



May the long time sun Shine upon you,
And the pure light within you, Guide your way on.



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HAPPYLIFE INDUSTRY CORP. LTD.

ABOUT HAPPYLIFE

HAPPYLIFE INDUSTRY CORP. LTD. is an industrial corporation, which involves in integrating designing, manufacturing, marketing and service on heating and sanitary lines. HAPPYLIFE was established in 1986, head office is located in Cardiff, UK, and factory is located in Ningbo, China.

HAPPYLIFE is dedicated to applying hi-tech to our products and brand-new idea to research. HAPPYLIFE pursues "six-heart" management conception with conscientious administration and production, high quality, fast delivery, satisfying service to reassure our clients, we provide you China most competitive and good quality products.

HAPPYLIFE clarifies the products from function and outlook according to your requirements, all our products are provided with detailed instruction.

HAPPYLIFE insists on high quality products and services, we expect to be your friend forever, we will fulfill our promises sincerely.

CULTURE

VISION

To become a well-known enterprise in the world on HVAC and SANITARY business

MISSION

Relying on our professional products and service, to improve environment for the people

VALUES

Integrity Responsible Participation
Thanksgiving longinquity



History

2023	HAPPYLIFE has successfully developed world-wide market, supplies 30000+ items of heating & sanitary lines to 80+ countries in 5 continents.
2014	After many years of industrialization highly developing in sea board areas of china, the cost on labours increased too much, HAPPYLIFE responds the government's call on low-carbon & energy saving, replaces with automatic equipments, sets up research and development center, works specially on high lever hydronic solutions in china and all other countries,trying to make effortson building comfortable & healthy environment for the people.
2010	Ventitek trademark registration completed.
2009	Economic crisis happened all over the world in 2009, the economicof china was still much better than other countries, HAPPYLIFE starts marketing in china for Ventitek hydronic solutions.
2006	HAPPYLIFE INDUSTRY CORP. LTD. head office was set up in Cardiff, UK, starts to scheme world marketing and develop complete series of products for Ventitek hydronic solutions.
1998	HAPPYLIFE starts exporting sanitary and heating products to all over the world, china is called as "world manufacturer" due to huge exporting, HAPPYLIFE is a part of the "world manufacturers".
1986	Factory was established, HAPPYLIFE developed series of valves products, for water heaters and gas burners, sold in west-southern cities of china.



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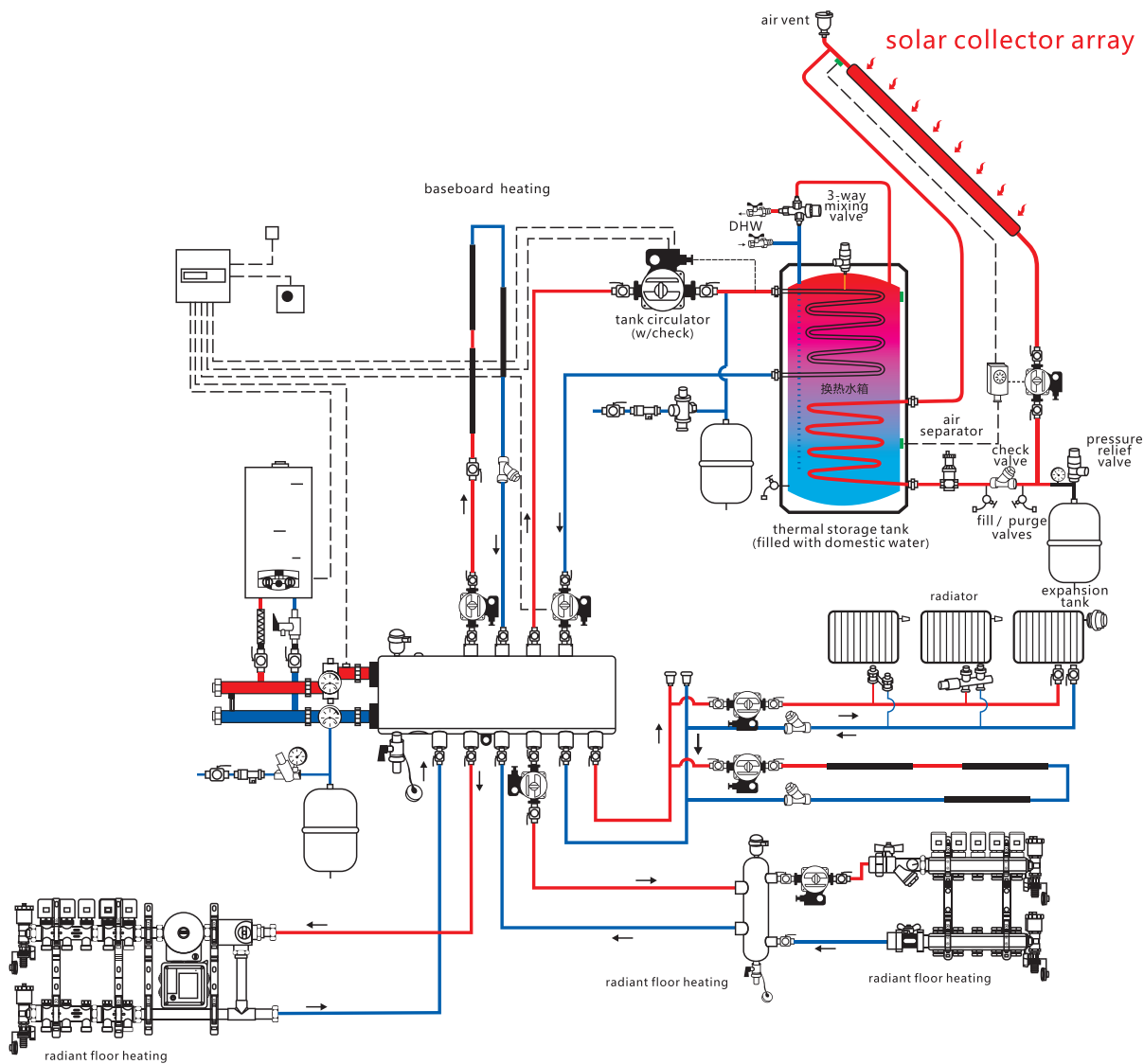
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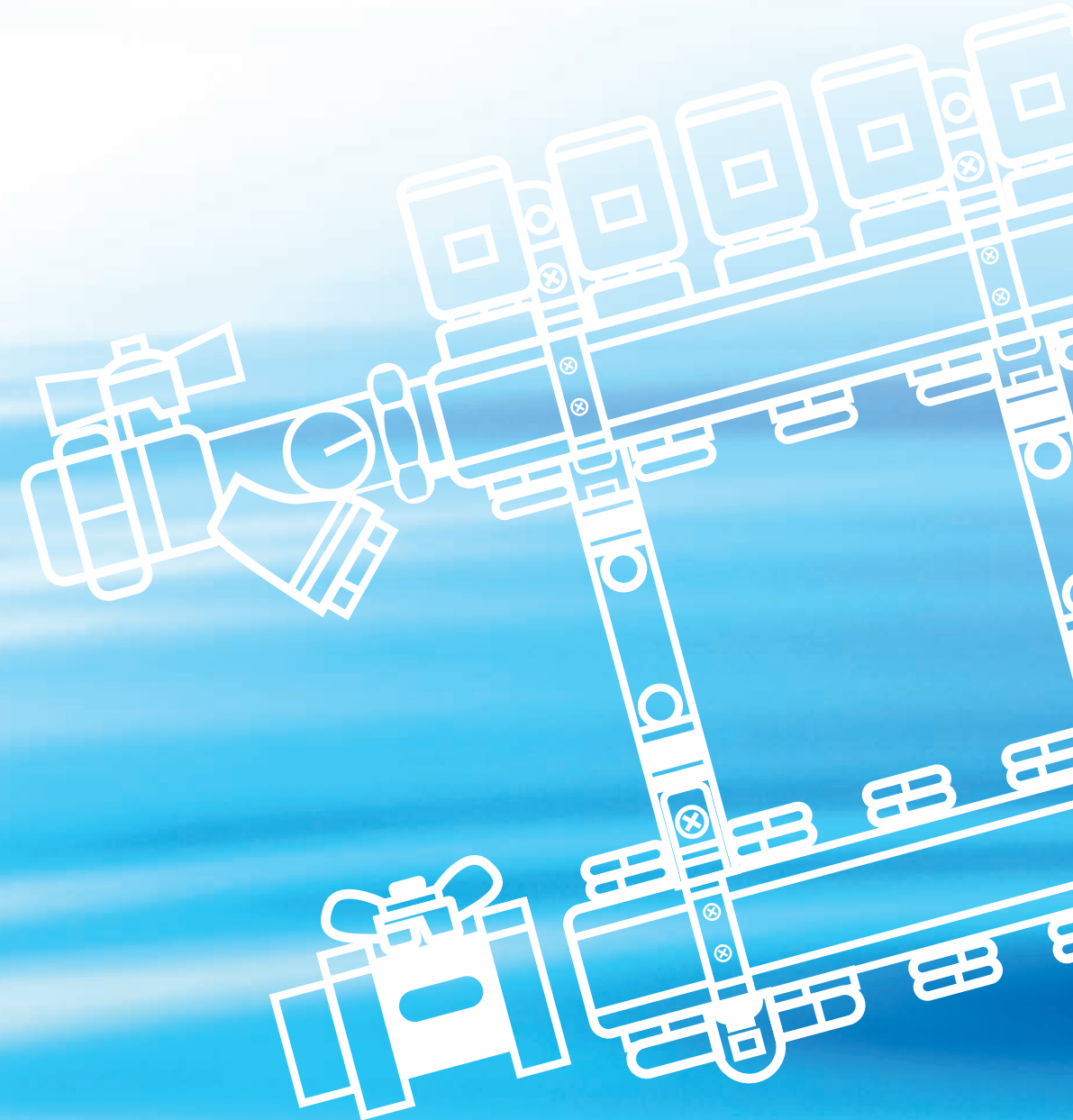
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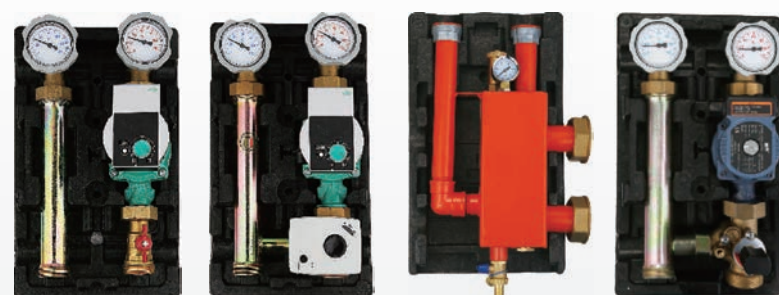
Graphic Solution for Heating System



