



HEATING SYSTEM TECHNOLOGY 2024



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 **EN215**  **ISO9001:2015**



SPIRIT OF THE CRAFTSMAN

INTENSIVE CULTIVATION

ABOUT US

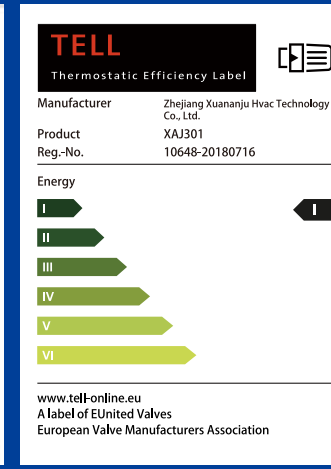
Our company was established in 2002 and renamed to Xuananju HVAC Technology in 2021. Our core products are Thermostatic Radiator Valves, Radiator Valves and other heating system wares. Thermostatic Radiator Valve are mainly use in central heating and floor heating systems. The product can regulate hot water flow rate to control room temperature. It has been applying widely in many key energy saving and environmental protection projects.

Our company is equipped with various testing and inspecting equipment to guarantee the quality of our products, which can meet the requirements of our customers and the market.

Our professional workers insist on the principle of doing delicate products and being the strongest company in HVAC field. We warmly welcome domestic and abroad customers to our company or contact us to build cooperation.

Enterprise qualification and plant equipment







TEST

Xuan an ju with numerous sophisticated equipment,improve the process,modern production management,for the production of various grades and specifications of high-quality products.

In the construction business-oriented,scientific research institutions,universities rely on research with technology as a model based on a combination of, copper technology to carry out international exchanges and promote the internationalization process technology Xuananju.



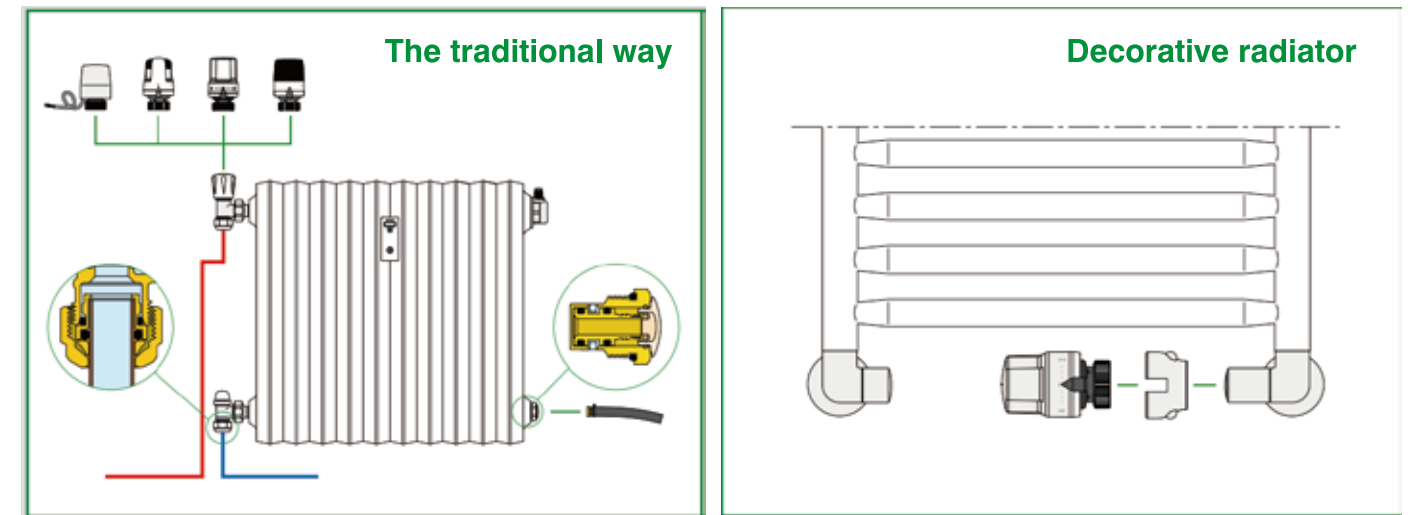
Workshop equipment

Automatic and precise machines and specifical testing equipments for guarantee of the quality.

WE ARE

committed to being pioneer
in heating industry

Thermostatic Radiator Valve Head Series	01-06
Thermostatic Radiator Valve Series	07-15
Radiator Valve And Lock Shield Series	16-29
Pressure Reducing Valve Series	30-32
Safety Valve Series	33-36
Thermostatic Mixing Valve And Magnetic Filter	37-40
Thermostatic Regulating Unit	41-44
Manifold Series	45-50
Air Vent Valve Series	51-54
Accessarirs	55-56



Thermostatic Control Heads
 Thermostatic Radiator Valves
 TRV with Pre-setting
 Dynamic Thermostatic Radiator Valves
 Cartridges for TRV
 Manual Radiator Valves and Lockshield Valves
 Traditional Thermostatic Radiator Valves



XAJ SERIES TRV PRODUCTS

TECHNICAL INSTRUCTION

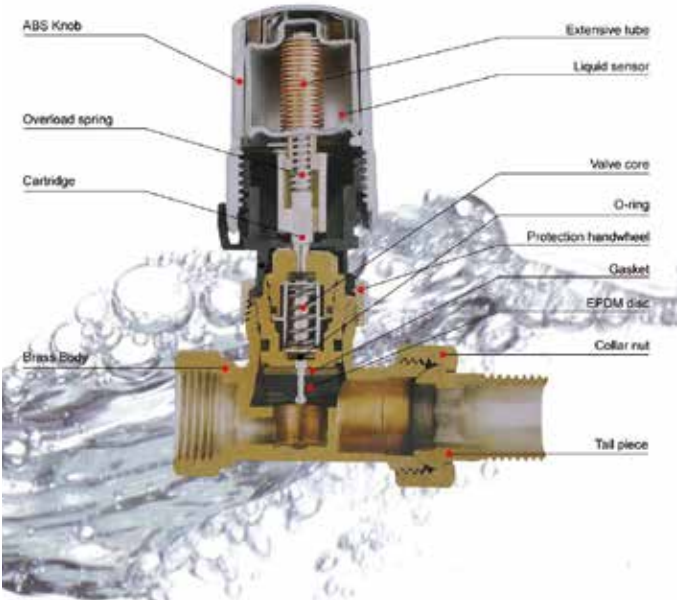
1 Function

This series TRV in both manual and automatic is used for end controlling of heating system. It can adjust automatically the quantity of heat through the radiator to maintain the setting temperature in the room.

2 Working Theory

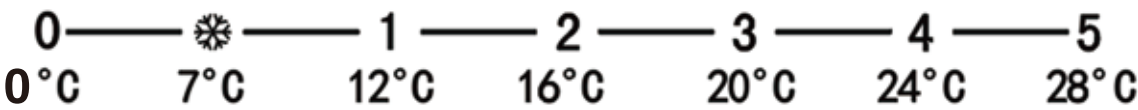
XAJ3XX series TRV head should be used together with XAJ1XX series TRV. A TRV head contains a temperature sensor, an adjustment cover with scale and related mechanical working parts. When the temperature of room changes from the setting temperature, the valve rod will get movement because of the expansion and contraction of the sensor, and to adjust the quantity of heat through the radiator.

