



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Diaphragm valve
Series 220, DN 25 (ID 1")
Ordering No. 22028-KA01-0003

Description

Flange	ISO-KF 25
Actuator	Manual actuator
Feedthrough	Diaphragm

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
	– Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-7} \text{ mbar to 5 bar (abs)}$
Differential pressure on the plate		$\leq 5 \text{ bar in either direction}$
Conductance (molecular flow)		5 ls^{-1}
Cycles until first service		20 000
Temperature	– Valve body	$\leq 100 \text{ }^\circ\text{C}$
(Maximum values: depending	– Hand wheel	$\leq 50 \text{ }^\circ\text{C}$
on operating conditions and	– diaphragm	$\leq 100 \text{ }^\circ\text{C}$
sealing materials)		
Material	– Valve body	Aluminum (AlMg Si)
	– Hand wheel	POM
Seal	– diaphragm	FKM (Viton [®])
Mounting position		any

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