



**INNOVATION
MAKES LIFE BETTER**

Sm/lege

Cooperation with the Global World

Innovation makes life better—SMLG has achieved excellence in core wax thermo-static element formulation and the study of semiconductor-like PTCs under this guidance. Now SMLG is present in 90+ countries with 400+ partners, contributing to the innovation of energy efficiency in HVAC worldwide.

Welcome to SMLG

Shanghai SMLG Thermostatic Technology Co., Ltd is a technology company focusing on HVAC smart home. Through years of efforts and research, the company has both HVAC control technology and electronic control technology has become the most distinctive feature of SMLG. The rich industry experience has helped SMLG transform from a component provider to a major global OEM and ODM service system solution provider.



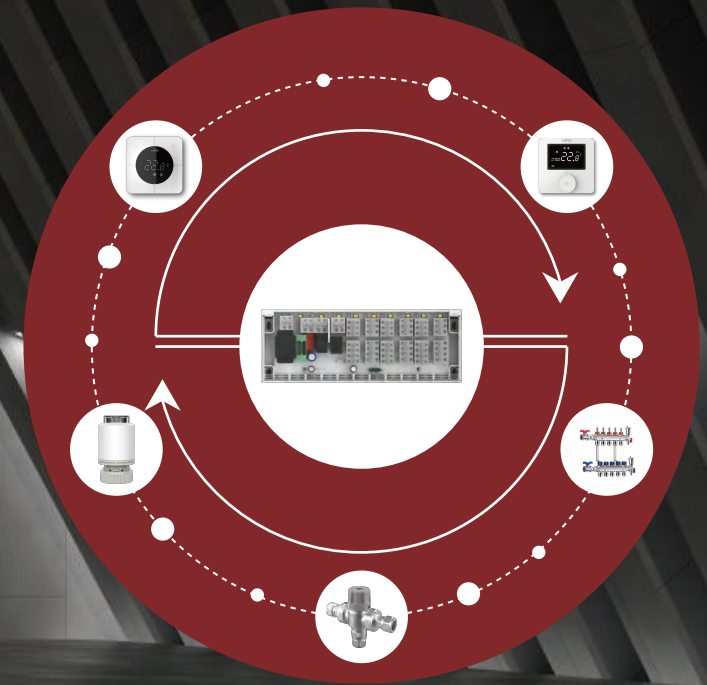
400 +

With
partners



INNOVATION MAKES LIFE BETTER

We sincerely hope to establish strategic partnerships with customers and suppliers, and form a stable and healthy community of interests with all sectors of society. In addition, our company is committed to developing high-efficiency and energy-saving products, contributing to green environment protection, taking the road of scientific and sustainable development, and making outstanding achievements in the constant temperature industry.



Wax Thermostatic Element

SMLG started out as a manufacturer of wax thermostatic elements, after years of exploration and accumulation, it has derived a series of products in the sanitary ware, HVAC, medical and military industries. Especially in the field of sanitary ware and HVAC, it has been unanimously recognized by customers all over the world.



- | | | | | | |
|-----------|---------------------|-----------|------------------------|-----------|--------------|
| 01 | Room
Thermostats | 02 | Thermal
Actuators | 03 | Base Station |
| 04 | Manifold | 05 | Thermostatic
Valves | | |

ROOM THERMOSTATS



VOLCANO ROOM THERMOSTAT

RT-V1

Voltage	100-240VAC~50/60Hz
Temp. control accuracy	±1 °C
Temp. control range	Internal5~35 °C/external5~60 °C
Dimension	86mmX86mmX12.8mm
Color	White/Black/White&Black
Temp. sensor	NTC
Material	PC flame retardant
Load current	3A (MAX)
Application	Water Heating System



RT-V1W

Voltage	100-240VAC~50/60Hz
Temp. control accuracy	±1 °C
Temp. control range	Internal5~35 °C/external5~60 °C
Dimension	86mmX86mmX12.8mm
Color	White/Black/White&Black
Temp. sensor	NTC
Material	PC flame retardant
Load current	3A (MAX)
Application	Water Heating System



RT-V2

Voltage	100-240VAC~50/60Hz
Temp. control accuracy	±1 °C
Temp. control range	Internal5~35 °C
Dimension	86mmX86mmX12.8mm
Color	White/Black/White&Black
Temp. sensor	NTC
Material	PC flame retardant
Load current	3A (MAX)
Application	Heating and cooling System



