

5-year warranty



## Technical data

<b>Functional data</b>	Valve Size	0.75" [20]
	Control accuracy	±5%
	Fluid	chilled or hot water, up to 60% glycol max (open loop/steam not allowed)
	Fluid Temp Range (water)	14...250°F [-10...120°C]
	Body Pressure Rating	360 psi
	Close-off pressure Δps	200 psi
	Flow characteristic	equal percentage or linear
	Rangeability Sv	100:1
	Flow Pattern	2-way
	Leakage rate	0%
	Body pressure rating note	360 psi
<b>Measuring data</b>	Measuring accuracy flow	±2%*
<b>Safety data</b>	Rated impulse voltage supply	actuator/sensor: 0.8 kV (in accordance with EN60730-1) kV
	Ambient humidity	max. 95% r.H., non-condensing
<b>Materials</b>	Valve body	Nickel-plated brass body
	Flow measuring pipe	brass body nickel-plated
	Stem seal	EPDM (lubricated)
	Seat	PTFE
	Characterizing disk	TEFZEL®
	Pipe connection	NPT female ends
	O-ring	EPDM
	Ball	stainless steel
<b>Suitable actuators</b>	Non-Spring	LRB(X)

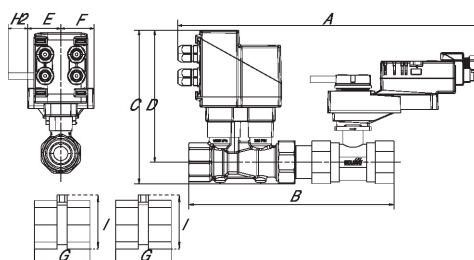
## Safety notes



- WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

**Product features**

- Product features** The Energy Valve measures energy using its built-in electronic flow sensor and supply and return temperature sensors. Controls power with its power control logic providing linear heat transfer regardless of temperature and pressure variations. Manages low delta-T with its built in Delta-T manager. Measures glycol with advanced algorithms in its built in flow sensor. An IoT device utilising cloud-based technology to optimise performance.
- Application** Water-side control of heating and cooling systems for AHUs and water coils. Equal Percentage/ Linear: heating and cooling applications.
- Operation** The Energy Valve is an energy metering pressure independent control valve that measures, documents and optimises water coil performance.

**Dimensions**
**Dimensional drawings**


Type	DN	Weight [kg]							
EV075S-103	20	2.5							
		A	B	C	D	E	F	G	H2 I
		14.9" [379]	8.0" [203]	7.0" [178]	6.4" [162]	1.5" [39]	1.5" [39]	2.2" [57]	0.8" [20] 3.1" [80]