3 Parameter And Construction



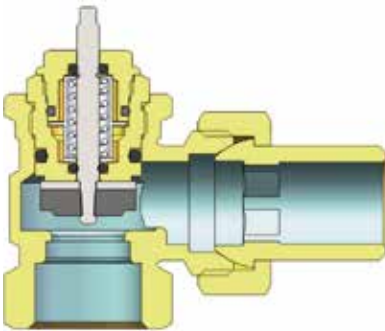
Adjustment scale	✱-5
Temperature Adjustment range	7-28℃
Frost protection cut-in	7℃
Max ambient temperature	50℃
Max differential pressure with control head fitted	1bar
Max working pressure	10bar
Working temperature range of thermal medium	5-100℃
Hysteresis	0.4k
Differential pressure in fluence	0.4k
Water temperature effect	0.5k
Response time	20min

Match between the scale and temperature



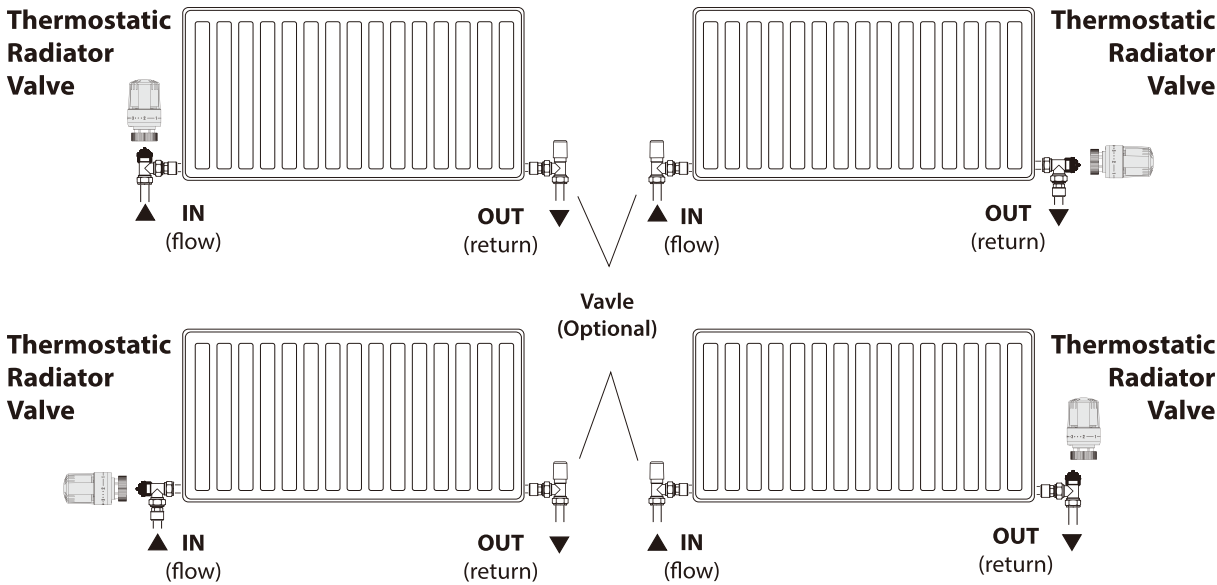
Valve construction feature

The valve rod is made of stainless steel and the gasket is made of double-EPDM O ring, in which there will hardly have any leakage during long time working. Meanwhile, the special design of piston can optimize the hydraulic features, reduce noise and reduce the flow rate, and the large drift diameter between piston and seat can control the pressure loss.



4 Use And Instruction

The thermostatic radiator valve can be installed on either side of the radiator, in a vertical or horizontal position. If a lockshield valve is also used on the same radiator, install it on the opposite side of he radiator. See Figure 1.0:



KAJ309

Thermostat



Size
M30x1.5

KAJ301

Thermostat



Size
M30x1.5

KAJ307

Thermostat



Size
M30x1.5

KAJ341

Thermostat



Size
M30x1.5

KAJ309VN

Thermostat



Size
M30x1.5

KAJ303

Thermostat



Size
M30x1.5

KAJ343

Thermostat



Size
M30x1.5

KAJ333A

Thermostat with contact probe



Size
M30x1.5

KAJ309VR

Thermostat



Size
M30x1.5

KAJ336

Thermostat



Size
M30x1.5

KAJ346

Thermostat



Size
M30x1.5

KAJ333B

Thermostat with remote sensor



Size
M30x1.5

KAJ340

Thermostat



Size
M30x1.5

KAJ345

Thermostat



Size
M28x1.5

KAJ347

Thermostat



Size
M30x1.5

KAJ381

Thermo-electric Actuator

A-Normally Open
B-Normally Closed



Size
M30x1.5mm

KAJ348

Thermostat



Size
M30x1.5

KAJ320

Thermostat



Size
M30x1.5

KAJ325

Thermostat



Size
M30x1.5

KAJ382

ELECTRIC ACTUATOR



Running power consumption	≤3.5 W
Torque	≤7 N.m
Operating time	149S
Protection class	IP52
Electric cable length	1m
Cable lines	3 lines (brown/ blue/black)

TRV KIT

XAJ320 + XAJ101-J + XAJ214-J 



XAJ320 + XAJ101 + XAJ214 



TRV KIT

XAJ301 + XAJ102P-J + XAJ205-J 



XAJ301 + XAJ102P + XAJ205



XAJ102P-J

Angled Thermostatic Valve



Size
15mm x 1/2"



XAJ102P

Straight Thermostatic Valve



Size
15mm x 1/2"

XAJ102P-J

Angled Thermostatic Valve



Size
16mm x 1/2"

XAJ102P

Straight Thermostatic Valve



Size
16mm x 1/2"

XAJ102PB-J

Angled Thermostatic Valve



Size
15mm x 1/2"

XAJ102PB

Straight Thermostatic Valve



Size
15mm x 1/2"

XAJ102D-J

Angled Thermostatic Valve



Size
10mm x 1/2"
15mm x 1/2"

XAJ102D

Straight Thermostatic Valve



Size
10mm x 1/2"
15mm x 1/2"

XAJ107P-J

Angled Thermostatic Valve



Size
16mm x 1/2"

XAJ107P

Straight Thermostatic Valve



Size
16mm x 1/2"

XAJ101-J

Angled Thermostatic Valve



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"
1" x 1"



XAJ101

Straight Thermostatic Valve



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"
1" x 1"



XAJ103-J

Angled Thermostatic Valve



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"

XAJ103

Straight Thermostatic Valve



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"

XAJ1040-J

**Angled Thermostatic Valve
with pre-setting insert**



Size
1/2"x1/2"

XAJ1040

**Straight Thermostatic Valve
with pre-setting insert**



Size
1/2"x1/2"

XAJ1026-J

**Angled Thermostatic Valve
with pre-setting insert**



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"

XAJ1026

**Straight Thermostatic Valve
with pre-setting insert**



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"

XAJ104-J

Angled Thermostatic Valve



Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"



XAJ104

Straight Thermostatic Valve



Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"



XAJ1015-J

**Angled dynamic
Thermostatic Valve**



Size
1/2"x1/2"

XAJ1015

**Straight dynamic
Thermostatic Valve**



Size
1/2"x1/2"

XAJ119-J

Angled Thermostatic Valve



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"

XAJ119

Straight Thermostatic Valve



Size
3/8" x 3/8"
1/2" x 1/2"
3/4" x 3/4"

XAJ1061-J

Angled Thermostatic Valve



Size
1/2" x 1/2"

XAJ1061

Straight Thermostatic Valve



Size
1/2" x 1/2"

XAJ140-J

Reverse Thermostatic Valve



Size
1/2"x1/2"



XAJ108F

Reverse Thermostatic Valve



Size
1/2"x1/2"

XAJ1401-J

Reverse Thermostatic Valve



Size
1/2"x1/2"

XAJ108A

Reverse Thermostatic Valve



Size
1/2"x1/2"

XAJ101C-J



Angled Thermostatic Valve

Size
16mm x 1/2"

XAJ101C



Straight Thermostatic Valve

Size
16mm x 1/2"

XAJ111-J



Angled Thermostatic Valve

Size
15mm x 1/2"
20mm x 3/4"

XAJ111



Straight Thermostatic Valve

Size
15mm x 1/2"
20mm x 3/4"

