

Product data sheet

UHV angle valve, Series 284, DN 63 (ID 2 1/2") Ordering No. 28436-GE21-CVK1

Description

Flange CF-R 63

Pneumatic, single acting with closing spring Actuator

> without solenoid valve with position indicator

Feedthrough **Bellows**

Options CVK = - Product: valve type ITER 22

> - Actuator: seal material EPDM - Gate: seal material EPDM

- Position indicator: double; Glenair 4 pin connector;

120°C

- Compressed air connection: female 1/8" ISO/NPT

Technical data¹

Leak rate - Valve body $\leq 1 \cdot 10^{-8} \text{ mbar Is}^{-1}$

> - Valve seat < 1 · 10⁻⁸ mbar ls⁻¹

Leak rate (accidental condition) Valve body $\leq 1 \cdot 10^{-8} \text{ mbar ls}^{-1}$

> - Valve seat n/a

1 · 10⁻⁸ mbar to 1.5 bar (abs) Pressure range

Differential pressure on the plate - In either direction ≤ 1.5 bar Differential pressure at opening ≤ 1 bar Conductance (molecular flow) 160 Is-1 Closing time ≤ 0.70 sec.

10 000

Cycles until first service (Tmax 80 °C, under clean conditions)

Temperature Valve body ≤ 150 °C (Maximum values: depending on Actuator ≤ 150 °C operating conditions and sealing Position indicator ≤ 120 °C

Material - Valve body AISI 316L (1.4404)

> Actuator Aluminum

- Plate AISI 316L (1.4404)

- Bellows AISI 316L (1.4404, 1.4435) AISI 316 Ti (1.4571)

- Bonnet O-ring Seal **EPDM** - Plate O-ring

- Actuator O-ring **EPDM**

Weight 4.76 kg / 10.55 lbs

Mounting position any

Radiation resistance 106 Gy (108 rad)

≤ 150 mT Maximum magnetic field levels

¹ Values according technical specification D_R8752R v.1.1

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Modified by: Phil Schneider	Release date: 15.02.2021	957816EB



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Volume of pneumatic actuator 0.112 I / 0.0040 ft3

Compressed air

min. - max. overpressure

Compressed air connection

Behavior in case of compressed

air pressure drop

Valve closed

valve remains closed and leaktight

 Valve opened valve closes leaktight During actuation valve closes leaktight

Behavior in case of power failure Valve closed

- Valve opened

- During actuation

depending on customer installation depending on customer installation depending on customer installation

4 - 8 bar / 58 - 116 psi

1/8" female ISO/NPT

ISO Class 8

Assembly cleanliness level

Related documents

Dimensional drawing No. 956623 STEP file No. 956622

Electrical connections

Position indicator (2x)

Type Micro switch Voltage ≤ 50 V AC / DC Current 5 - 100 mA

Short circuit protected No

Connector on the valve: 8070-2530-02Z16-4GA

Mating connector:* 8070-3039-01Z16-4KA

(pins compatible with AWG 20

wire)

1		OPEN			
CLOSED/INTERMEDIATE Valve/Ventil/Vanne					
	(INTERMEDIATE	. 1	
$\overline{1}$	2 con	nected	-	-	
$1 \begin{pmatrix} \bullet & \bullet \end{pmatrix} \overline{1}$	4	-	connected	-	
Front view 1,	3	-	-	connected	
Wiring diagram					

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^{*}The mating connector is not part of the valve and needs to be ordered separately at Glenair.