1 Heating Distribution System & Fittings



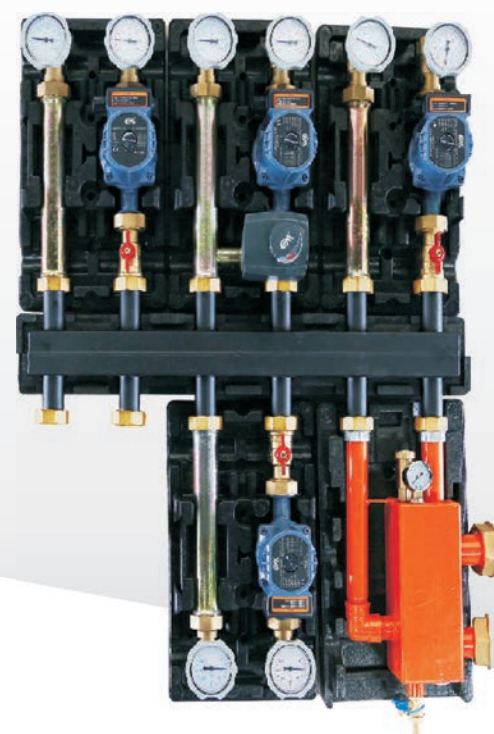
HEATING DISTRIBUTION SYSTEM & FITTINGS



23AD0101 23AD0102 23AD0103 23AD0104



23AD0105 23AD0106 23AD0107 23AD0108



Advanced heating distribution system

Product advantage:

Modular heating and heat distribution system designed for singlefamily and town houses, time-saving and labor-saving installation. All modules are pre-assembled and sealed in our own factory, direct installation on the construction site, eliminating the need for cumbersome work and compact structure, save installation space, high quality EPP packaging, reduce heat loss, beautiful appearance, all possible system installations can achieve rich application possibilities through building block connection, suitable for medium and low power heating systems, such as high temperature radiator heating, low temperature surface auxiliary heating, anti-condensation, various separations such as system separation follow the advanced system design concept of Germany, more even distribution of heat, easy stratification and zone control of the heating system of the villa, saving energy and easy maintenance.

Technology data:

Nominal diameter: DN25
Upper nozzle G1": Female Thread
Lower nozzle G1-1 1/2": Male Thread (Flat seal)
Nozzle spacing: 125mm
Maximum working temperature: 110°C
Working pressure: PN6
Pump installation length: 180mm
Thermometer range: 0-120°C
Kvs: 9.7m³/h (Direct circulation pump set)
Kvs: 6.5h (Mixed water circulation pump set)



23M0701



23M0702



23M0703



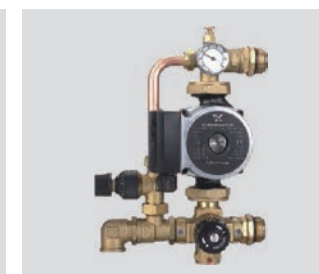
23M0704



23M0705



23M0706



23M0707



23M0708



23M0709



23M0710



23M0711



23M0712

23M0701

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0702

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0703

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0704

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0705

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0706

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0707

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0708

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0709

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0710

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

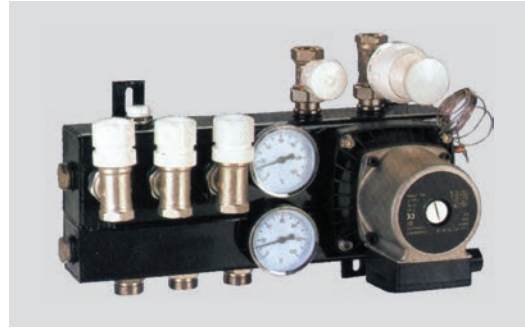
23M0711

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

23M0712

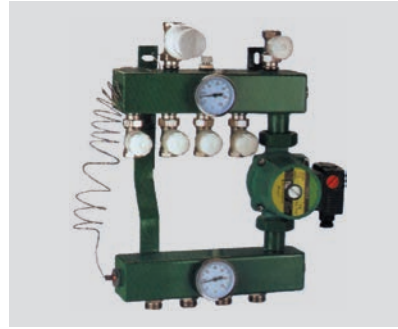
Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

PUMP MIXING SETS



23M0713

Compositive Manifolds
Size: 1/2"x3/4"



23M0714

Compositive Manifolds
Size: 1/2"x3/4"



23M0715

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 3/4"x1"



23M0716

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 3/4"x1"



23M0717

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M0718

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M0719

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M0720

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M0721

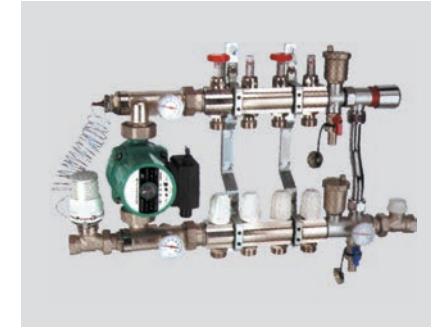
Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M0722

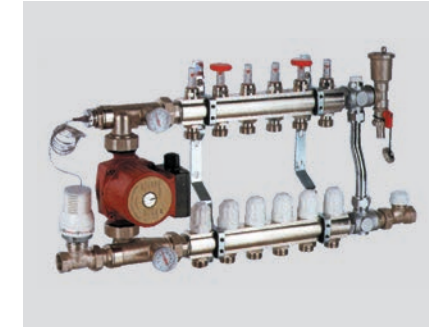
Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"