XAJ107F-J



Angled Thermostatic Valve

Size
15 x 1/2"

XAJ107F



Straight Thermostatic Valve

Size
15 x 1/2"

XAJ108



Reverse Thermostatic Valve

Size
15mm x 1/2"

XAJ143



Reverse Thermostatic Valve

Size
15mm x 1/2"

XAJ101A-J



Angled Thermostatic Valve

Size
3/8" x 3/4"
1/2" x 3/4"
3/4" x 3/4"



XAJ101A



Straight Thermostatic Valve

Size
3/8" x 3/4"
1/2" x 3/4"
3/4" x 3/4"



XAJ114



Convertible Radiator Valve

Size
1/2" x 1/2"

XAJ110-W



Zone Valve

Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"

XAJ147



Zone Valve

Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"

XAJ148



Zone Valve

Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"

XAJ140-JW



Reverse Thermostatic Valve

Size
1/2"x3/4"



XAJ1042



Corner TRV for Electric Heating

Size
16mm x 1/2"

XAJ120P



Corner Thermostatic Valve

Size
15mm x 1/2"

XAJ123



Corner Thermostatic Valve

Size
15mm x 1/2"

XAJ120B



Corner Thermostatic Valve

Size
16mm x 1/2"

XAJ226B



Corner Lockshield

Size
16mm x 1/2"

KAJ126P-J

Angled Integrated Thermostatic Valve



Size
16mm x 1/2"

KAJ126P

Straight Integrated Thermostatic Valve



Size
16mm x 1/2"

KAJ134-J

Angled Integrated Thermostatic Valve



Size
15mm x 1/2"

KAJ134

Straight Integrated Thermostatic Valve



Size
15mm x 1/2"

KAJ121P-J

Convertible Radiator Valve



Size
1/2"x3/4"

KAJ121P

Convertible Radiator Valve



Size
1/2" x 3/4"

KAJ1048

Convertible Integrated Thermostatic Valve



Size
16mm x 1/2"

KAJ150

Convertible Integrated Thermostatic Valve



Size
15mm x 1/2"

KAJ126C-J

Angled Integrated Thermostatic Valve



Size
1/2"x3/4"

KAJ142

Convertible TRV
-Preset for one-pipe system
-Adjustable for two-pipe system



Size
3/4"

KAJ103-ZX

The TRV Cartridge



Size
M18x1

KAJ101-15ZX

The TRV Cartridge



Size
M21x1

KAJ106-ZX

The TRV Cartridge



Size
G1/2

KAJ120-ZX

The TRV Cartridge



Size
G1/2

KAJ101F-15QX

The TRV Cartridge



Size
M21x1

KAJ121F-15-87

The TRV Cartridge



Size
G1/2

KAJ1026-1515-87

The TRV Cartridge



Size
M22x1.5

KAJ1052-15QX

The TRV Cartridge



Size
M19x1.5

KAJ1065-30x1.5-87

Radiator Catridge



Size
M30x1.5

KAJ1066-30x1.5-87

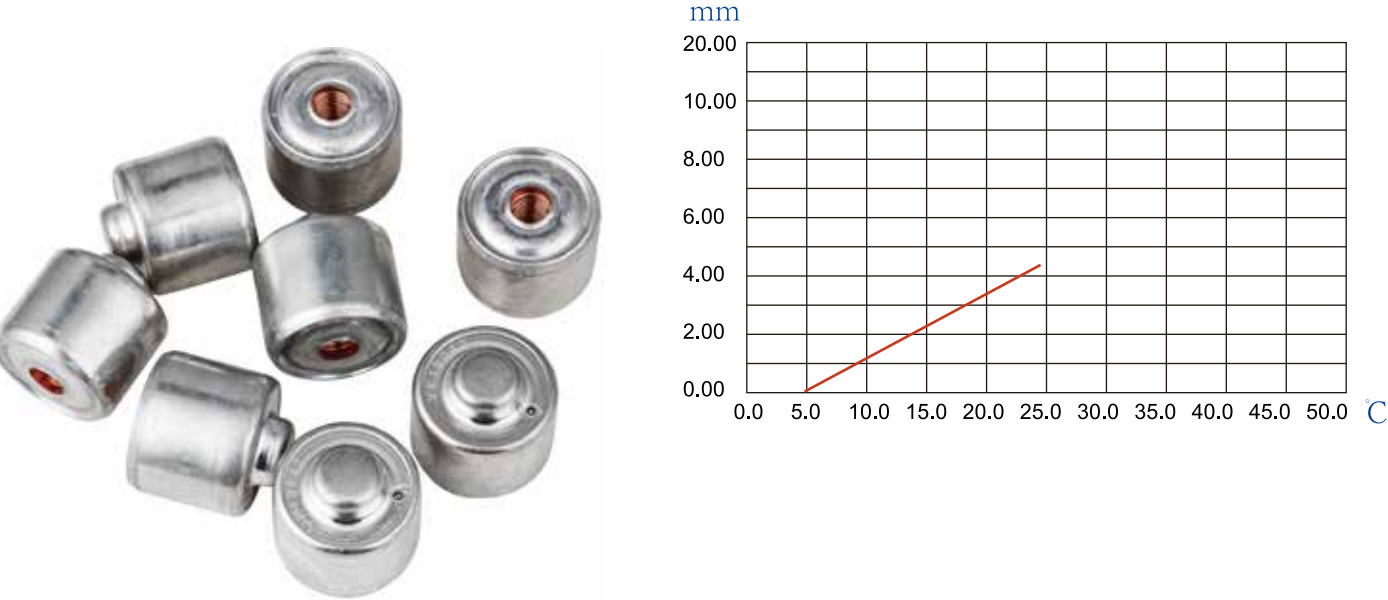
Radiator Catridge



Size
M30x1.5

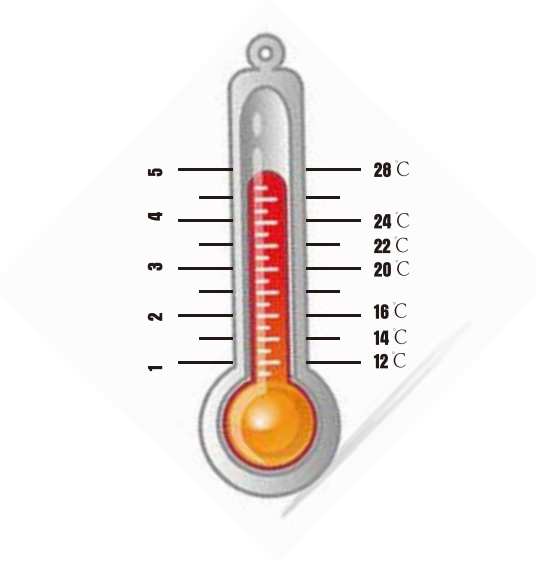
XAJ SERIES TRV LIQUID SENSOR

TECHNICAL INSTRUCTION



Temperature sensor unit is the part of the thermostatic valve that senses the tempera-ture. It is the controller with special liquld. When the temperature change, it will be shrink of expand accordingly, and then push the valve turnon or of, carry out to control temperature automatically. Our company can design and develop and TSU with pre-sitting.