APUS ROOM THERMOSTAT

RT-A1

Voltage	100-240VAC~50/60Hz
Temp. control accuracy	±1 °C
Temp. control range	5-35 °C
Dimension	86mmX86mmX31mm
Color	White/Black
Temp. sensor	NTC100K 1%
Material	ABS flame retardant
Load current	3A (MAX)
Application	Water Heating System



RT-A2

Voltage	100-240VAC~50/60Hz
Temp. control accuracy	±1 °C
Temp. control range	5-35 °C
Dimension	86mmX86mmX31mm
Color	White/Black
Temp. sensor	NTC100K 1%
Material	ABS flame retardant
Load current	3A (MAX)
Application	Heating and cooling System



THERMAL ACTUATORS



NORMALLY CLOSED

920059PL

Control Direction	NC
Voltage	230V/24V/12V
Working temperature	-5 °C -60 °C
Adapter	M30x1.5mm
Protection Grade	IP41
Stroke	≥4mm
Feature	First-Open



920062PL

Control Direction	NC
Voltage	230V/24V/12V
Working temperature	-5 °C -60 °C
Adapter	M30x1.5mm
Protection Grade	IP54
Stroke	≥4mm
Feature	Manual Opening



920075PL

Control Direction	NC
Voltage	230V/24V/12V
Working temperature	-5 °C -60 °C
Adapter	M30x1.5mm
Protection Grade	IP54
Stroke	≥4mm
Feature	Easy-to-remove



NORMALLY CLOSED/NORMALLY OPEN

920066PL

Control Direction	NC/NO
Voltage	230V/24V/12V
Working temperature	-5 °C -60 °C
Adapter	M30x1.5mm/M28x1.5mm
Protection Grade	IP54
Stroke	≥4mm
Feature	Easy-to-remove

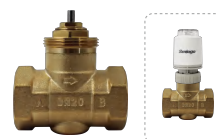


920071PL

Control Direction	NC/NO
Voltage	230V/24V/12V
Working temperature	-5 °C -60 °C
Adapter	M30x1.5mm/M28x1.5mm
Protection Grade	IP54
Stroke	≥4mm
Feature	Easy-to-remove



ACTUATOR VALVE



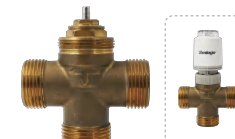
930014NT TWO WAYS VALVE

Applicable media: Water, ethylene glycol solution
Glycol max. percentage: 50%
Maximum working pressure: 16 bar
Operating temperature range: 4-100°C
Ambient temperature range: 0-50°C
KV's: 3.5m³/h



930018NT TWO WAYS VALVE

Applicable media: Water, ethylene glycol solution
Glycol max. percentage: 50%
Maximum working pressure: 16 bar
Operating temperature range: 4-100°C
Ambient temperature range: 0-50°C
KV's: 2.5m³/h



930015NT THREE WAYS VALVE

Applicable media: Water, ethylene glycol solution
Glycol max. percentage: 50%
Maximum working pressure: 16 bar
Operating temperature range: 4-100°C
Ambient temperature range: 0-50°C
KV's: 2.5m³/h

BASE STATION

WIRED



BS-Y6

Working Voltage	230V±10%/50Hz
Material	ABS
Control Direction	Normally Closed
Control Area	6 Zones
Max Thermostat Number	6pcs
Max Actuator Number	12pcs
Delay To Start	120s
Fuse	5-10A



BS-Y8

Working Voltage	230V±10%/50Hz
Material	ABS
Control Direction	Normally Closed
Control Area	8 Zones
Max Thermostat Number	8pcs
Max Actuator Number	16pcs
Delay To Start	120s
Fuse	5-10A



WIRELESS

BS-W8

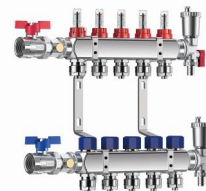
Working Voltage	230V±10%/50Hz
Material	ABS
Control Direction	Normally Closed
Control Area	8 Zones
Max Thermostat Number	8pcs
Max Actuator Number	16pcs
Communication	RF
Delay To Start	120s
Fuse	5-10A



