



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-Metal Gate Valve, Series 48.1, DN 40 (ID 1 1/2")

OSL-Article No. 48132-CE01-0002

Description

Flange	DN 40 CF-F
Actuator	manual actuator
Feedthrough	bellows

Technical data

Leak rate	
- To the outside	$< 1 \cdot 10^{-10} \text{ mbar ls}^{-1}$
- Seat	$< 1 \cdot 10^{-10} \text{ mbar ls}^{-1}$
Molecular flow conductance	100 ls^{-1}
Pressure range	XUHV to 2 bar (abs)
Test pressure	1 bar
Differential pressure on the gate	
- in closing and opening direction	2 bar
Max. differential pressure at opening	
- in closing and opening direction	1 bar
Cycles until first service	20'000
Bake-out temperature	
- Valve	300°C
- Actuator	140°C
Heating and cooling rate	50°C h^{-1}
Material	
- Body	1.4435, AISI 316 L
- Flange	1.4435 ESU, AISI 316 L ESR
- Gate	1.4435, AISI 316 L
- Mechanism (in contact with media)	1.4435, AISI 316 L
- Bellows	1.4435, AISI 316 L
Seal	
- Bonnet	metal
- Gate	metal
Mounting position	any
Radiation resistance	
- Valve	$10^8 \text{ Gy (} 10^{10} \text{ rad)}$
- Actuator	$10^5 \text{ Gy (} 10^7 \text{ rad)}$
Turns per stroke	21
Weight	5.5 kg / 12 lbs

Dimensions

Dimensional drawing No 84188

Created by: Martin Greuter	Release date: 02.07.12	Page 1 of 1
Modified by::	Release date:	296174EA