# SOLOON

# S6054/55 motorised ball valves



S6054/55 series motorised ball valves are available for terminal waterway control. Thermostat control the motorised ball valve actuator, and the actuator motor drive the valve ON/OFF to make the medium flow or disconnected, and the fan coil blow

at the same time to control the temperature automaticly.

# Features:

Easy installation and cost saving.

Closing tightly and having a great differential pressure.

Water flow smoothly and it won't be blocked by slag. KVS value

is much larger than common 2-way valve.

Valve opens sofety to guard effectively against water hammer

### **Product Parameters:**

| Main material: forging brass body | seal PTFE / HNBR            |
|-----------------------------------|-----------------------------|
| Actuator torque: 2N.m             | Nominal pressure: 1.6MPa    |
| Working medium: water             | Fluid temperature 5 95°C    |
| Stem size: 10x10                  | Valve opening torque: <1N.m |

## **Dimension:**





#### Modulation

On/off

# Specification:

|                | Valve | DN | Thread | Kv   | Size |    |      | Maximum difference pressure |
|----------------|-------|----|--------|------|------|----|------|-----------------------------|
| Model No.      | Туре  |    | sise   |      | L    | Н  | D    | KPa                         |
| S6054A/55-2015 | 2 way | 15 | G1/2   | 4.6  | 60   | 30 |      | 600                         |
| S6054A/55-2020 | 2 way | 20 | G3/4   | 6.5  | 67   | 35 |      | 600                         |
| S6054A/55-2025 | 2 way | 25 | G3/4   | 23.5 | 89   | 38 |      | 500                         |
| S6054A/55-3015 | 3 way | 15 | G1/2   | 4.6  | 60   | 30 | 30.5 | 600                         |
| S6054A/55-3020 | 3 way | 20 | G3/4   | 6.5  | 67   | 35 | 32   | 600                         |
| S6054A/55-3025 | 3 way | 25 | G1     | 23.5 | 89   | 38 | 46.5 | 500                         |
| S6054D/55-2015 | 2 way | 15 | G1/2   | 4.6  | 60   | 30 |      | 600                         |
| S6054D/55-2020 | 2 way | 20 | G3/4   | 6.5  | 67   | 35 |      | 600                         |
| S6054D/55-2025 | 2 way | 25 | G3/4   | 23.5 | 89   | 38 |      | 500                         |
| S6054D/55-3015 | 3 way | 15 | G1/2   | 4.6  | 60   | 30 | 30.5 | 600                         |
| S6054D/55-3020 | 3 way | 20 | G3/4   | 6.5  | 67   | 35 | 32   | 600                         |
| S6054D/55-3025 | 3 way | 25 | G1     | 23.5 | 89   | 38 | 46.5 | 500                         |

#### Wiring Diagram:



#### Install and operate instructions:



1.When requiring manual control, press down the switch knob firstly then it's available to turn the knob to the left or right to turn it on or off correspondingly. When it's in motorized mode, the bicolor line is the universal line, valve opens when the blue wire is energized and valve closes when the brown wire is energized.

2.Working environment: the temperature of the actuator cannot be higher than 5 0 °C, the temperature of medium cannot be higher than 100 °C.

3.Use the screwdriver to unscrew the knob center screw to divided the ball valve into three parts: knob switch, actuator and valve body. After disassembly, t-shaped groove on the top of the stem indicates the current open and closed situation of the valve body. It indicates full open on the left and full closed on the right. When installing the actuator, notice that the switch must be consistent with the valve body in open or close condition.