COMPOSITIVE MANIFOLDS



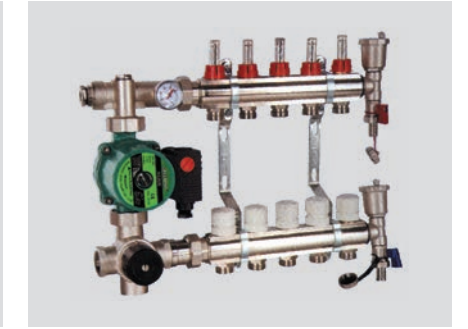
23M0601

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



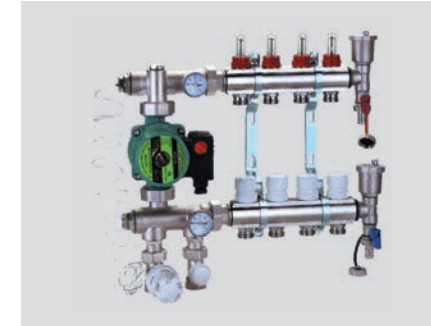
23M0602

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



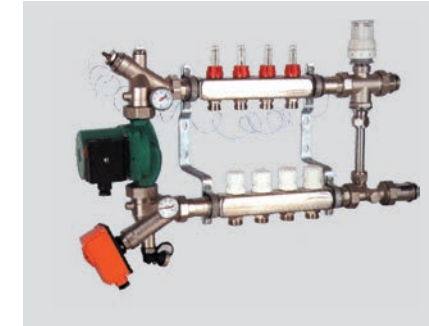
23M0603

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



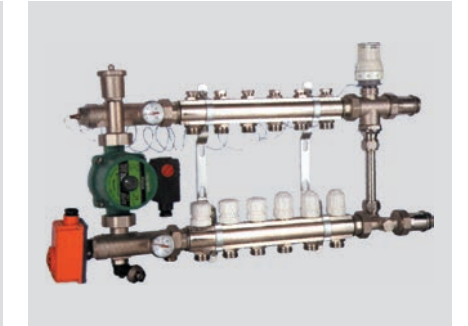
23M0604

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



23M0605

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



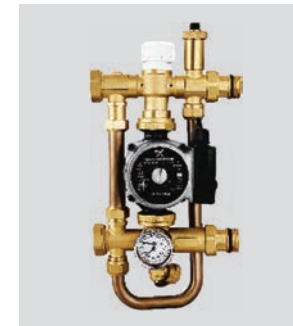
23M0606

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



23M0607

Compositive Manifolds
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Ways: 2-12
Size: 1"x3/4"x18mm



23M0723

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M00724

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23M00725

Pump Mixing System
Brass body
Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: 0-100°C
Threaded ISO228/1
100% leakage tested
Size: 1"



23VT0101

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VT0102

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VT0103

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VT0104

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VT0105

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0101

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0102

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0103

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0104

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0105

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0106

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0107

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0108

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0109

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0110

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0111

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0112

Straight ball valve with thermometer
Forged brass body Sand blasting and nickel plated
Nominal pressure: max 10bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1", 1 1/4"



23VE0113

End valve for manifolds
Size: 1"



23VE0114

End valve for manifolds
Size: 1"



23VE0115

Drain Valve
Size: 3/4", 1/2"



23VE0116

Drain Valve
Size: 3/4", 1/2"



23MP0101

Connector for recycle pump
Size: 1"



23MP0102

Connector for recycle pump
Size: 1"



23MP0103

3-way for end of manifolds
Size: 1"x1/2"



23MP0104

Drain valve
Size: 1/2"



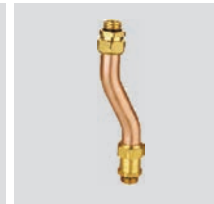
23MP0105

Brass connector
size: 1/2"x3/4"



23MP0106

Brass connector
size: 1/2"x3/4"



23MP0107

Brass bridge for By-Pass Valve



23MP0108

Brass bridge for By-Pass Valve



23MP0109

Lockshield valve
Size: 1/2"x3/4"



23MP0110

Thermostatic core
Size: 1/2"x3/4"



23MP0111

Lockshield valve
Size: 1/2"x3/4"



23MP0112

Flow meter
Size: 1/2"x3/4"



23MP0113

Flow meter
Size: 1/2"x3/4"



23MP0114

Magnetic flowmeter
Size: 1/2"x3/4"



23MP0115

Brass blind plug
Size: 1", 1 1/4", 1-1/2"



23MP0116

Brackets for manifolds



23MP0117

Brackets for manifolds



23MP0118

Brackets for manifolds



23MP0119

Brackets for manifolds



23MP0120

Brackets for manifolds



23MP0121

Compression nut
Size: 1/2"x16, 3/4"x16, 3/4"x18, 3/4"x20



23MP0131

Thermometer
Size: 1/4", 1/2"



23MP0132

Pressure gauge
Size: 1/4", 3/8", 1/2"



23MP0133

Pressure gauge with thermometer
Size: 1/4", 3/8", 1/2"



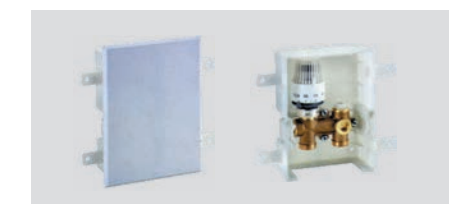
23MP0141

Cabinet for manifolds
Size: 400x450x150, 600x450x150, 800x450x150, 1000x450x150



23MP0151

Room temperature control valve
Size: 3/4"x18



23MP0152

Room temperature control returnvalve
Size: 3/4"x18



Thermostat
Power source : AC220V 50/60Hz
Maximum load electric current : 3A/230VAC
Room temperature setting range: 5°C-35 °C
Accuracy: 0.1°C

Working environment temperature: 0°C- 50°C
Floor protect temperature : 20°C-45°C
The storage temperature: -10°C-60°C
Dimensions: 88mm × 88mm×13mm

Immersion Type Temperature Controller
Size: 1/2"

Paste Type Temperature Controller
Size: 1/2"



23TE0101
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0102
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0103
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0104
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing



23TE0105
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0106
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0107
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0108
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing

23TE0109
Thermostatic Electric Actuator
Opera.voltage:230 V AC 50/60 Hz
Power cons.: 2 W
Switch-on curr.: max.300 mA
Protection: Class II Ip54
Storage temp.:25°C-65°C
Rel.Humidity: max.80% non condensing



23RT0101
Electronic Radiator Thermostat
Power: 2*AA* 1.5V alkaline batteries
Display accuracy: 0.5°C
Probe sensor: NTC(10k)1%
Working environment temperature: 0~50°C
Default range of temperature adjustment: 5~35°C
Range of temperature display: 1~70°C

