

# Sinus pinch valve

for exact shutting off, distribution and dosing

# QV

Gas+  
Dust



# Explosion protection information and Supplement to the operating instructions

## Type label details

Manufacturer and address	CE sign with the number of the "Notified Body" which is involved in the production control phase
Marking for the gas atmosphere	Further details of the tube connection can be filed in this panel, for example: -R54x2R54x2- means tube 54x2 on both sides
Marking for the dust atmosphere	EU-type examination certificate number or number of the test log
Ambient temperature (max. application temperature)	Details about the max. permissible pressures

**MOLLET** Industriepark RIO 103  
Füllstandtechnik GmbH D-74706 Osterburken  
Tel. +49 62 91 64 400

Typ **QV020-GG-AE-NRE-B11**

**Ex** II 1/2G Ex h IIB T6 Ga/Gb IIBxU 08 ATEX 1012 X  
II 1/2D Ex h IIB T 80 °C Da/Db

-20 °C ≤ Ta ≤ +80 °C

Prozessdruck (PD)	max. 6,0 bar
Steuerdruck über PD	ca. 2,5 bar
Steuerdruck	max. 8,5 bar
Differenzdruck	max. 2,5 bar

Stück Nr. 1234567890 03/21  
Auftrag-Nr. 1234567890

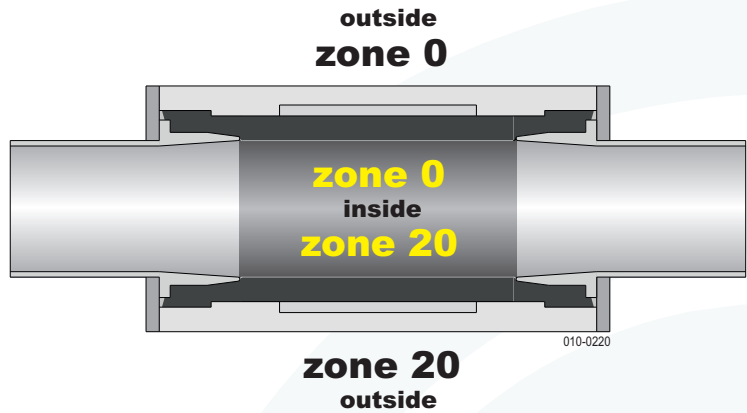
## Special conditions for safe application

- The pinch valve may only be used when its materials under the respective conditions of operation are so resistant against mechanical and/or chemical effects resp. corrosion that the explosion protection will not be disabled.
- By the usage of pinch valves with clamping sleeves of aluminium no rusty particles are allowed in the conveyed material if a gaseous explosive atmosphere is present.
- The pinch valve has to be connected to earth.
- Note that by using pinch valves of the categories 1G and 1/2G the process temperature must not be higher than 80% of the ignition temperature of the matter which conditioned the zone 0.  
By the application of pinch valves of the categories 1D, 1/2D or 2D pay attention to the hints given by the DIN-EN 1127-1 chapter 6.4.2 regarding the safety clearance of temperatures.
- If a combustible liquid is used as control medium, the ignition point of this liquid has to be higher than +135 °C.

**Equipment category appropriation by zones**

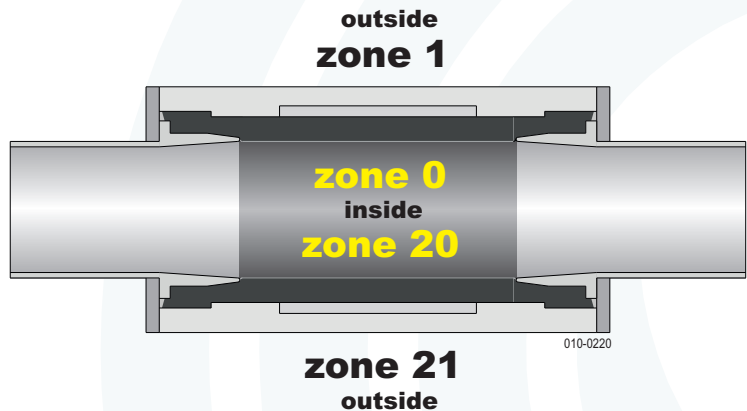
Order code **B22**

<b>MOLLET</b> Industriepark RIO 103 Füllstandtechnik GmbH D-74706 Osterburken Tel. +49 62 91 64 400		0044
Typ <b>QV013-GG-EE-NRE-<b>B22</b></b>		
II <b>1G</b> Ex h IIB T6 Ga II <b>1D</b> Ex h IIIB T 80 °C Da	IBE XU 08 ATEX 1012 X	
-20 °C ≤ Ta ≤ +80 °C	Prozessdruck (PD) max. 6,0 bar Steuerdruck über PD ca. 2,5 bar Steuerdruck max. 8,5 bar Differenzdruck max. 2,5 bar	
Stück Nr. 1234567890 03/21 Auftrag-Nr. 1234567890		



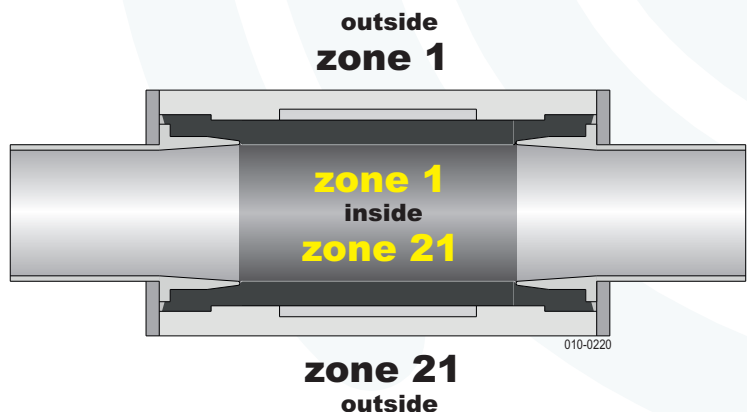
Order code **B11**

<b>MOLLET</b> Industriepark RIO 103 Füllstandtechnik GmbH D-74706 Osterburken Tel. +49 62 91 64 400		0044
Typ <b>QV020-GG-AE-NRE-<b>B11</b></b>		
II <b>1/2G</b> Ex h IIB T6 Ga/Gb II <b>1/2D</b> Ex h IIIB T 80 °C Da/Db	IBE XU 08 ATEX 1012 X	
-20 °C ≤ Ta ≤ +80 °C	Prozessdruck (PD) max. 6,0 bar Steuerdruck über PD ca. 2,5 bar Steuerdruck max. 8,5 bar Differenzdruck max. 2,5 bar	
Stück Nr. 1234567890 03/21 Auftrag-Nr. 1234567890		



Order code **B6**

<b>MOLLET</b> Industriepark RIO 103 Füllstandtechnik GmbH D-74706 Osterburken Tel. +49 62 91 64 400		0044
Typ <b>QV025-GG-AA-NRE-<b>B6</b></b>		
I <b>2G</b> Ex h IIB T6 Gb I <b>2D</b> Ex h IIIB T 80 °C Db	ATEX-PP-08-925 X	
-20 °C ≤ Ta ≤ +80 °C	Prozessdruck (PD) max. 4,0 bar Steuerdruck über PD ca. 2,5 bar Steuerdruck max. 6,5 bar Differenzdruck max. 2,5 bar	
Stück Nr. 1234567890 03/21 Auftrag-Nr. 1234567890		



**„X“ behind the certificate number**

Pay attention to the

“Special conditions for safe application”