VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet
All-metal angle valve, Series 570, DN 63 (ID 2½")
Ordering No. 57036-GE21-0002

Description

Flange	CF-R, DN63
Actuator	Pneumatic, single acting with closing spring – without solenoid – with position indicator
Feedthrough	Bellows

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-10}$ mbar ls^{-1}
	– Valve seat	$< 1 \cdot 10^{-10}$ mbar ls^{-1}
Pressure range		XHV to 5 bar (abs)
Test pressure		≤ 1 bar
Differential pressure on the plate	– In opening and closing direction	≤ 5 bar
Differential pressure at opening		≤ 1 bar with reduced number of cycles]
Conductance (molecular flow)		125 ls^{-1}
Cycles until first service		10 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body	≤ 450 °C open ≤ 350 °C closed
	– Actuator	≤ 150 °C
	– Position indicator	≤ 80 °C
Heating and cooling rate		60 °C h^{-1}
Material	– Valve body	AISI 316L (1.4435 / 1.4404)
	– Mechanism	AISI 316L (1.4435 / 1.4404)
	– Bellows	AISI 316L (1.4435 / 1.4404)
Seal	– Bonnet	metal, silver plated
	– Plate	metal, silver plated
	– Actuator	FKM (Viton®)
Radiation resistance	– Valve	10^8 Gy (10^{10} rad)
	– Actuator	10^5 Gy (10^7 rad)
	– Position indicator	10^5 Gy (10^7 rad)
Mounting position		any
Volume of pneumatic actuator		0.8 l / 0.028 ft^3
Compressed air min. – max. overpressure		6 – 9 bar / 87 – 131 psig
Compressed air connection		R ⅛" (USA ⅛ NPT)
Actuation time	– Closing	4 s
	– Opening	4 s

Weight		26.0 kg / 57.3 lbs
Behavior in case of compressed air pressure drop	– Valve closed – Valve open	valve remains closed valve closes
Behavior in case of power failure	– Valve closed – Valve open	Depending on customer installation Depending on customer installation

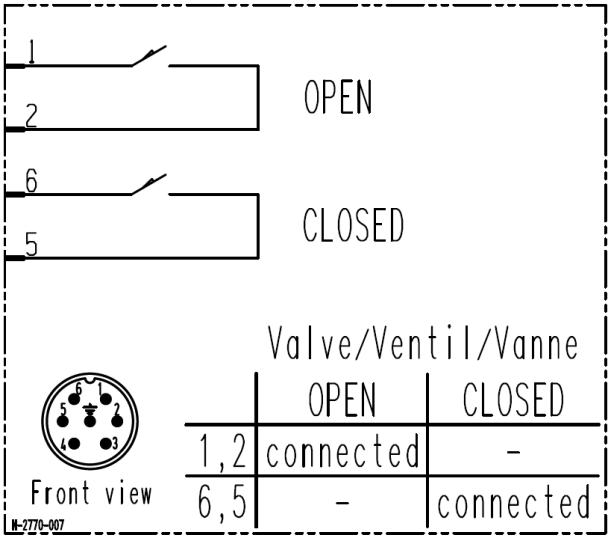
Related documents

Dimensional drawing No. 492087

Electrical connections

Position indicator

Type	Micro switch
Voltage	≤ 50 V AC / DC
Current max.	≤ 1.2 A



Wiring diagram