

Technical data sheet

G6125LCS





Type overview

Туре	DN
G6125LCS	125

Technical data

Functional data	Valve size [mm]	5" [125]				
	Fluid	chilled or hot water, up to 60% glycol, steam				
	Fluid Temp Range (water)	32350°F [0176°C]				
	Fluid Temp Range (steam)	32338°F [0170°C]				
	Body Pressure Rating	ANSI Class 125, up to 175 psi below 150°F				
	Flow characteristic	linear				
	Servicing	repack/rebuild kits available				
	Rangeability Sv	100:1				
	Max Differential Pressure (Steam)	50 psi [345 kPa]				
	Flow Pattern	2-way				
	Leakage rate	ANSI Class III stem up - open A – AB				
	Controllable flow range					
	Cv	263				
	Maximum Inlet Pressure (Steam)	100 psi [690 kPa]				
Materials	Valve body	Cast iron - ASTM A126 Class B				
	Valve plug	Stainless steel				
	Stem	316 stainless steel				
	Stem seal	NLP EPDM (no lip packing)				
	Seat	Stainless steel AISI 316				
	Pipe connection	125 lb flanged				
Suitable actuators	Non-Spring	EVB(X)				
	Spring	(2*AFB(X))				
	Electrical fail-safe	AVKB(X)				

Safety notes



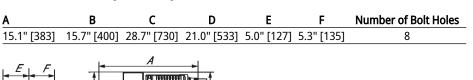
- WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov
- The valve has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only authorized specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The valve does not contain any parts that can be replaced or repaired by the user.
- When determining the flow rate characteristic of controlled devices, the recognised directives must be observed.

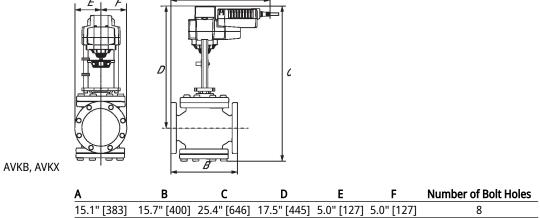


G6125LCS

Dimensions								
Туре		DN				Weight		
G6125LCS		125			1	47.74 lb [67	kg]	
	EVB, EVX, RVB, RVX							
		Α	В	С	D	E	F	Number of Bolt Hole
		15.7" [400] 1	5.1" [383]	25.4" [646]	17.5" [445]	5.0" [127]	5.0" [127]	8









for DC 2...10 V or 4...20 mA

Modulating, Non-Spring Return, Linear, 24 V,

Technical data sheet

EVB24-SR





Technical data

Electrical data	Nominal voltage	AC/DC 24 V			
	Nominal voltage frequency	50/60 Hz			
	Power consumption in operation	5 W			
	Power consumption in rest position	1.5 W			
	Transformer sizing	7.5 VA (class 2 power source)			
	Electrical Connection	18 GA plenum cable, 3 ft [1 m], with 1/2"			
		conduit connector, degree of protection NEMA			
		2 / IP54			
	Overload Protection	electronic throughout full stroke			
	Electrical Protection	actuators are double insulated			
Functional data	Actuating force motor	2500 N [560 lbf]			
	Operating range Y	210 V			
	Operating range Y note	420 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)			
	Input Impedance	100 kΩ for 210 V (0.1 mA), 500 Ω for 420 mA			
	Position feedback U	210 V			
	Position feedback U note	Max. 0.5 mA			
	Direction of motion motor	selectable with switch 0/1			
	Manual override	5 mm hex crank (3/16" Allen), supplied			
	Stroke	2" [50 mm]			
	Running Time (Motor)	90 s /			
	Running time motor note	constant, independent of load			
	Noise level, motor	60 dB(A)			
	Position indication	Mechanically, with pointer			
Safety data	Degree of protection IEC/EN	IP54			
	Degree of protection NEMA/UL	NEMA 2			
	Enclosure	UL Enclosure Type 2			
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA			
		E60730-1:02, CE acc. to 2014/30/EU and			
		2014/35/EU; Listed to UL 2043 - suitable for use in air plenums per Section 300.22(c) of the NEC			
		and Section 602.2 of the IMC			
	Quality Standard	ISO 9001			
	Ambient temperature	-22122°F [-3050°C]			
	Storage temperature	-40176°F [-4080°C]			
	Ambient humidity	Max. 95% RH, non-condensing			
	Servicing	maintenance-free			
Materials	Housing material	Die cast aluminium and plastic casing			



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Footnotes

[†] Use flexible metal conduit. Push the listed conduit fitting device over the actuator's cable to butt against the enclosure. Screw in conduit connector. Jacket the actuators input wiring with listed flexible conduit. Properly terminate the conduit in a suitable junction box. Rated impulse Voltage 800V. Type of action 1. Control pollution degree 3.

Electrical installation

X INSTALLATION NOTES

Actuators may also be powered by DC 24 V.

A 500 Ω resistor (ZG-R01) converts the 4...20 mA control signal to 2...10 V.

 \bigwedge Actuators with plenum cable do not have numbers; use color codes instead.

Meets cULus requirements without the need of an electrical ground connection.

Warning! Live electrical components!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.



VDC / 4 to 20 mA