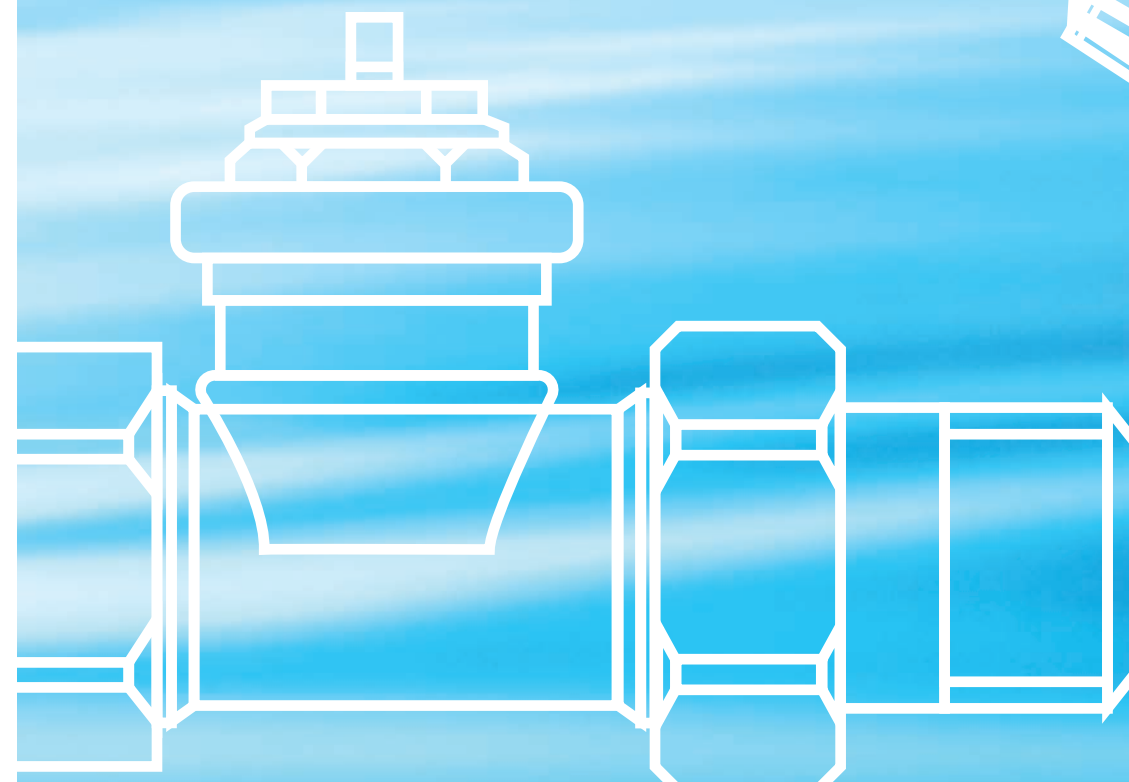
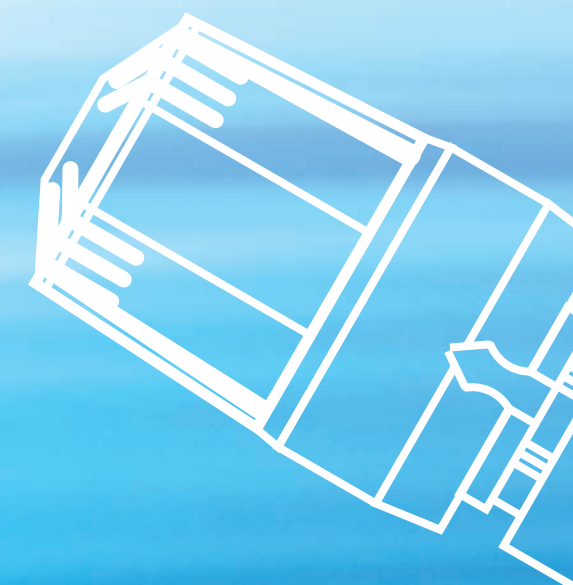
23RT0102
Electronic Radiator Thermostat
Power: 2*AA* 1.5V alkaline batteries
Display accuracy: 0.5°C
Probe sensor: NTC(10k)1%
Working environment temperature: 0~50°C
Default range of temperature adjustment: 5~35°C
Range of temperature display: 1~70°C

23RT0103
Zigbee 3.2 Radiator Thermostat
Power: 2*AA* 1.5V alkaline batteries
Display accuracy: 0.5°C
Probe sensor: NTC(10k)1%
Working environment temperature: 0~50°C
Default range of temperature adjustment: 5~35°C
Range of temperature display: 1~70°C

23RT0104
Zigbee 3.2 Radiator Thermostat
Power: 2*AA* 1.5V alkaline batteries
Display accuracy: 0.5°C
Probe sensor: NTC(10k)1%
Working environment temperature: 0~50°C
Default range of temperature adjustment: 5~35°C
Range of temperature display: 1~70°C

23RT0105
Zigbee 3.2 Radiator Thermostat
Power: 2*AA* 1.5V alkaline batteries
Display accuracy: 0.5°C
Probe sensor: NTC(10k)1%
Working environment temperature: 0~50°C
Default range of temperature adjustment: 5~35°C
Range of temperature display: 1~70°C

2 Radiator Valves





23TV0001



23TV0002



23TV0003



23TV0135



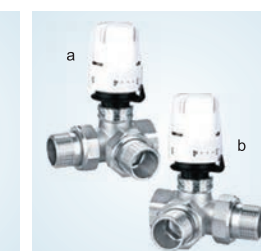
23TV0136



23TV0137



23TV0138



23TV0139



23TV0140



23TV0141



23TV0142



23TV0143



23TV0144



23TV0145



23TV0146



23TV0147



23TV0148



23TV0149



23TV0150



23TV0151

23TV0152
CW

23TV0152C



23TV0152W



23TV0152B



23TV0153C



23TV0153W



23TV0153B



23TV0154CW



23TV0154C



23TV0154W



23TV0154B

Thermostatic Radiator Valve

Forged brass body
Sand blasting and nickel plated
Nominal pressure: max 16 bar
Temperature: -10-110°C
Threaded ISO228/1
100% leakage tested
Size: 1/2", 3/4"



23TV0201C 23TV0201W 23TV0201B 23TV0202C 23TV0202W 23TV0202B



23TV0203C 23TV0203W 23TV0203B 23TV0204N 23TV0204C 23TV0204W 23TV0204B



23TV0205N 23TV0205C 23TV0206 23TV0207 23TV0208N 23TV0208C 23TV0208W 23TV0208B



23TV0209N 23TV0209C 23TV0210 23TV0211 23TV0212 23TV0213



23TV0214 23TV0215 23TV0216 23TV0217 23TV0218



23TV0219 23TV0220 23TV0221 23TV0222 23TV0223



23TV0224 23TV0225 23TV0226 23TV0227 23TV0228



23TV0229 23TV0230 23TV0231 23TV0232 23TV0233



23TV0234 23TV0235 23TV0236 23TV0237 23TV0238 23TV0239



23TV0240 23TV0241 23TV0288

Thermostatic Radiator Valve
 Forged brass body
 Sand blasting and nickel plated
 Nominal pressure: max 16 bar
 Temperature: -10-110°C
 Threaded ISO228/1
 100% leakage tested
 Size: 1/2", 3/4"

