



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 140, DN 320 (12")
Ordering No. 14050-PE06-0008

Description

Flange	ISO-F 320
Actuator	Manual, lever
Feedthrough	Rotary feedthrough

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
	– Valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-8}$ mbar to 1.2 bar (abs)
Differential pressure on the gate		≤ 1.2 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		32 690 ls ⁻¹
Cycles until first service	– Unheated and under clean conditions	200 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body	≤ 150 °C
	– Manual actuator	≤ 80 °C
Heating and cooling rate		50 °C h ⁻¹
Material (main components)	– Valve body	AISI 304 (1.4301)
	– Mechanism	AISI 304 (1.4301), AISI 301 (1.4310)
Seal	– Bonnet	FKM (Viton®), O-ring
	– Gate	FKM (Viton®), O-ring
	– Actuator	FKM (Viton®), NBR
Mounting position		any
Weight		95 kg / 210 lbs

Created by: VOM

Release date: 10.07.2009

1/1

Modified by:

Release date:

280253EA