- 1.Working range: 5 °C ~30 °C
- 2.Extension: 0.22mm/k+5% (15 °C ~25 °C)
- 3.Max force: ≤ 120N
- 4.Hysteresis: ≤ 0.3k
- 5.Max sensor temperature: -20 °C ~ 60 °C



- Shower Room
- Workshop or Children room
- sitting room or Restaurant(basic setup)
- Multi-functional Room
- Bedroom
- Room at night
- Stairs hall
- basement(Prevent icing)



KAJ106S-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ216S-J

Classic Lockshield



Size
15mm x 1/2"

KAJ118-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ216B-J

Classic Lockshield



Size
15mm x 1/2"

KAJ106-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ216-J

Classic Lockshield



Size
15mm x 1/2"

KAJ117-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ217-JK-A

Classic Lockshield



Size
15mm x 1/2"

KAJ112S-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ224S-J

Classic Lockshield



Size
15mm x 1/2"

KAJ1002-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ2002-J

Classic Lockshield



Size
15mm x 1/2"

KAJ116A-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ223S-J

Classic Lockshield



Size
15mm x 1/2"

KAJ125J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ244-J

Classic Lockshield



Size
15mm x 1/2"

KAJ116S-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ223S-J

Classic Lockshield



Size
15mm x 1/2"

KAJ132-J

Classic Thermostatic Valve



Size
15mm x 1/2"

KAJ258-J

Classic Lockshield



Size
15mm x 1/2"

XAJ259-J

Classic Radiator Valve



Size
15mm x 1/2"

XAJ267-J

Classic Lockshield



Size
15mm x 1/2"

XAJ223E-J

Classic Radiator Valve



Size
15mm x 1/2"

XAJ223S-J

Classic Lockshield



Size
15mm x 1/2"

XAJ230-J

Classic Radiator Valve



Size
15mm x 1/2"

XAJ231-J

Classic Lockshield



Size
15mm x 1/2"

XAJ223A-J

Classic Radiator Valve



Size
15mm x 1/2"

XAJ223-J

Classic Lockshield



Size
15mm x 1/2"

XAJ223B-J

Classic Radiator Valve



Size
15mm x 1/2"

XAJ223-J

Classic Lockshield



Size
15mm x 1/2"

XAJ217B-J

Classic Radiator Valve



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217-J

Classic Lockshield



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217A-J

Classic Radiator Valve



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217-J

Classic Lockshield



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217B

Classic Radiator Valve



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217

Classic Lockshield



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217A

Classic Radiator Valve



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ217

Classic Lockshield



Size
1/2" x 1/2"
3/4" x 3/4"

XAJ106

Classic Radiator Valve



Size
15mm x 1/2"

XAJ216

Classic Lockshield



Size
15mm x 1/2"



KAJ212P-J

Angled Radiator Valve



Size
15mm x 1/2"

KAJ212P

Straight Radiator Valve



Size
15mm x 1/2"

KAJ277-J

Angled Radiator Valve



Size
15mm x 1/2"

KAJ277

Straight Radiator Valve



Size
15mm x 1/2"

KAJ210P-J

Angled Radiator Valve



Size
15mm x 1/2"

KAJ210P

Straight Radiator Valve



Size
15mm x 1/2"

KAJ251C-J

Angled Radiator Valve



Size
15mm x 1/2"

KAJ251C

Straight Radiator Valve



Size
15mm x 1/2"

KAJ240-J

Angled Radiator Valve



Size
15mm x 1/2"

KAJ240

Straight Radiator Valve



Size
15mm x 1/2"

KAJ427-J	Angled Radiator Valve	KAJ427	Straight Radiator Valve
	Size 15mm x 1/2"		Size 15mm x 1/2"

KAJ208-J	Angled Radiator Valve	KAJ208	Straight Thermostatic Valve
	Size 8mm x 1/2" 10mm x 1/2" 15mm x 1/2"		Size 8mm x 1/2" 10mm x 1/2" 15mm x 1/2"

KAJ428-J	Angled Radiator Valve	KAJ428	Straight Radiator Valve
	Size 15mm x 1/2"		Size 15mm x 1/2"

KAJ273-J	Angled Radiator Valve	KAJ273	Straight Radiator Valve
	Size 1/2" x 1/2"		Size 1/2" x 1/2"

KAJ273A-J	Angled Radiator Valve	KAJ273A	Straight Radiator Valve
	Size 1/2" x 1/2"		Size 1/2" x 1/2"

KAJ273B-J	Angled Radiator Valve	KAJ273B	Straight Radiator Valve
	Size 1/2" x 1/2"		Size 1/2" x 1/2"

KAJ201-J	Angled Radiator Valve	KAJ201	Straight Radiator Valve
	Size 3/8"x3/8" 1/2"x1/2" 3/4"x3/4"		Size 3/8"x3/8" 1/2"x1/2" 3/4"x3/4"

KAJ271-J	Angled Radiator Valve	KAJ271	Straight Radiator Valve
	Size 3/8"x3/8" 1/2"x1/2"		Size 3/8"x3/8" 1/2"x1/2"

KAJ202B-J	Angled Radiator Valve	KAJ202B	Straight Radiator Valve
	Size 3/8"x3/8" 1/2"x1/2"		Size 3/8"x3/8" 1/2"x1/2"

KAJ202A-J	Angled Radiator Valve	KAJ202A	Straight Radiator Valve
	Size 1/2"x1/2" 3/4"x3/4"		Size 1/2"x1/2" 3/4"x3/4"

XAJ2026-J

Angled Radiator Valve



Size
1/2"
3/4"



XAJ2026

Straight Radiator Valve



Size
1/2"
3/4"



XAJ2026-J

Angled Radiator Valve



Size
16mm x 1/2"

XAJ2026

Straight Radiator Valve



Size
16mm x 1/2"

XAJ205P-J

Angled Radiator Valve



Size
8mm x 1/2"
10mm x 1/2"
15mm x 1/2"

XAJ205P

Straight Radiator Valve



Size
8mm x 1/2"
10mm x 1/2"
15mm x 1/2"

XAJ205C-J

Angled Radiator Valve



Size
8mm x 1/2"
10mm x 1/2"
15mm x 1/2"

XAJ205C

Straight Radiator Valve



Size
8mm x 1/2"
10mm x 1/2"
15mm x 1/2"

XAJ278-J

Angled Radiator Valve



Size
10mm x 1/2"
15mm x 1/2"

XAJ278

Straight Radiator Valve



Size
10mm x 1/2"
15mm x 1/2"

XAJ264-J

Angled Radiator Valve



Size
15mm x 1/2"

XAJ264

Straight Radiator Valve



Size
15mm x 1/2"

XAJ205P-J

Angled Radiator Valve



Size
16mm x 1/2"

XAJ205P

Angled Radiator Valve



Size
16mm x 1/2"

XAJ234-W

Radiator Valve with drainer



Size
8mm x 1/2"
10mm x 1/2"
15mm x 1/2"

XAJ208-W

Radiator Valve with drainer



Size
8mm x 1/2"
10mm x 1/2"
15mm x 1/2"

XAJ2021-J

Angled Radiator Valve



Size
10mm x 1/2"

XAJ261

Corner Radiator Valve



Size
15mm x 1/2"

XAJ262

Corner Lockshield



Size
15mm x 1/2"

XAJ238P

Corner Lockshield



Size
15mm x 1/2"

KAJ2051

Corner Lockshield for Electric Heating



Size
16mm x 1/2"

KAJ226P

Corner Lockshield



Size
15mm x 1/2"

KAJ207L-J

Angled Lockshield



Size
1/2"x1/2"

KAJ207L

Straight Lockshield



Size
1/2" x 1/2"

KAJ207P-J

Angled Lockshield



Size
15mm x 1/2"

KAJ207P

Straight Lockshield



Size
15mm x 1/2"

KAJ214-J

Angled Lockshield



Size
3/8"x3/8"
1/2"x1/2"
3/4"x3/4"

KAJ214

Straight Lockshield



Size
3/8"x3/8"
1/2"x1/2"
3/4"x3/4"

KAJ257-J

Angled Lockshield



Size
15mm x 1/2"

KAJ257

Straight Lockshield



Size
15mm x 1/2"

KAJ206-J

Angled Lockshield



Size
3/8"x3/8"
1/2"x1/2"
3/4" x3/4"

KAJ206

Straight Lockshield



Size
3/8"x3/8"
1/2"x1/2"
3/4" x3/4"