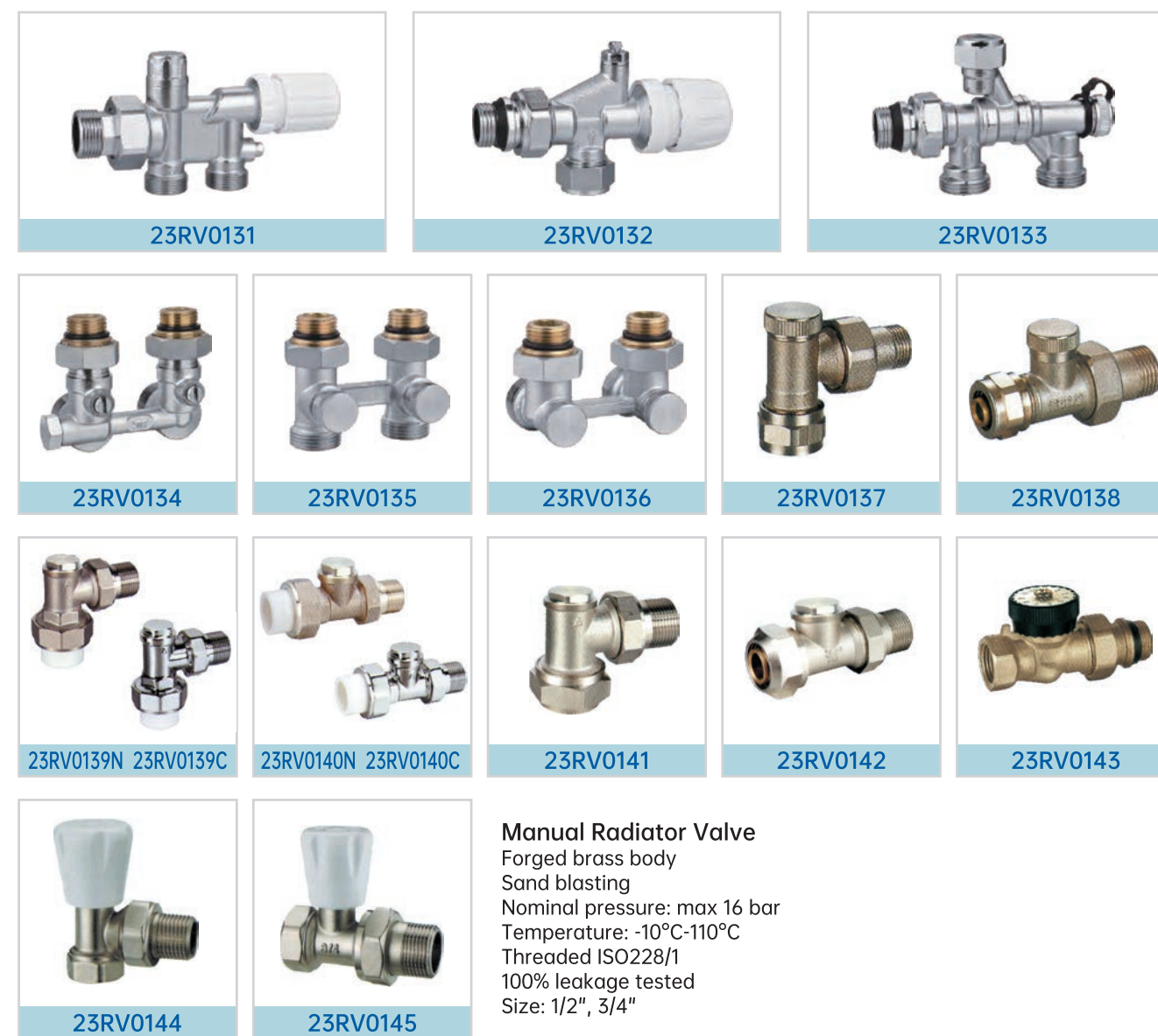
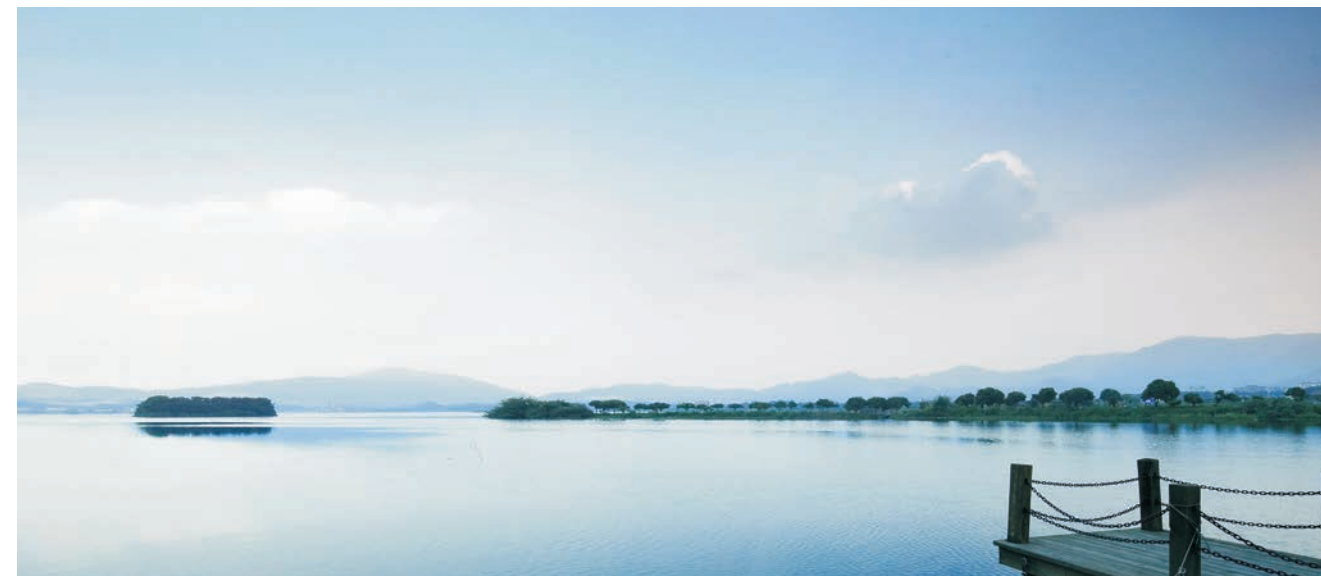


23TV1001 23TV1002 23TV1003 23TV1004 23TV1005 23TV1006 23TV1007 23TV1008



23TV1009 23TV1010 23TV1011 23TV1012 23TV1013 23TV1014 23TV1015 23TV1016

Thermostatic Valve Set
 packed in blister
 Size: 1/2"

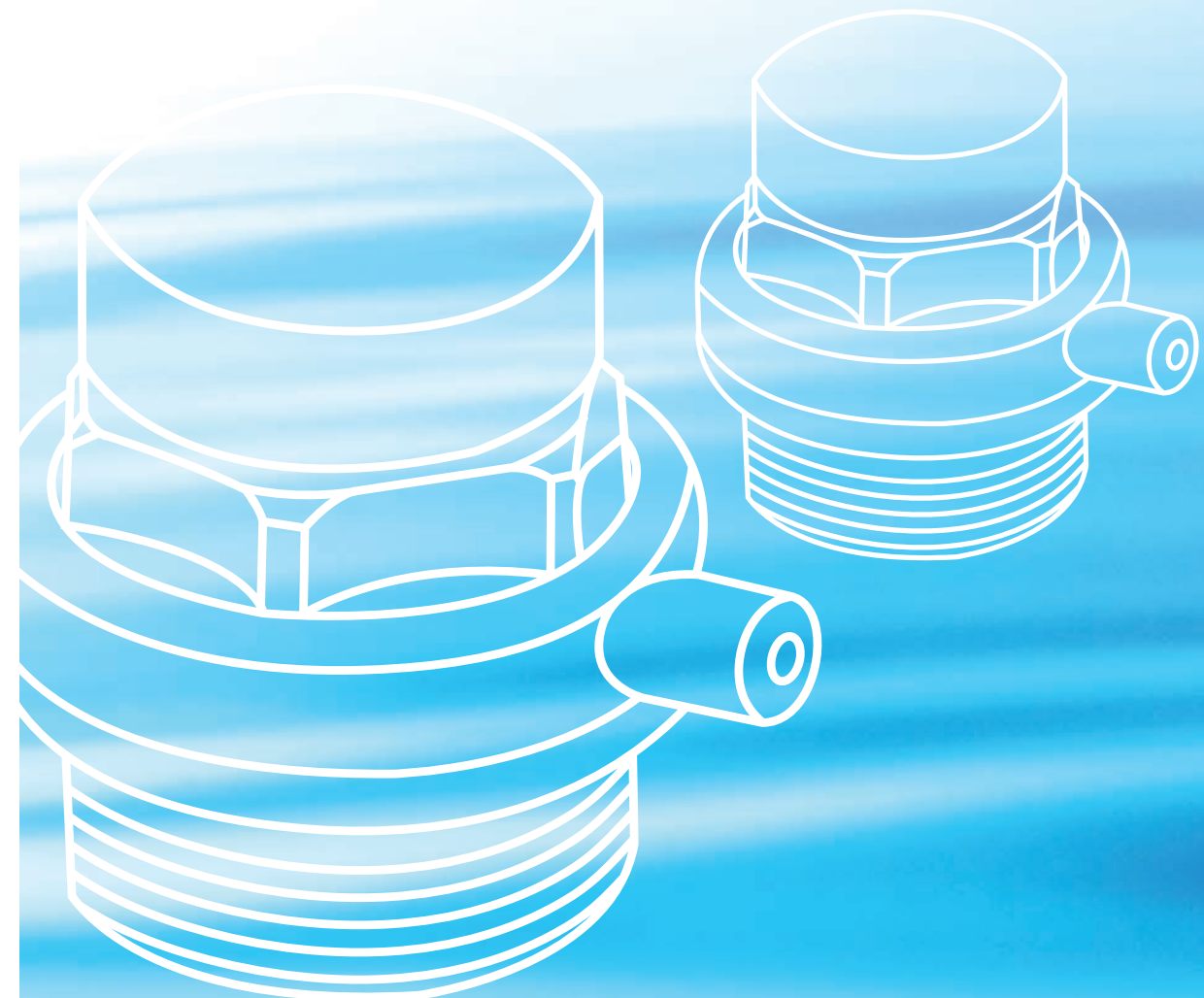




Radiator Valve
 Forged brass body
 Polished brass and Chrome Plated
 Nominal pressure: max16 bar
 Temperature: -10°C-110°C
 Threaded ISO228/1
 100% leakage tested
 Size: 1/2", 3/4"



3 Radiator Components



RADIATOR COMPONENTS



23AV1201

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV1202

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV1203

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0233

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0232

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0220

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0231

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV1205

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0230

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0234

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0235

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0236

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0237

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0238

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0239Y 23AV0239N

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0241S 10AV0241Y

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0242

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



10AV0244

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0231

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0232S 23AV0232Y

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0233

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0234

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0235

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0236

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0237

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0238

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0240

Automatic Air Vent
Size: 3/8", 1/2", 3/4", 1"



23AV0241

Automatic Air Vent (Solar)
Size: 1/2"



23AV0242

Automatic Air Vent (Solar)
Size: 1/2"



