

With bypass valves

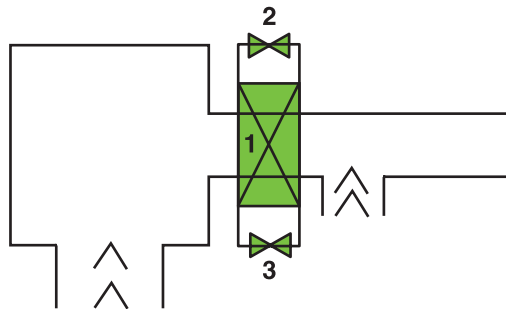
Pressure reduction of the process gas by means of two bypass valves with orifice

Analysis of the residual gases at base pressure with the gate valve open

Very compact



Function



- 1: Vacuum tight gate valve with manual or pneumatic actuator
- 2, 3: Bypass valves with manual or pneumatic actuator and application specific, easily exchangeable orifice

Technical data

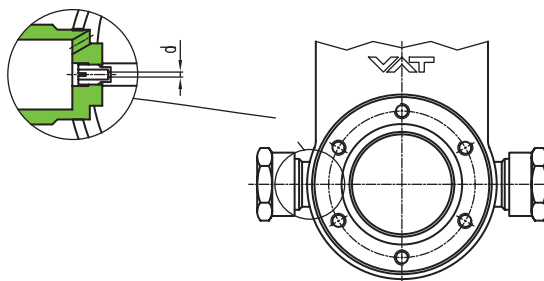
Gate valve: See section A, Mini UHV gate valve, Series 010

Bypass valve: exchangeable

- type «Nupro» with seat made of Kel-F (bakeable to 90°C)
- with manual actuator: type SS-4BKT
- with pneumatic actuator, single acting with closing spring (NC): type SS-4BK-1C

Available orifices

Size (d): 0.03 / 0.05 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.9 / 1 / 1.5 mm



Ordering information:

Ordering No. of valve-X (e. g. 01032-CE44-X,

X = with manually actuated Nupro valves, diaphragm A 0.2 mm, diaphragm B 0.4 mm)

With exchangeable orifice

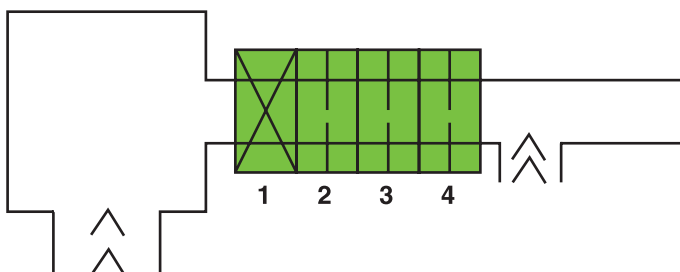
Pressure reduction of the process gas by means of maximum three gate valves with orifice

Analysis of the residual gases at base pressure with the gate valves open

Line of sight between analyzer and process chamber



Function



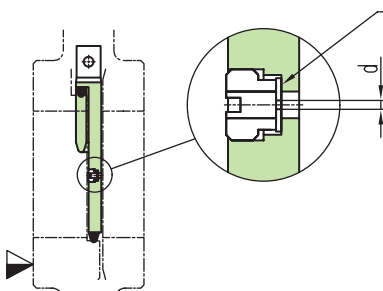
- 1: Vacuum tight gate valve with manual or pneumatic actuator
- 2, 3, 4: One to three gate valves, each rotated by 90°, with manual or pneumatic actuator and application specific, easily exchangeable orifice

Technical data

See section A, Mini UHV gate valve, Series 010

Available orifices

Size (d): 0.005 / 0.01 / 0.02 / 0.03 / 0.05 / 0.1 mm



Ordering information:

Ordering No. of valve-X (e. g. 01032-CE44-X,
X = 2 valves welded together, 1 valve rotated by 90°, diaphragm 0.1 mm)