KAJ219-J

Angled Lockshield



Size
15mm x 1/2"

KAJ219

Straight Lockshield



Size
15mm x 1/2"

KAJ270-J

Angled Lockshield



Size
3/8"x3/8"
1/2"x1/2"

KAJ270

Straight Lockshield



Size
3/8"x3/8"
1/2"x1/2"

KAJ214A-J

Angled Lockshield



Size
3/8"x3/4"
1/2"x3/4"
3/4" x3/4"

KAJ214A

Straight Lockshield



Size
3/8"x3/4"
1/2"x3/4"
3/4"x3/4"

KAJ2027-J

Angled Lockshield Valve



Size
1/2"
3/4"

KAJ2027

Straight Lockshield Valve



Size
1/2"
3/4"

XAJ201D-J

Angled Lockshield Valve



Size
3/8"x3/8"
1/2"x1/2"

XAJ201D

Straight Lockshield Valve



Size
3/8"x3/8"
1/2"x1/2"

XAJ272-J

Angled Lockshield



Size
3/8"x3/8"
1/2"x1/2"

XAJ272

Straight Lockshield



Size
3/8"x3/8"
1/2"x1/2"

XAJ2027-J

Angled Lockshield



Size
16mm x 1/2"

XAJ2027

Angled Lockshield



Size
16mm x 1/2"

XAJ246A-J

Angled Lockshield



Size
16mm x 1/2"

XAJ141

Convertible Radiator Valve



Size
15mm x 1/2"

XAJ146

Lockshield



Size
1/2"xW24x19

XAJ145

Lockshield



Size
1/2"xW24x19



PRESSURE REDUCING VALVE TECHNICAL INSTRUCTION



Function

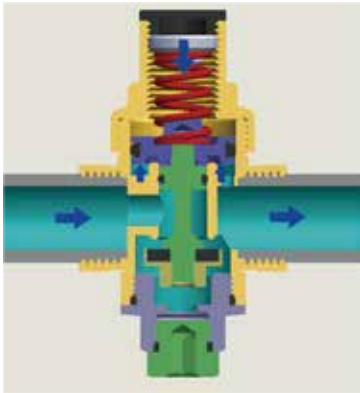
Usually in residential water supply system, the pressure inside is high and unstable. A pressure reducing valve can reduce it and make it stable as well.



Working Theory

The working theory of pressure reducing valve bases on the balance of 2 contrary forces.

1. When the downward force of spring is bigger than the down-stream force, the flow will be turned on.
2. Otherwise, the flow will be shutdown.



Parameter And Construction

Material

Body : Brass
Bonnetts : Brass
Diaphragm : NBR
Gasket : NBR
Filter : Stainless steel
Movable components : Brass

Technical Feature

Incoming pressure : 16bar
Pressure range to exhaust : 1 ~ 6bar
Pre-setting pressure : 3bar
Max working temp : 60°C
Range of pressure gage : 0 ~ 10bar
Applicable medium: water
Thread for pressure gage : 1/4' ' F



KAJ603F



Pressure Reducing Valve

Size
1/2"
3/4"
1"

KAJ605



Pressure Reducing Valve

Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"

KAJ603



Pressure Reducing Valve

Size
1/2"
3/4"
1"

KAJ613



Pressure Reducing Valve

Size
15mm x 15mm
22mm x 22mm

KAJ602



Pressure Reducing Valve

Size
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

KAJ605A



Pressure Reducing Valve

Size
1/2" x 1/2"
3/4" x 3/4"

KAJ604



Pressure Reducing Valve

Size
1/2" x 1/2"
3/4" x 3/4"

KAJ615



Automatic Filling Valve

Size
1/2" x 1/2"

KAJ621



Pressure Reducing Valve

Size
1/2" x 1/2"
3/4"x3/4"
1"x1"

KAJ614



Automatic Filling Valve

Size
1/2" x 1/2"

KAJ627



Pressure Reducing Valve

Size
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

KAJ626



Pressure Reducing Valve

Size
1/2" x 1/2"

SAFETY VALVE TECHNICAL INSTRUCTION



Function

A safety valve is a valve that automatically releases a substance in heating system, air conditioning, heat accumulation type hot water system, irrigation system and hot-pressure controlling system.



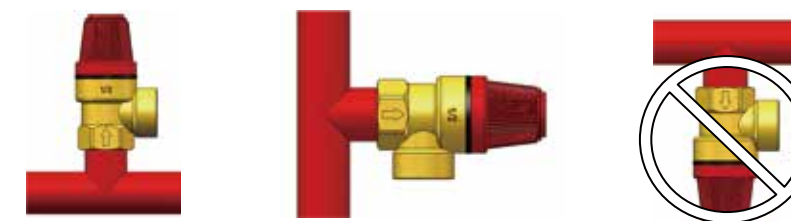
Parameter And Construction

Material	Technical Feature
Body : Brass	Max exhaust capacity : 15%
Bonnet : Brass /PA6G30	Shutdown pressure : 15%
Rod : Brass	Applicable medium: water / air
Gasket : EPDM	Max working temp : 5-110°C
Spring : Carbon steel	Setting pressure : 1~10bar
Handle : ABS/PA6G20	Thread for pressure gage : 1/4' ' F



Use And Instruction

1. Safety valve must be installing by professional installer.
2. Safety valve can be installed vertically or horizontally, but no inverted.



3. Each safety valve has flow direction mark, which need be strictly followed during installation.
4. The outlet of safety valve must be connected with pipe, to avoid the damage or harm cause by water in the high temperature and high pressure system.
5. On the outlet of safety valve, there must has an anti-siphon funnel, not only to check out the working situation of safety valve, but also to prevent the inverted impulse siphoning.



KAJ607

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ608

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ612

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ612M

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ609

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ610

Safety Relief Valve



Size
1/2" x 1/2"

KAJ609A

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ610A

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

KAJ631

Safety Relief Valve



Size
1/2" x 1/2"

KAJ625

T/P Relief Valve



Size
1/2" x 15mm
3/4" x 22mm

KAJ953

Safety Group



Size
1/2"x1"

KAJ954

Safety Group



Size
1/2"x1"

KAJ941

Safety Group



Size
1/2"x1"
3/4"x1"

KAJ955

Safety Group



Size
3/4"x1"

KAJ957

Safety Group



Size
1/2"
3/4"

KAJ956

Safety Group



Size
1/2"
3/4"

KAJ952

Safety Group



Size
1" x 1"

KAJ950

Safety Group



Size
3/4" x 3/4"

KAJ616

Safety Relief Valve



Size
1/2" x 1/2"
3/4" x 3/4"