23AV0251

Automatic Air Vent
Size: 1/8"



23AV0252

Automatic Air Vent
Size: 1/8", 1/4", 1/2", 3/4"






























23AV0253






















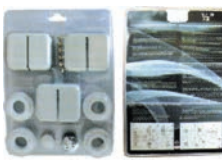
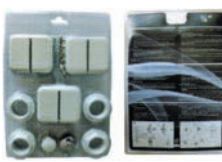



Automatic Air Vent
Size: 1/8", 1/4", 1/2", 3/4"

















23AV0254









Automatic Air Vent
Size: 1/8"

 10AV0102 Air Vent Size: 1/2"Mx24mm	 10AV0377 Air Vent Size: 1/2"Mx24mm	 10AV0378 Air Vent Size: 1/2"Mx24mm	 10AV0379 Air Vent Size: 1/2"Mx24mm	 10AV0121 Air Vent Size: 3/8", 1/2", 3/4"
 10AV0202 Air Vent Size: 3/8", 1/2", 3/4"	 10AV0203 Air Vent Size: 3/8", 1/2", 3/4"	 10AV0143 Air Vent Size: 1/2"Mx24mm	 10AV0101 Air Vent Size: 1/2"Mx27mm	 10AV0141 Air Vent Size: 1/2"Mx24mm
 23AV0106 Air Vent Size: 3/8", 1/2", 3/4"	 23AV0107 Air Vent Size: 3/8", 1/2", 3/4"	 23AV0108 Air Vent Size: 3/8", 1/2", 3/4"	 23AV0109 Air Vent Size: 3/8", 1/2", 3/4"	
 10AV0104 Blind Plug Size: 1/2"Mx24mm	 10AV0103 Blind Plug Size: 1/2"Mx27mm	 10AV0105 Plug Size: 1/2"Mx24mm	 10AV0175 Plug Size: 3/4"Mx27mm	 10AV0144 Reducing Plug Size: 1/2"Mx3/8"F 3/4"Mx1/2"F
 10AV0360 Montage set 14pcs	 10AV0375 Montage set 20pcs	 10AV0421 Montage set 15pcs	 10AV0902 Air Vent Size: 1/2", 3/4", 1"	 10AV0602 Air Vent Size: 1/2", 3/4", 1"
 10AV0605 Air Vent Size: 1/2", 3/4", 1"	 10AV0802 Air Vent Size: 1/2", 3/4", 1"	 10AV0804 Air Vent Size: 1/2", 3/4", 1"		

 10AV0302 Air Vent Size: 1/2", 3/4", 1"	 10AV0402 Air Vent Size: 1/2", 3/4", 1"	 10AV0502 Air Vent Size: 1/2", 3/4", 1"	 10AV0404 Blind Plug Size: 1/2", 3/4", 1"	 10AV0241 Air Vent Size: 1/4"
 10AV0242 Air Vent Size: 1/8", 1/4"	 10AV0243 Air Vent Size: 1/8", 1/4"	 10AV0245 Air Vent Size: 1/8", 1/4", 3/8", 1/2"	 10AV0246 Air Vent Size: 2G1/8"	 10AV0247 Air Vent Size: 2G1/8"
				 10AV0248 Air Vent Size: 1/4"
 10AV0249 Air Vent Size: 3/8", 1/2", 3/4"	 10AV0250 Air Vent Size: 3/8", 1/2", 3/4"	 10PS0118 Plug Set 7 Pcs Size: 3/8"x1", 1/2"x1", 3/4"x1"	 10PS0138 Plug Set 7 Pcs	 10PS0130 Plug Set 7 Pcs Size: 3/8"
 10PS0120 Plug Set 27 Pcs	 10PS0140 Plug Set 11 Pcs	 10PS0150 Plug Set 13 Pcs	 10PS0160 Plug Set 15 Pcs	 10PS0137 Plug Set 11 Pcs
 10PS0122 Plug Set Size: 1/2"x45mm	 10PS0123 Plug Set Size: 3/4"x45mm	 10PS0136 Plug Set 8 Pcs Size: 3/8"x1", 1/2"x1", 3/4"x1"	 10PS0139 Plug Set Size: 3/8"x1", 1/2"x1", 3/4"x1"	 10PS0141 Plug Set Size: 1/2", 3/4", 1"

 <p>10S0400 Steel Symmetrical Screw Size: G1"×25mm (ISO228)</p>	 <p>10S0403 Steel Symmetrical Screw Size: G1 1/4"×28mm (ISO228)</p>	 <p>10S0406 Steel Symmetrical Screw Size: G1"×32mm (ISO228)</p>	 <p>10S0488 O Ring Size: 1"</p>	 <p>10P0188 O Ring Size: 1/2", 3/4", 1"</p>
 <p>10S0407 Steel Symmetrical Screw Size: G1 1/2"×28mm (ISO228)</p>	 <p>10S0405 Steel Symmetrical Screw Size: G1"×32mm (ISO228)</p>	 <p>10S0162 Steel Symmetrical Screw Size: 1"×25mm</p>	 <p>10F0387 Steel Tee Size: 15×1/2"F×15</p>	 <p>10F0388 Steel Elbow Size: 1/2"F×15</p>
 <p>10F0480 Brass Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0481 Brass Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0482 Brass Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0110 Steel Tee Size: 15×1/2"F×15</p>	 <p>10F0423 Steel Tee Size: 37.5×52×36, 37.5×52×24</p>
 <p>10F0483 Brass Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0484 Brass Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0485 Brass Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0111 Steel coupling Size: 15mm×15mm</p>	 <p>10F0418 Steel washer</p>

 <p>10P0131 Blind Plug Size: 1"M×28mm, 1"M×32mm DIA.: 41mm</p>	 <p>10P0136 Reducing Plug Size: 1"M×1"F</p>	 <p>10P0132 Reducing Plug Size: 1"M×3/4"F×32mm DIA.: 41mm</p>	 <p>10P0107 Reducing Plug Size: 1"M×1/2"F×28mm×DIA. 41mm 1"M×1/2"F×32mm×DIA. 41mm 1"M×3/4"F×32mm×DIA. 41mm 1"M×1/2"F×32mm×DIA. 46mm 1"M×3/4"F×32mm×DIA. 46mm</p>	 <p>10P0108 Reducing Plug Size: 1"M×3/4"F×32mm DIA.: 41mm</p>
 <p>10P0109 Blind Plug Size: 1"M×32mm DIA.: 41mm</p>	 <p>10F0231 Steel Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0451 Steel Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0235 Steel Screw Size: 3/8", 1/2", 3/4", 1"</p>	 <p>10F0237 D Type Steel Screw Size: 3/8", 1/2", 3/4", 1"</p>
 <p>10A0151 Plastic Key Size: 5mm×5mm</p>	 <p>10A0152 Zinc Key Size: 5mm×5mm</p>	 <p>10A0153 Aluminium Key Size: 5mm×5mm</p>	 <p>10A0154 Zinc Key Size: 5mm×5mm</p>	 <p>10A0155 Brass Key Size: 5mm×5mm</p>
 <p>10A0156 Steel Key Size: 7.5mm, 17mm</p>	 <p>10A0157 Spanner</p>	 <p>10H0171 Plastic Hanger Size: 25mm, 22mm</p>	 <p>10H0176 Round Kit 22 pcs Size: 22mm</p>	 <p>10H0177 Oval Kit 22 pcs Size: 25mm</p>

 <p>10H0181 Hanger Set Size: 9.2×170mm, 9.2×230mm</p>	 <p>10H0182 Hanger Set Size: 9.2×170mm, 9.2×230mm</p>	 <p>10H0183 Hanger Set Size: 8.5×175mm</p>	 <p>10H0184 Hanger Set Size: 7.5×175mm</p>	
 <p>10H0365 Hanger Set Size: 7.0×170mm</p>	 <p>10H0366 Hanger Set Size: 9.2×170mm, 9.2×230mm</p>	 <p>10H0392 Hanger Set Size: 7.5×190mm</p>	 <p>10H0393 Hanger Set Size: 7.5×175mm</p>	 <p>10H0367 Hanger Set Size: 7.0×180mm, 7.0×200mm</p>
 <p>10H0360 Hanger Set Size: 7.0×180mm, 7.0×200mm</p>	 <p>10H0378 Hanger Set Size: 25×48×90mm</p>	 <p>10H0368 Hanger Set Size: 25×61×98mm, 47×73×108mm</p>	 <p>10H0369 Hanger Set Size: 25×61×98mm, 47×73×108mm</p>	 <p>10H0383 Hanger Set</p>
 <p>10H0373 Hanger Set</p>	 <p>10H0380 Hanger Set Size: 46×46×100mm, 50×50×115mm</p>	 <p>10H0387 Hanger Set</p>	 <p>10H0388 Hanger Set</p>	 <p>10H0389 Radiator Hanger</p>

4 Pressure Controlling Valves



PRESSURE CONTROLLING VALVES



Specifications

Safety relief valves are typically used for controlling pressure on boilers in heating systems, on stored hot water cylinders in hot water systems and in water systems generally. When the calibrated pressure is reached, the valve opens and, by means of discharger to atmosphere, prevents the pressure of the system from reaching levels which would be dangerous for the boiler and the components in the system itself.

