

For cold water use

Part Number	Vent	Flow Control
E550S80/1	No	No
E550S80/2	Yes	No
E550S80/3	Yes	Yes
E550S80/4	No	Yes

For hot or cold water use

Part Number	Vent	Flow Control
F550S80/1	No	No
F550S80/2	Yes	No
F550S80/3	Yes	Yes
F550S80/4	No	Yes



Description

2/2 direct acting normally closed solenoid valve with dry armature designed for water dispensing applications in hot water vending and cold drinks machines.

E550 versions are designed for cold water use and applications requiring the valve to be energised for long periods. The F550 is designed for hot and cold water vending applications where the duty cycle is 50% or less, because of its design the F550 is especially suitable for use with hard water.

Characteristics

Material

Valve body:	Polysulphone
Valve body colour:	Transparent grey.
Seal:	Silicone
Armature:	Stainless steel

Operating characteristics

Operating pressure range:	0 – 60 mbar
Maximum media temperature:	98°C
Orifice size:	8 mm
Kv	1.43 m ³ /hour

Beta Valve

Electrical characteristics

Connector:	DIN46450A
Protection:	IP65 (with waterproof connector)
Insulation class:	Class F (155°C)
Nominal Voltage Tolerance:	AC -15%. +10% DC - 10%. +10%
Power consumption:	F550 AC 8VA Holding 12 VA Inrush F550 DC 19W E550 DC 6.5 watt
Duty cycle:	F550 AC 100% F550 DC 50% E550 DC 100%

Dimensions

Overall length (inlet to top nut)	105mm
Overall height (incl. connectors)	44mm
Maximum width	35mm
Weight	150g

Approvals

- FDA approved material used throughout.
- UL approved coil available (120v and 230v 60 Hz only)
- VDE approved coil available (220-230v, 50/60 Hz)

Specification subject to change, E&OE.

Beta Valve

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