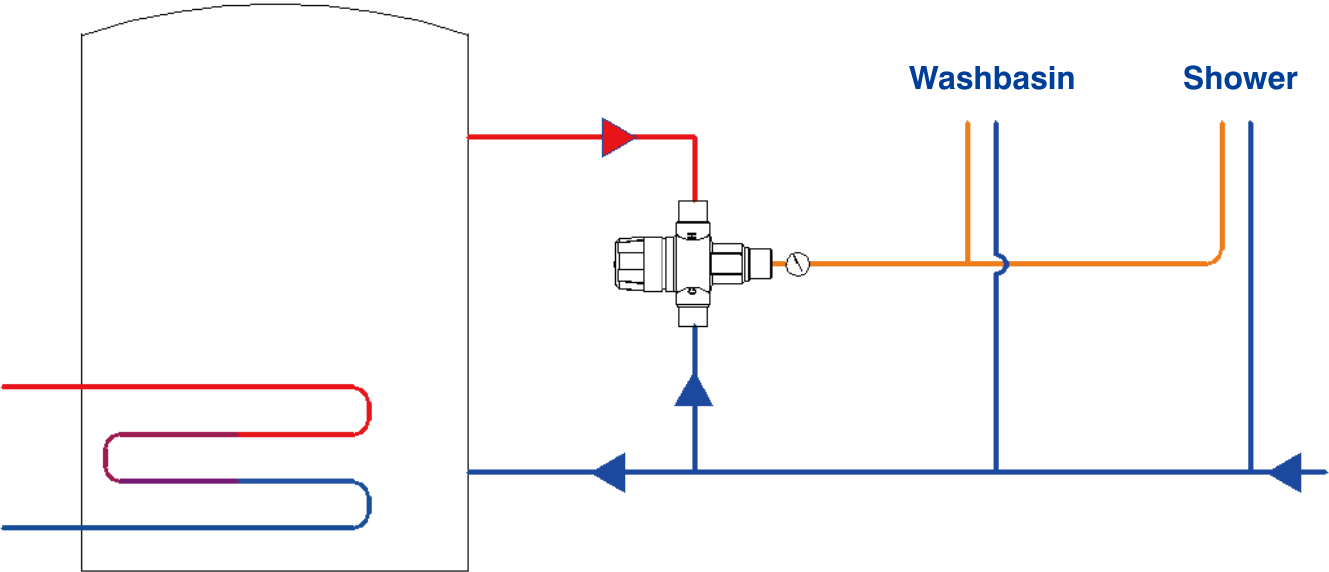
KAJ618

Safety Relief Valve



Size
1/2" x 1/2"

THERMOSTATIC MIXING VALVE



Product feature

The thermostatic mixing valve is used to maintain the domestic hot water supplied to the user at a comfortable and safe temperature, when there have variations in the hot and cold water supply.

The valve is also equipped with an anti-scald safety function which immediately shuts off the flow of hot water in the event of a failure in the cold water supply. The fail-safe design can shut off the mixed water flow automatically in the event of stopping the hot water supplying to the valve.

XAJ136

Thermostatic Mixing Valve



Size
1/2"
3/4"
1"
1 1/4"

XAJ137

Thermostatic Mixing Valve



Size
1/2"
3/4"
1"
1 1/4"

XAJ136H

Thermostatic Mixing Valve



Size
1/2" x 3/4"
3/4" x 1"
1 1/4" x 1 1/4"

XAJ137H

Thermostatic Mixing Valve



Size
1/2" x 3/4"
3/4" x 1"
1 1/4" x 1 1/4"

XAJ1310

Thermostatic Mixing Valve



Size
15mm
22mm
28mm

XAJ1320

Thermostatic Mixing Valve



Size
15mm
22mm
28mm

XAJ1332

Thermostatic Mixing Valve



Size
1/2"

XAJ1333

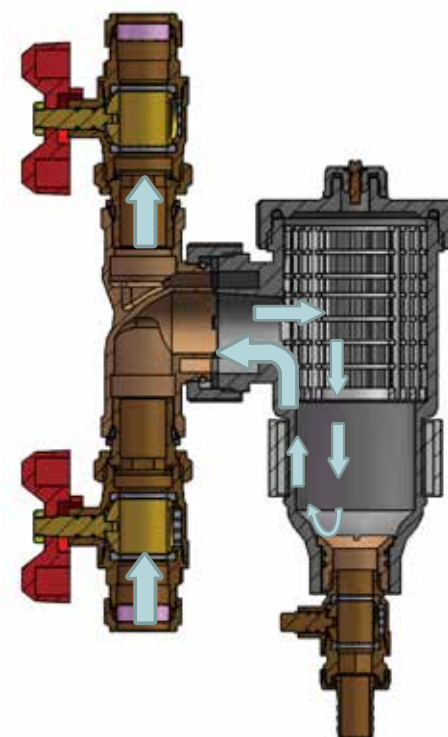
Thermostatic Mixing Valve



Size
3/4"

MAGNETIC FILTER

Dirt separator with magnet
 Easily for installation and cleaning
 High rate of removes for dirt
 Unique dual flow
 No Block
 Technical body
 Different connection ways adjustable for horizontal
 On line installation
 Superior collection capacity
 Easy access for chemical dosing



PRODUCT FEATURE

The MAGNETIC FILTER is obtained by coupling a dirt separator and a cartridge strainer assembled in kit.
 The water circulating in the system flows in sequence, first through the dirt separator and then through the cartridge strainer. The dirt separator separates the impurities contained in the water by the action of the internal element.
 Ferrous impurities are also trapped inside the body of the device due to the action of the two magnets inserted in a special removable outer ring.
 The first passage through the dirt separator makes it possible to separate a high percentage of the impurities in the circulating water, down to minimal particle sizes.
 The cartridge strainer separates impurities due to mechanical selection of the particles in accordance with their size, which is a special metal mesh.
 All the particles with diameter bigger than the mesh size are automatically stopped and separated, with maximum separation efficiency at the first passage.

XAJ747 MAGNETIC FILTER

- Glass reinforced nylon canister body
- With SS mesh guard, holds all impurities and debris of ferrous and not ferrous nature inside the water
- Extension of boiler and circulation life
- Reduction of fuel consumption
- Max.working pressure: 4 Bar
- Working temperature range: 0 to 90°C
- Magnet: 9000G
- Connections 3/4" female



XAJ745 MAGNETIC FILTER

- Glass reinforced nylon canister body
- With SS mesh guard, holds all impurities and debris of ferrous and not ferrous nature inside the water
- Extension of boiler and circulation life
- Reduction of fuel consumption
- Max.working pressure: 4 Bar
- Working temperature range: 0 to 90°C
- Magnet: 9000G
- Connections 3/4" female



XAJ749 MAGNETIC FILTER

- Glass reinforced nylon canister body
- With SS mesh guard, holds all impurities and debris of ferrous and not ferrous nature inside the water
- Extension of boiler and circulation life
- Reduction of fuel consumption
- Max.working pressure: 4 Bar
- Working temperature range: 0 to 90°C
- Magnet: 9000G
- Connections 3/4" female

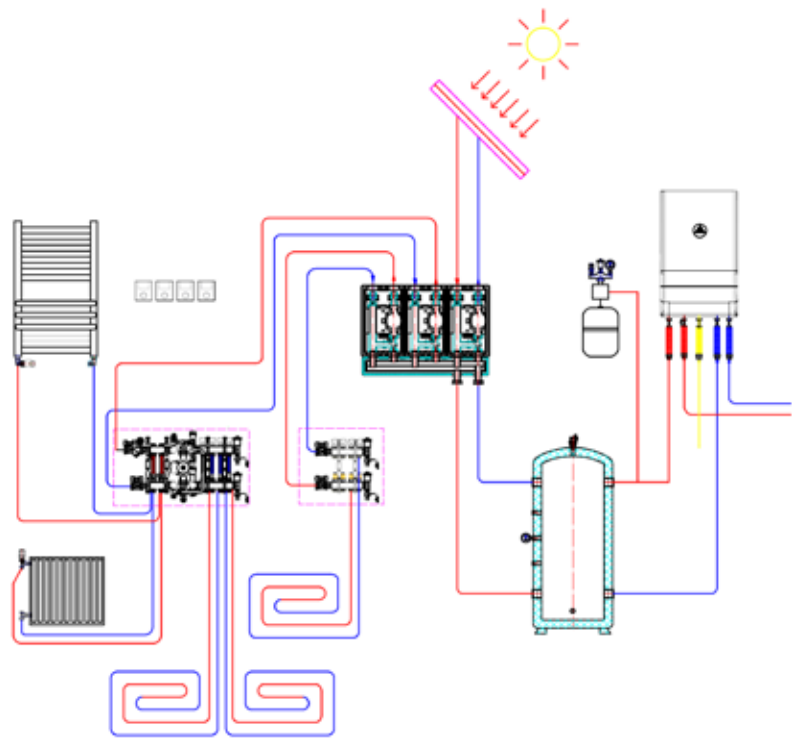


XAJ748 BOILER DESCALER

- Pressione max./Max pressure: 10 Bar
- Perdite carico/Pressure loss: 0 , 2 Bar
- Temp.aqua/Water temp: 5-40°C
- Temp.ambiente/Room temp : 5-50°C



Thermostatic Regulating System



Villa and apartment stratified partial pressure hydraulic balance heating solution system

Description: Mainly used for large-scale heating, villas and apartment heating, domestic hot water systems, effectively solve the deficiency in heating of towel rack, floor heating, domestic hot water, as well as the uneven distribution of heat and water pressure and other issues.

