



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## PRODUCT DATA SHEET No. 285724EA

High Vacuum Gate Valve, Series 11, DN 320

Ordering No. 11050-PE01

### Description

Flange	ISO-F flange
Actuator	Manual actuator
Number of turns needed for full stroke	32 turns
Feedthrough	Metal Bellows

### Technical data

Leak rate	
- To the outside	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
- Seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Molecular flow conductance	35'000 ls <sup>-1</sup>
Pressure range	$1 \cdot 10^{-8}$ mbar to 1,6 bar (abs)
Differential pressure on the gate	
- in closing direction	$\leq 1,6$ bar
- in opening direction	$\leq 1,6$ bar
Max. differential pressure at opening	
- in closing direction	$\leq 30$ mbar
- in opening direction	$\leq 30$ mbar
Cycles until first service	200'000
Bake-out temperature	
- Valve	$\leq 150^{\circ}\text{C}$
- Actuator	$\leq 50^{\circ}\text{C}$
Heating and cooling rate	$\leq 50^{\circ}\text{C h}^{-1}$
Material	
- Body	1.4301, AISI 304
- Flange	1.4301, AISI 304
- Mechanism (in contact with media)	1.4301, AISI 304 / 1.4435, AISI 316 L
- Bellows	AM350
Seal	
- Bonnet	Viton
- Gate	Viton
Mounting position	Any
Weight	Approx. 65 kg / 143 lbs
Dimensional drawing	426302

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Replaced by	Replacement for	<b>285724EA</b>
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