



5-year warranty



Technical data

Functional data	Valve Size	5" [125]
	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	ANSI Class 125, standard class B
	Close-off pressure Δps	175 psi
	Flow characteristic	equal percentage or linear
	Rangeability Sv	100:1
	Flow Pattern	2-way
	Leakage rate	0%
	ANSI Class	125
Measuring data	Body pressure rating note	standard class B
	Measuring accuracy flow	±2%*
Safety data	Rated impulse voltage supply	actuator/sensor: 0.8 kV (in accordance with EN60730-1) kV
	Ambient temperature	-22...122°F [-30...50°C]
	Ambient humidity	max. 95% r.H., non-condensing
Materials	Valve body	Cast iron - GG 25
	Flow measuring pipe	Ductile cast iron - GGG50
	Stem seal	EPDM (lubricated)
	Seat	PTFE
	Characterizing disk	stainless steel
	Package	EPDM
	Pipe connection	pattern to mate with ANSI 125 flange
	O-ring	EPDM (lubricated)
Suitable actuators	Ball	stainless steel
	Non-Spring	GRB(X)
	Electronic fail-safe	GKRB(X)

Safety notes



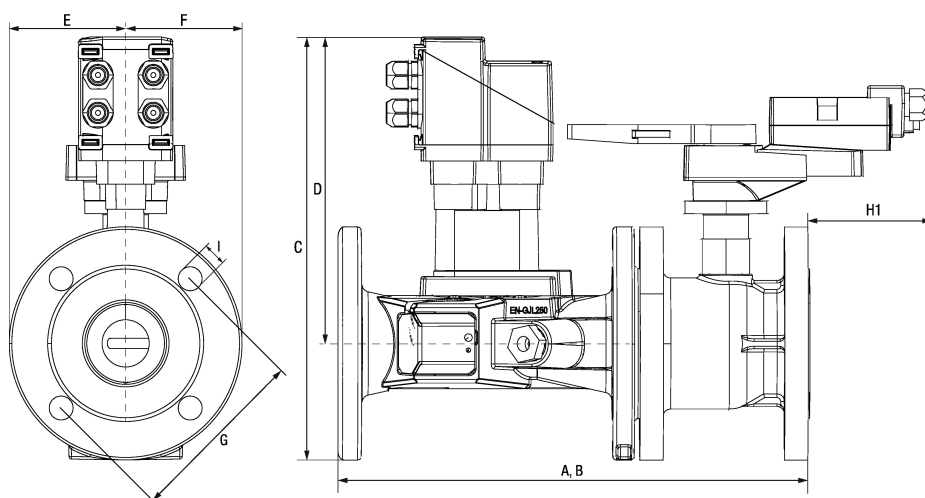
- WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov

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 syndrome with its built in Delta-T manager. An IoT device utilizing cloud-based technology to optimize 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]
[kg]

EV500SU-495

125

54

A	B	C	D	E	F	G	H1	I	Number of Bolt Holes
22.8" [579]	22.8" [579]	15.0" [380]	10.2" [260]	5.0" [127]	5.0" [127]	8.5" [216]	0.8" [20]	0.9" [22]	8