- 1.Using multiple source heats as a heat source in winter, take good use of the heating of underground water and heat pump host to distribute the different temperature and flow demand, reasonably and evenly deliver the heat to heating facilities in each floor and room, like heat sink, towel rack, floor heating, domestic hot water.
- 2.The independence of temperature and operating time, centralized control and efficient management, meeting the needs of various heating requirements, which solves the shortage of temperature difference and water pressure in the large-sized villas’ heating and large-areas’ heating
- 3.The whole idea of system design contains high efficiency, sophisticated, high security, high stability of the technical connotation, which put the newest technology into every link of the system and achieve the using effect of safely, energy-saving and comfortably.
- 4.Better in sustainability of energy, carbon-free environment protection and 20% in energy-saving, greatly improve the efficiency of energy management.

XAJ9001 Thermostatic Regulating Unit Size DN25 	XAJ9002 Thermostatic Regulating Unit Size DN25 
XAJ9003 Thermostatic Regulating Unit Size DN25 	XAJ9010 Thermostatic Regulating Unit Size DN25 
XAJ1331 Thermostatic Regulating Unit Size DN20 	XAJ1330 Thermostatic Regulating Unit Size DN20 



KAJ9005
PUMP STATION DN25 SERIES

Size
DN25



KAJ9006
PUMP STATION DN25 SERIES

Size
DN25



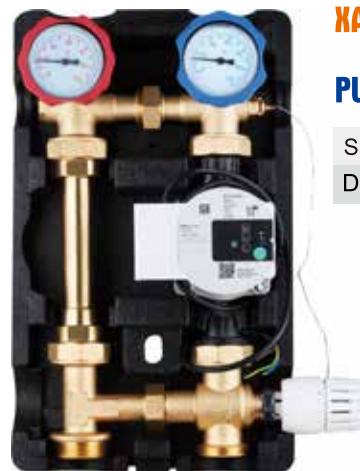
KAJ9007
PUMP STATION DN25 SERIES

Size
DN25



KAJ9008
PUMP STATION DN25 SERIES

Size
DN25



KAJ9009
PUMP STATION DN25 SERIES

Size
DN25



KAJ752
Off-center By-pass Kit

Size
1/2 x 1"



KAJ8002FM
**MULTI-FUNCTION
THERMOSTATIC REGULATOR**

Size
3/4" x 3/4"



KAJ8002FF
**MULTI-FUNCTION
THERMOSTATIC REGULATOR**

Size
3/4" x 3/4"



KAJ622
PRE-ADJUSTABLE BY-PASS VALVE

Size
1/2" x 3/4"



KAJ611
By-pass Valve

Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"



KAJ624
ANTI-FREEZE VALVE

Size
1" x 1"



KAJ8001
STATIC BALANCING VALVE

Size
1/2" x 1/2"
3/4" x 3/4"
1" x 1"
1 1/4" x 1 1/4"
1 1/2" x 1 1/2"
2" x 2"



KAJ623
ANTI SHOCK WATER HAMMER ARRESTER

Size
1/2"



KAJ912
Safety Group

Size
3/4" x 3/4"



KAJ750
UNDER-BOILER FILTER

Size
DN20



KAJ8004
AUTOMATIC BALANCING VALVE

Size
1/2" x 1/2"

Dynamic Distribution Manifold

Max. working pressure: 6 bar.

Temperature range: 5-60°C

Outlet center distance: 50 mm.

Function and Feature

A dynamic distribution manifold can regulate the thermal medium independent from the pressure in the individual circuits of underfloor heating systems, to achieve automatic dynamic balancing.

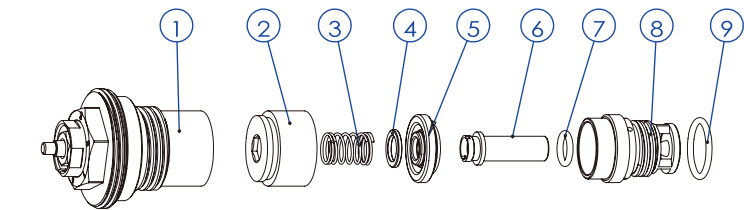
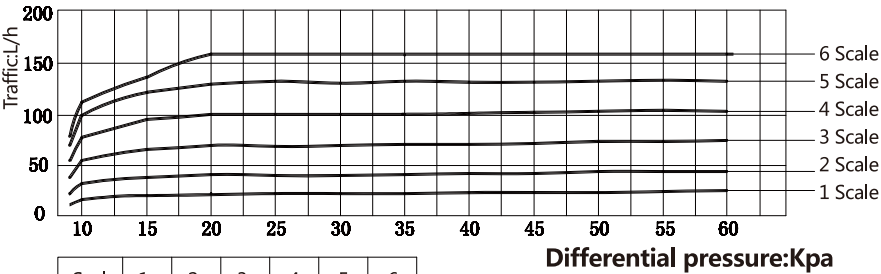
Flow manifold complete with shut-off valves or flow indicators.

Flow manifold complete with dynamic distribution balancing units, which can adjust and balance the flow rate.

Retrun manifold complete with thermo-electric control head, which can adjust flow rate when the room temperature changes.

A dynamic distribution manifold fits to underfloor heating system and make it more comfortable and energy-efficient.

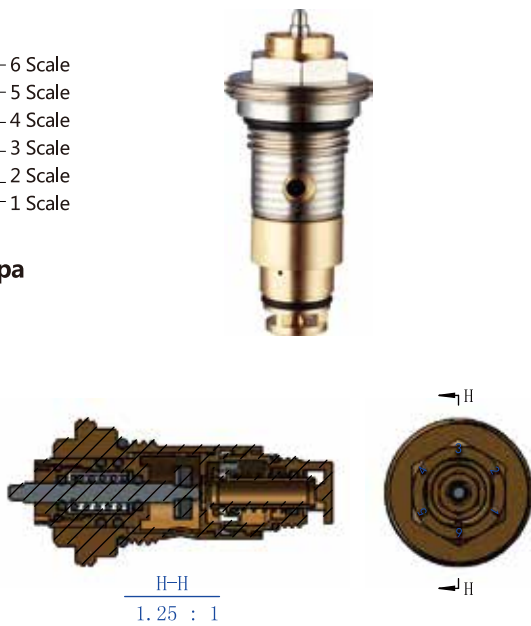
Flow chart



NO	name	Material
1	Spool Assembly	Brass/SUS304/EPDM
2	upper seat	Brass
3	spring	SUS304
4	metal gasket	Brass
5	rubber diaphragm	EPDM
6	piston	Brass
7	O-ring	EPDM
8	lower valve seat	Brass
9	O-ring	EPDM

Features

- Dynamic Balancing: constant flow is achieved through the valve cartridge' s auto-adjustment of the opening rate when ΔP of the system fluctuates
- Precision calibrated valve plug keeps the flow deviation no greater than ±5%
- The flow rate is factory preset multiple ΔP ranges available for each size
- No need of re-balancing after system changes



XAJ7203



Dynamic SS Manifold

Size

- 1" x 3/4" x 2
- 1" x 3/4" x 3
- 1" x 3/4" x 4
- 1" x 3/4" x 5
- 1" x 3/4" x 6
- 1" x 3/4" x 7
- 1" x 3/4" x 8
- 1" x 3/4" x 9
- 1" x 3/4" x 10
- 1" x 3/4" x 11
- 1" x 3/4" x 12

