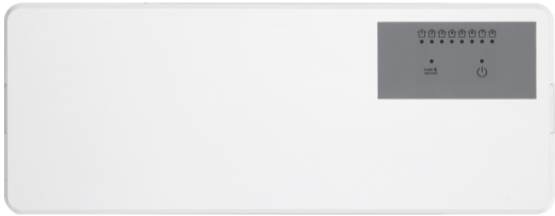
7537 Thermostat



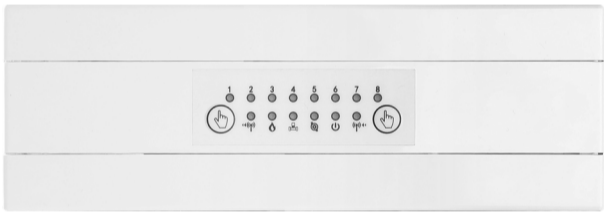
7532 Thermostat

Room Thermostat

Room Thermostat



7529 Centralized control box



7558 Centralized control box



7503 Thermostat



7505 Thermostat



7509 Thermostat



7555 Thermostat



7556 Thermostat



7557 Thermostat



7513 Thermostat



7502 Thermostat



7515 Thermostat



7551 Thermostat



7552 Thermostat



7553 Thermostat



7507 Thermostat

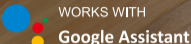


7539 Thermostat



7550 Thermostat

ELECTRONIC
THERMOSTATIC
RADIATOR VALVE



7322
Electronic Thermostatic
Radiator Valve



7323
Electronic Thermostatic
Radiator Valve



7325
Electronic Thermostatic
Radiator Valve



7326
Electronic Thermostatic
Radiator Valve



7327
Electronic Thermostatic
Radiator Valve



7328
Electronic Thermostatic
Radiator Valve



7329
Smart Wi-Fi
OLED Socket Thermostat



7330
Smart Wi-Fi
OLED Socket Thermostat

THERMOSTATIC
ACTUATOR
SERIES



Product Introduction

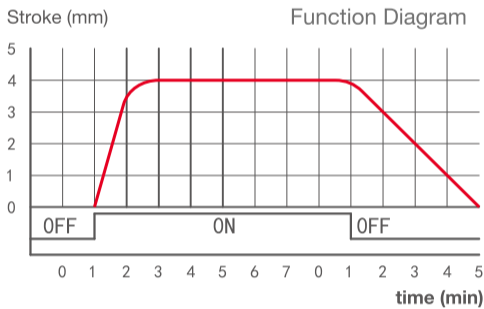
- Imported paraffin, driven by PTC heating
- The resin is expanded by heat to push the valve
- Reset function, noiseless running
- Valves can be closed or opened (NC or NO) after power off
- Easy to install and dismantle with nut connection

Tests:
Cold and heat exchange, initial stroke, life test, displacement curve.

Application:
For circuit control of water manifold in underfloor heating system

Technical Data

Voltage	230v Ac 50hz
Max. Power	≤2.5w
Initial State	Normally Open Type(no)
Actuation Force/Stroke	100-110n/4mm
Running Time	<6min
Ambient Temperature	0°c-60°c
Connection Line	2x0.5mm Length750mm
Protection Degree	Ip54(en60529)



Thermoelectric actuator



7319
Electric actuator



7318
Thermoelectric actuator
(Normally Closed)



7317
Thermoelectric actuator
(Manual & Automatic)



7309
Thermoelectric actuator
(Normally Closed)



7307
Thermoelectric actuator
(Normally Closed)



7308
Thermoelectric actuator
(Normally Closed)



7305CB
Thermoelectric actuator
(Normally Closed)



7305GW
Thermoelectric actuator
(Normally Closed) High



7313
Thermoelectric actuator
(Normally Closed)

Thermoelectric actuator



7316
Thermoelectric actuator
(Manual & Automatic)



7319
Thermoelectric actuator
(Normally Open)



7320
Thermoelectric actuator
(Normally Open)



7315
Thermoelectric actuator
(Normally Closed)



7305
Thermoelectric actuator
(Normally Open)



7321
Thermoelectric actuator
(Normally Open)



7301
Thermoelectric actuator
(Normally Open)



7305-1
Thermoelectric actuator
(Normally Open)



7310
Thermoelectric actuator
(Manual & Automatic)

THERMOSTATIC RADIATOR VALVE SERIES



Product Introduction

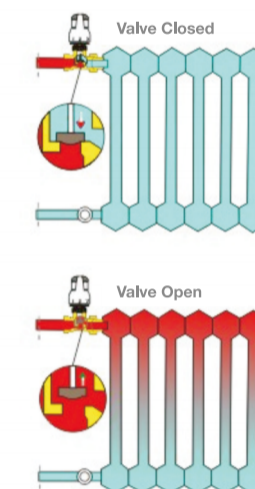
Thermostatic radiator valve is a specific valve for radiators, consisting of valve and thermostatic controller by which users can adjust to the setting temperature. When the room temperature is above the setting temperature, the temperature sensor (filled with thermal fluid) in thermostatic radiator valve will expand by heat and increase in volume, pushing the piston to turn down the valve to reduce the radiator inlet flow, so that the room temperature falls to the setting temperature.

When the room temperature is lower than the setting temperature, the temperature sensor will contract and decrease in volume and the spring in valve will reset which will drive back the valve piston to increase water flow until the room temperature reaches the setting temperature according to demands.

Working Principle

The thermostatic controller consists of bellows filled with special thermal fluid inside; the balance between the thermal fluid and saturated gas makes the controller adjust proportionally according to the room temperature.

- A. When the room temperature rises, part of the thermal fluid inside turns into gas, causing the bellows to expand and the valve rod to close proportionally.
- B. When the room temperature falls, the bellows is contracted by the tension of the spring and the valve rod goes up to open the valve proportionally.



Thermostatic Radiator Valve

7109
H Type Straight Valve



PRODUCT FEATURES

- Designed according to European standard
- Easy installation and operation.
- Sensitive response and excellent performance
- Convenient for temperature locking
- Great Hand feeling

TECHNICAL DATA

Nominal Pressure: Pns1.6mpa
Working Medium: Water
Highest Water Temperature: 110°C
Thread: 55 ° Inch



7101
Straight Type
Thermostatic Radiator Valve



7013
Angle Type
Thermostatic Radiator Valve



7102
Angle Type
Thermostatic Radiator Valve



7101
Straight Type
Thermostatic Radiator Valve



7013
Angle Type
Thermostatic Radiator Valve



7102
Angle Type
Thermostatic Radiator Valve



7108
Straight Type
Thermostatic Radiator Valve



7108
Straight Type
Thermostatic Radiator Valve



7109
H Type Angle Valve

Thermostatic Head with Liquid Sensor



7121
Thermostatic Head with Liquid Sensor



PRODUCT INTRODUCTION

Thermostatic controllers are used to regulate ambient temperature automatically wherever they are installed, keeping the temperature at a preset value.
Thermostatic controllers can detect variations in temperature thus making it possible to keep heat at optimal temperatures and to provide a considerable saving of energy.

Recommended Temperature Settings for
Energy Saving and Comfort

Temperature	Closed	6	12	16	20	24	28
Indicator		*	1	2	3	4	5



7113
Thermostatic Head with Liquid Sensor



7115
Thermostatic Head with Liquid Sensor



7116
Thermostatic Head with Liquid Sensor



7123
Thermostatic Head with Liquid Sensor



7125
Thermostatic Head with Liquid Sensor



7126
Thermostatic Head with Liquid Sensor



7127
Thermostatic Head with Remote Sensor