Materials: Brass

Spring: Stainless Steel 304

Technical Data:

1. Temperature Range: 5-110°C
2. Pressure Range: 1-10bar
3. Medium: water, air
4. Thread: DN15 & DN20

Temperature and Pressure Relief Valve

Description

P/T Valve for solar water heater, electric heater and so on. The T&P valve is designed to relieve the increase in pressure which develops during the normal heating cycle. 1. Provide safe to us 2. Prolong the lifetime of the solar water heater

Materials

Body: Brass
Internal Parts: Brass and stainless steel
Seat Disc: Rubber
Blowout Cage: Nylon

Technical Data:

1. Surface Treatment: Brass/Nickel Plated
2. Preset Pressure: 6bar
3. Max Operating Temperature : 110°C



PRESSURE REDUCING VALVES



PRESSURE REDUCING / BALANCING VALVES



THERMOSTATIC MIXING VALVE



Technical data:

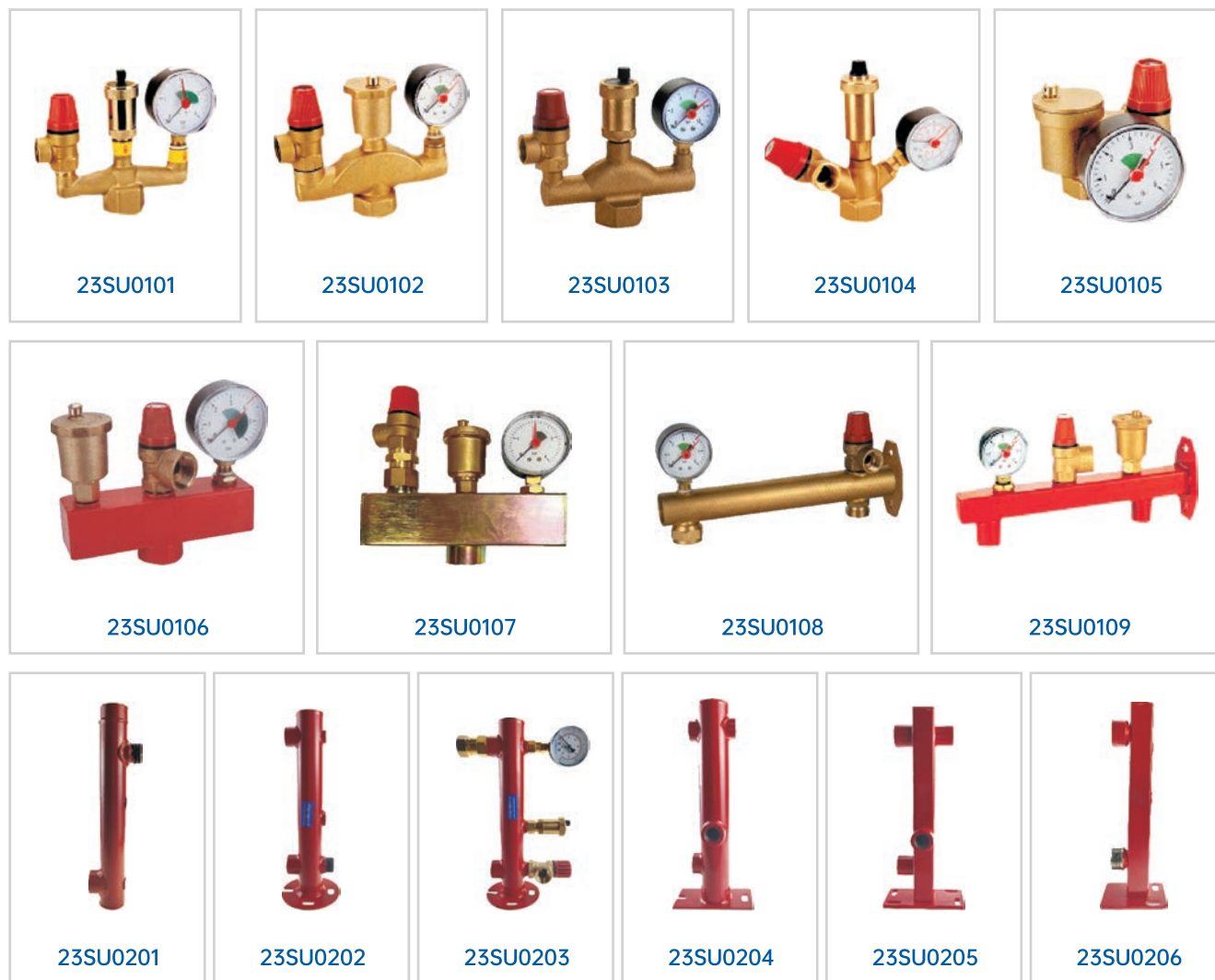
Thermostatic Mixing Valve

Max static pressure: 10bar
Dynamic working pressure: 1-5bar
Maximum working Temp: Below 99°C
Cold water Temp. range: 1-29°C
Hot water Temp. range: 50-95°C
Outlet Temp. range: 35-60°C
Adjustment Accuracy: ±2°C