XAJ7206



SS Manifold

Size

- 1" x 3/4" x 2
- 1" x 3/4" x 3
- 1" x 3/4" x 4
- 1" x 3/4" x 5
- 1" x 3/4" x 6
- 1" x 3/4" x 7
- 1" x 3/4" x 8
- 1" x 3/4" x 9
- 1" x 3/4" x 10
- 1" x 3/4" x 11
- 1" x 3/4" x 12

XAJ7202



Dynamic SS Manifold

Size

- 1" x 3/4" x 2
- 1" x 3/4" x 3
- 1" x 3/4" x 4
- 1" x 3/4" x 5
- 1" x 3/4" x 6
- 1" x 3/4" x 7
- 1" x 3/4" x 8
- 1" x 3/4" x 9
- 1" x 3/4" x 10
- 1" x 3/4" x 11
- 1" x 3/4" x 12

XAJ7205



SS Manifold

Size

- 1" x 3/4" x 2
- 1" x 3/4" x 3
- 1" x 3/4" x 4
- 1" x 3/4" x 5
- 1" x 3/4" x 6
- 1" x 3/4" x 7
- 1" x 3/4" x 8
- 1" x 3/4" x 9
- 1" x 3/4" x 10
- 1" x 3/4" x 11
- 1" x 3/4" x 12

XAJ7201



Dynamic SS Manifold

Size

- 1" x 3/4" x 2
- 1" x 3/4" x 3
- 1" x 3/4" x 4
- 1" x 3/4" x 5
- 1" x 3/4" x 6
- 1" x 3/4" x 7
- 1" x 3/4" x 8
- 1" x 3/4" x 9
- 1" x 3/4" x 10
- 1" x 3/4" x 11
- 1" x 3/4" x 12

XAJ7204



SS Manifold

Size

- 1" x 3/4" x 2
- 1" x 3/4" x 3
- 1" x 3/4" x 4
- 1" x 3/4" x 5
- 1" x 3/4" x 6
- 1" x 3/4" x 7
- 1" x 3/4" x 8
- 1" x 3/4" x 9
- 1" x 3/4" x 10
- 1" x 3/4" x 11
- 1" x 3/4" x 12

KAJ711

Manifold



Size
1/2x3/4x2
1/2x3/4x3
1/2x3/4x4
1/2x3/4x5
1/2x3/4x6
1/2x1x2
1/2x1x3
1/2x1x4
1/2x1x5
1/2x1x6

KAJ719

Manifold



Size
16mm x 3/4 x 2
16mm x 3/4 x 3
16mm x 3/4 x 4
16mm x 3/4 x 5
16mm x 3/4 x 6

KAJ713

Manifold



Size
16mm x 3/4 x 2
16mm x 3/4 x 3
16mm x 3/4 x 4
16mm x 3/4 x 5
16mm x 3/4 x 6

KAJ714

Manifold



Size
1/2x3/4x2
1/2x3/4x3
1/2x3/4x4
1/2x3/4x5
1/2x3/4x6
1/2x1x2
1/2x1x3
1/2x1x4
1/2x1x5
1/2x1x6

KAJ802A-J

H Valve



Size
1/2" x 3/4"

KAJ802A

H Valve



Size
1/2" x 3/4"

KAJ802B-J

H Valve



Size
1/2" x 3/4"

KAJ802B

H Valve



Size
1/2" x 3/4"

KAJ811

H Valve



Size
1/2" x 3/4"

KAJ802C

H Valve For Single



Size
1/2" x 3/4"

KAJ744-R

Ball Valve with Meter



Size
DN25

KAJ744-B

Ball Valve with Meter



Size
DN25

KAJ922-J-R

Ball Valve with Meter



Size
16mm x 3/4"

KAJ922-J-B

Ball Valve with Meter



Size
16mm x 3/4"

KAJ742

Flow End Fitting



Size
1/2"x1"

KAJ724

Flow End Fitting



Size
1/2"x1"

KAJ725

Flow End Fitting



Size
1/2"x1"

KAJ743

Flow End Fitting



Size
1/2"x1"

KAJ751

PPR Ball Valve



Size
DN25

KAJ746 Bracket





AIR VENT VALVE TECHNICAL INSTRUCTION



Function

Air vent valve is used to exhaust air automatically in heating system, air conditioning and cooling system.

Automatic exhausting avails to improve thermal efficiency, and prevent oxide etch, air bags, cavitations of circulating pump and noise in pipe in system.



Parameter And Construction

Material

Body : Brass

Cap : Brass

Floater : PP

Gasket : EPDM

Spring : Stainless steel

Technical Feature

Max working pressure : 10bar

Max exhaust pressure : 15%

Applicable medium : Water / ethylene glycol solution

Max working temperature : 110°C



Use And Instruction

1. Air vent valve should be installed in the top of system, manifold and other places where air bags can be formed. The cap need be loosened a circle.
2. Air vent valve should not be installed in places that can be tested hardly or get frozen easily.
3. Air vent valve can be installed vertically or horizontally, but no inverted.



KAJ503

Air Vent



Size
3/8"
1/2"
3/4"

KAJ512

Air Vent



Size
3/8"
1/2"
3/4"

KAJ503A

Air Vent



Size
3/8"
1/2"
3/4"

KAJ513

Air Vent



Size
3/8"
1/2"
3/4"

KAJ503B

Air Vent



Size
3/8"
1/2"
3/4"

KAJ504

Air Vent



Size
3/8"
1/2"
3/4"

KAJ514

Air Vent



Size
3/8"
1/2"
3/4"

KAJ504A

Air Vent



Size
15mm x 1/2"

KAJ502

Air Vent



Size
1/2"
3/4"
1"

KAJ506

Air Vent



Size
3/8"
1/2"
3/4"

KAJ508

Air Vent



Size
3/8"
1/2"
3/4"

KAJ501

Air Vent



Size
1/2"
3/8"

KAJ505

Air Vent



Size
3/8" x 3/8"
1/2" x 1/2"
3/4"x3/4"

KAJ525

Air Vent



Size
3/8" x 3/8"
1/2" x 1/2"

KAJ526

Air Vent



Size
3/8"
1/2"
3/4"

KAJ524

Air Vent



Size
3/8" x 3/8"
1/2" x 1/2"

KAJ527

Air Vent



Size
3/8"
1/2"
3/4"

KAJ523

Air Vent



Size
3/8"
1/2"
3/4"

KAJ903

Wall Stay



KAJ902

Sleeves and plates



YK902-15
YK902-18
YK902-22

KAJ051

Brass Fitting



Size	DN
3/4"	Φ14
3/4"	Φ16
3/4"	Φ18
3/4"	Φ20

KAJ050

Brass Fitting



Size	DN
3/4"	Φ16
3/4"	Φ17
3/4"	Φ20

KAJ052

Brass Fitting



Size	DN
3/4"	Φ12
3/4"	Φ14
3/4"	Φ15
3/4"	Φ16
3/4"	Φ17

KAJ020



KAJ021



KAJ022



KAJ023



KAJ024



KAJ025



KAJ026



KAJ002



KAJ003



KAJ080

Radiator Accessories



Size
1/2"x1"
3/4"x1"

KAJ081

Radiator Accessories



Size
1/2"x1"
3/4"x1"



KAJ7601
STAINLESS STEEL HYDRAULIC
BALANCING TANK

Size
20x20x20
25x25x25



KAJ7602
STAINLESS STEEL HYDRAULIC
BALANCING TANK

Size
1"



KAJ7603
STAINLESS STEEL HYDRAULIC
BALANCING TANK

Size
1"



KAJ7604
EXPANSION VESSEL