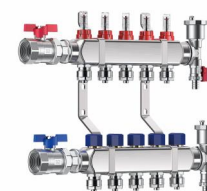
MANIFOLD

STAINLESS STEEL

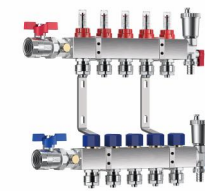
STAINLESS STEEL - SQUARE TYPE



M-S25



M-S32



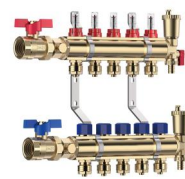
M-SS25

M-S25/M-S32/M-SS25 (304 Stainless Steel)

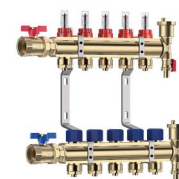
Connection Spec.	F1"*M3/4"
Maximum Working Pressure	16bar
Working Temperature	110°C
Surface Treatment	Chromium-Rich Oxide Film
Max. Flow Rate of Main Pipe	20 kv (m³/h)
Max. Flow Rate of Branch Pipe	1.5 kv (m³/h)
Branches	2--12
Eurocone	20*2.0, 16*2.0

BRASS

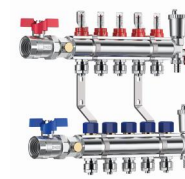
NICKEL PLATED BRASS



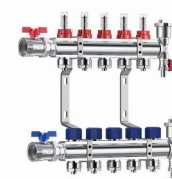
M-B25



M-B32



M-BN25



M-BN32

M-M25/M-M32/M-BN25/M-BN32 (Brass)

Connection Spec.	F1"*M3/4"
Maximum Working Pressure	16bar
Working Temperature	110°C
Surface Treatment	Fine polishing and baking paint
Max. Flow Rate of Main Pipe	20 kv (m³/h)
Max. Flow Rate of Branch Pipe	1.5 kv (m³/h)
Branches	2--12
Eurocone	20*2.0, 16*2.0

THERMOSTATIC VALVES

THERMOSTATIC MIXING VALVE

910010CC

Valve Body Material	DR Brass
Maximum Static Pressure	10bar
Factory Temperature Setting	38 C
Hot Water Temperature	55 C to 65 C
Cold Water Temperature	5 C to 20 C
Control Accuracy	±2 C
Flowing Rate(3bar)	31L/min(DN15),34L/min(DN20)
DN Size	DN15, DN20



910070CC

Valve Body Material	Brass
Working Pressure	0.1Mpa-0.5Mpa
Max Pressure	16bar
Cold Water Temperature	4-29 C
Hot Water Temperature	60-90 C
Mixing Water Temperature	30-50 C
DN Size	DN15, DN20, DN25
Temperature Stability	±2 C



910069CC

Valve Body Material	Brass
Working Pressure	0.1Mpa-0.5Mpa
Max Pressure	16bar
Cold Water Temperature	4-29 C
Hot Water Temperature	60-90 C
Mixing Water Temperature	30-50 C
Temperature Range	DN20(35 C -60 C), DN20(20 C -55 C)
DN Size	DN20, DN25
Temperature Stability	±3 C



T & P RELIEF VALVE

930008NT

Material	Brass
Opening Temperature	90 C ~99 C
Resetting Temperature	≥70 C
Pressure Rating	500Kpa-1400Kpa
Resetting Pressure	≥85%
DN Size	DN15, DN20
Standards Compliant	ANSI Z21.22&EN1490



FREEZE PROTECTION VALVE

910026NT

Material	Brass
Initial Open	1.6 C
Full Open	4 C
Full Close	7 C
Working Temperature	-30 - 80 C
MAX Pressure	1MPa
Max Flow	20L/min(300KPa)
Control Accuracy	±1 C
Thread Specification	G3/8-19, G3/4-14



REVERSING VALVE

910024CC

Material	Brass+ ABS Cover
Maximum Static Pressure	10Bar
Max Differential Pressure	5Bar
Max. Inlet Temp	100 C
Setting Temperature	45 C
Control Accuracy	±2 C
Mixing Water Temperature	2:1
Minimum Required Flow for Work	4 L/min
Standard	EN1111, EN1287



OEM Service for you

We will provide a wide range of services to OEM partners to support your business.



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