THERMOSTATIC MIXING VALVE



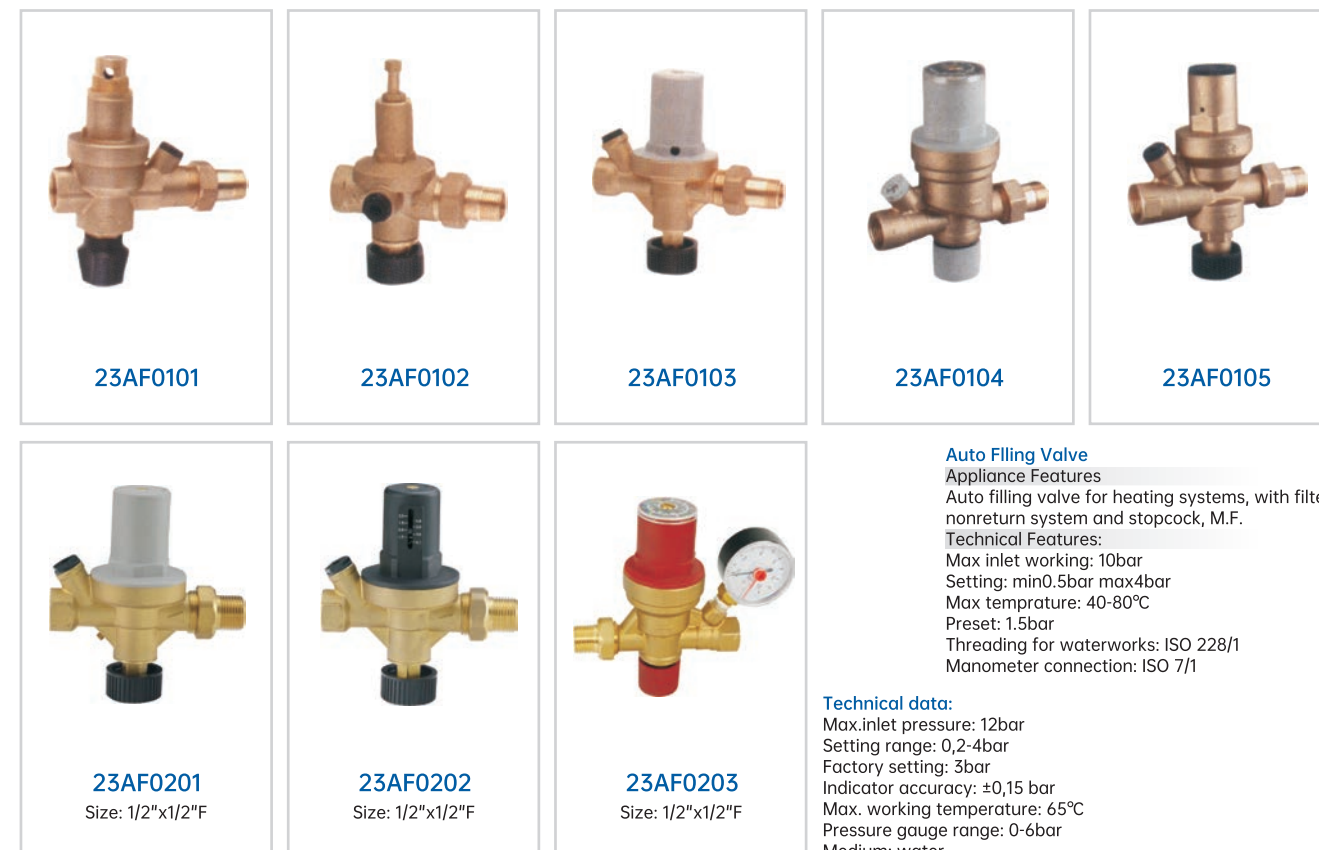
Safety Unit for Heating System



Water Pre Filter



Auto Filling Valve



Auto Filling Valve
Appliance Features
Auto filling valve for heating systems, with filter, nonreturn system and stopcock, M.F.
Technical Features:
Max inlet working: 10bar
Setting: min0.5bar max4bar
Max temperature: 40-80°C
Preset: 1.5bar
Threading for waterworks: ISO 228/1
Manometer connection: ISO 7/1

Technical data:
Max.inlet pressure: 12bar
Setting range: 0,2-4bar
Factory setting: 3bar
Indicator accuracy: ±0,15 bar
Max. working temperature: 65°C
Pressure gauge range: 0-6bar
Medium: water

Description:
Water Flow meter offers a quick, easy and accurate method of adjusting the flow rates. Can be installed in any position

Max. input working pressure: 10 bar
Max. water temperature: 115°C
Material: Brass or Brass with chromate treatment
Floating ball: Ethylene-propylene

Material:
brass CW617N

Technical data:
Medium: water, glycol solutions
Max. percentage of glycol: 50%
Max. working pressure: 10bar
Working temperature range: -10—110°C
Flow rate range unit of measurement: l/min
Accuracy: ±10%
Control stem angle of rotation: 90°

Operating wrench:
1/2"-1 1/4":9mm
1 1/2" and 2":12mm

Flowmeter Valve



Balancing Valve with Flowmeter





What is Water Hammer?

The noise from banging pipes is caused by shocks of highspeed water flowing in the piping system when a fixture is suddenly closed. Sudden stoppage of the water(a non-compressible liquid) flowing at a given pressure and velocity causes a surge or spike of water and is called water hammer. When this occurs, a pressure wave travels back through the piping until it finds a point of relief.

Dishwashers, clothes washers, fast closing positive shut off valves incorporated in the plumbing system all contribute to creating water hammer which is not only annoying but damaging to pipes and appliances. Series O5 water hammer arrestors provide economical and effective single fixture protection from the destructive and annoying problem of water pressure shock. Utilizing piston style construction, factory charged and sealed, the Series O5 provides automatic, repetitive control of water hammer when properly installed.

Pressure-Temperature

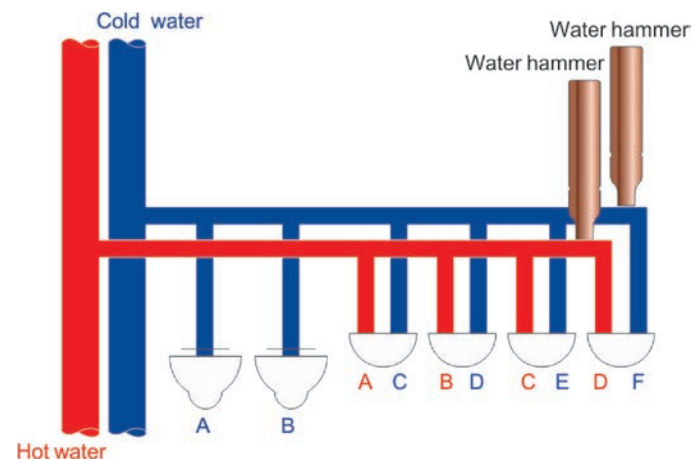
Operating Pressure

Designed especially for use in light commercial or residential applications on lines up to 150psi (10.6bar) working pressure.

Temperature Range

33F to 180F (0.5°C- 82°C)

Air Preload
60psi (4.2bar)



Electric Valve



Dirt Separators In Composite with Magnet



Tankless Isolation Valve Kit





23CP0101

Circulation Pump Series
Power:245/220/145w
Max. Flow:68/46/28L/min
Max. Head: 12/11/7m
Inlet/outlet: 1 1/2"
Nw: 4.5kg



23CP0102

Circulation Pump Series
Power:270/210/150w
Max. Flow:72/54/32L/min
Max. Head: 15/13/10m
Inlet/outlet: 1 1/2"
Nw: 5.0kg



23CP0103

Circulation Pump Series
Power:93/67/46w
Max. Flow:55/43/32L/min
Max. Head: 6/5/3m
Inlet/outlet: 1 1/2"
Nw: 3.0kg



23CP0113

Circulation Pump Series
Power:93/67/46w
Max. Flow:55/43/32L/min
Max. Head: 6/5/3m
Inlet/outlet: 2"
Nw: 3.0kg



23CP0115

Circulation Pump Series
Power:270/210/150w
Max. Flow:160/103/43L/min
Max. Head: 8/7/3m
Inlet/outlet: 2"
Nw: 5.0kg



23CP0116
Shielding Circulation Pump
Size: 1", 1 1/2"



23CP0117
Variable Frequency
Shielding Circulation Pump
Size: 1", 1 1/2"

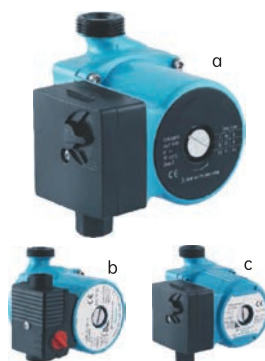


23RP001



23RP002

Rotor for Pump
Size: 12/5, 12/6



23CP0105

Circulation Pump Series
Power:72/53/38w
Max. Flow:42/34/23L/min
Max. Head: 4.5/4/3m
Inlet/outlet: 1"
Nw: 2.4kg



23CP0106

Circulation Pump Series
Power:93/67/46w
Max. Flow:48/40/28L/min
Max. Head: 6/5/3m
Inlet/outlet: 1"
Nw: 2.6kg



23CP0107

Circulation Pump Series
Power:72/53/38w
Max. Flow:48/36/25L/min
Max. Head: 4.5/4/3m
Inlet/outlet: 1 1/2"
Nw: 2.5kg



23CP0108

Circulation Pump Series
Power:93/67/46w
Max. Flow:55/43/32L/min
Max. Head: 6/5/3m
Inlet/outlet: 1 1/2"
Nw: 2.7kg



23CP0109

Circulation Pump Series
Power:72/53/38w
Max. Flow:48/36/25L/min
Max. Head: 4.5/4/3m
Inlet/outlet: 1 1/2"
Nw: 2.5kg



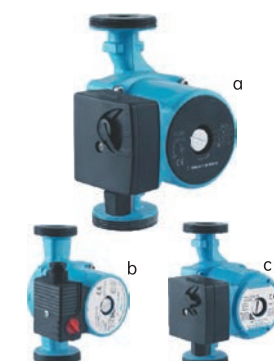
23CP0110

Circulation Pump Series
Power:72/53/38w
Max. Flow:55/43/32L/min
Max. Head: 4.5/4/3m
Inlet/outlet: 1 1/2"
Nw: 2.9kg



23CP0111

Circulation Pump Series
Power:270/210/150w
Max. Flow:160/103/43L/min
Max. Head: 8/7/3m
Inlet/outlet: 1 1/2"
Nw: 5.0kg



23CP0112

Circulation Pump Series
Power:72/53/38w
Max. Flow:48/36/16L/min
Max. Head: 4.5/4/3m
Inlet/outlet: 2"
Nw: 2.8kg





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