



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

UHV inline valve
Series 285, DN 40 (ID 1 1/2")
Ordering No. 28532-KE08-CQS1

Description

Flange		ISO-KF 40
Actuator		Manual actuator – with position indicator
Feedthrough		Bellows
Options	CQS =	– Product: valve type ITER 25 – Gate: seal material EPDM – Position indicator: Glenair 4 pin connector; 120 °C

Technical data

Leak rate	– Valve body – Valve seat	$\leq 1 \cdot 10^{-8}$ mbar ls ⁻¹ $< 1 \cdot 10^{-8}$ mbar ls ⁻¹
Leak rate (accidental condition)	– Valve body – Valve seat	$\leq 1 \cdot 10^{-8}$ mbar ls ⁻¹ n/a
Pressure range		$1 \cdot 10^{-8}$ mbar to 1.5 bar (abs)
Differential pressure on the plate	– In either direction	≤ 1.5 bar
Differential pressure at opening		≤ 1 bar
Conductance (molecular flow)		45 ls ⁻¹
Cycles until first service (tested at room temp. under clean and static vacuum conditions)		10'000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Hand wheel – Position indicator	≤ 150 °C ≤ 120 °C ≤ 120 °C
Material	– Valve body – Hand wheel – Plate – Bellows	Stainless Steel (AISI 304) Plastic AISI 316L (1.4435 ESU) AISI 316L (1.4404, 1.4435), AISI 316 Ti (1.4571)
Seal	– Plate O-ring	EPDM
Weight		1.7 kg / 3.748lbs
Mounting position		any

Related documents

Dimensional drawing No.	948665
STEP file No.	948664

Created by: GARM	Release date: 18.02.2019	1/2
Modified by: Phil Schneider	Release date: 15.02.2021	966298EA



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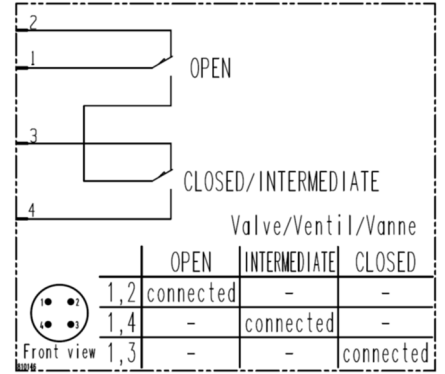
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Electrical connections

Position indicator

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)



Wiring diagram

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

Created by: GARM	Release date: 18.02.2019	2/2
Modified by: Phil Schneider	Release date: 15.02.2021	966298EA