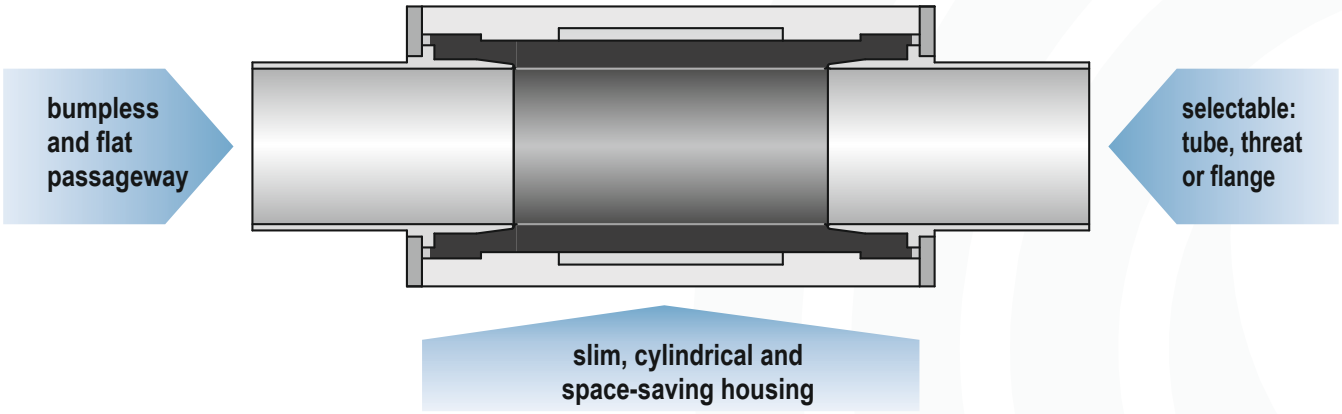
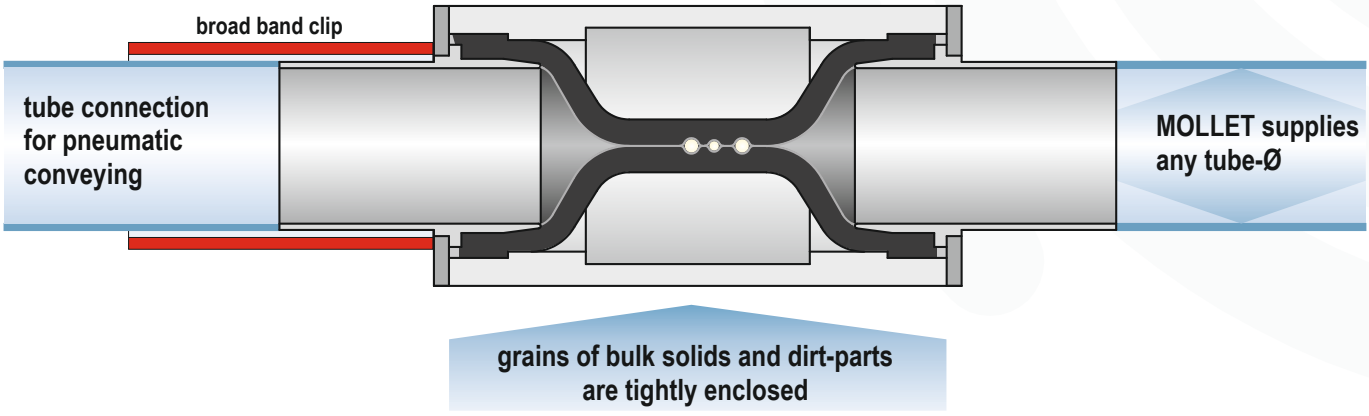
Level measurement	Guided wave radar	MOLOS wave	1
	Yo-Yo sensing systems	MOLOS bob	2
	Visualization	MOLOS visu	3
Level indicator	Rotation	MOLOS roto	4
	Membrane	MOLOS membran	5
	Vibration	MOLOS vibro	6
	Microwave barrier	MOLOS barrier	7
	Pendulum	MOLOS pendu	8
Hose couplings	Coding	MOLOS code	9
	Limit switch	MOLOS switch	10
	Swivelling lever	MOLOS swing	11
	Lockable couplings	MOLOS lock	12
bulk solids handling	Overfill protection	MOLOS safe	13
	Silo filling device	MOLOS safe	14
	Pressure gauge	MOLOS pressdec	15
	Microwave flow sensor	MOLOS flow	16
	Pinch valves	MOLOS valve	17

Product features

- suitable for bulk solids, liquids, gases and mixtures
- straight, unrestricted passage
- no stagnation points and no pressure losses

For shutting off, distributing and dosing powdery, granular,





Mode of operation

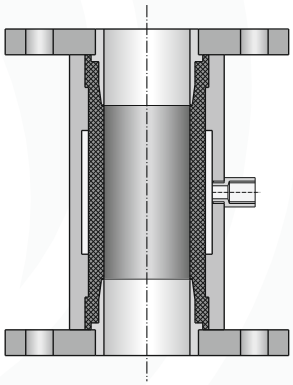
- simple principle
- the elastic closing sleeve is compressed by the control medium (air or water)
- existing solids will be enclosed
- always opens to its original circular shape

Use

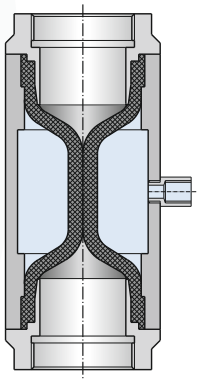
- food industy
- chemical industry
- enviroment technology
- construction industry
- silos

viscous, contaminated and aggressive substances and gases.

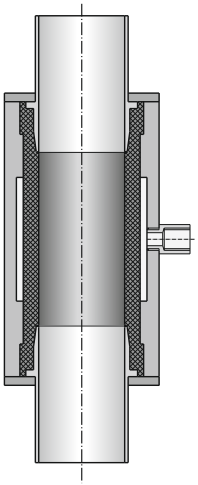
-FF- (flange-flange)



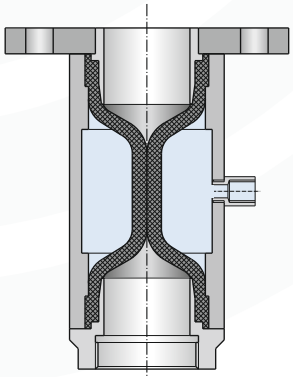
-GG- (thread-thread)



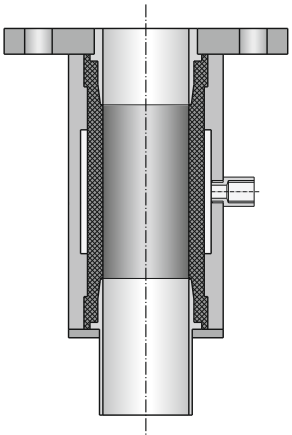
-RR- (tube-tube)



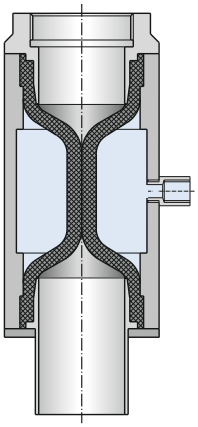
-FG- (flange-thread)



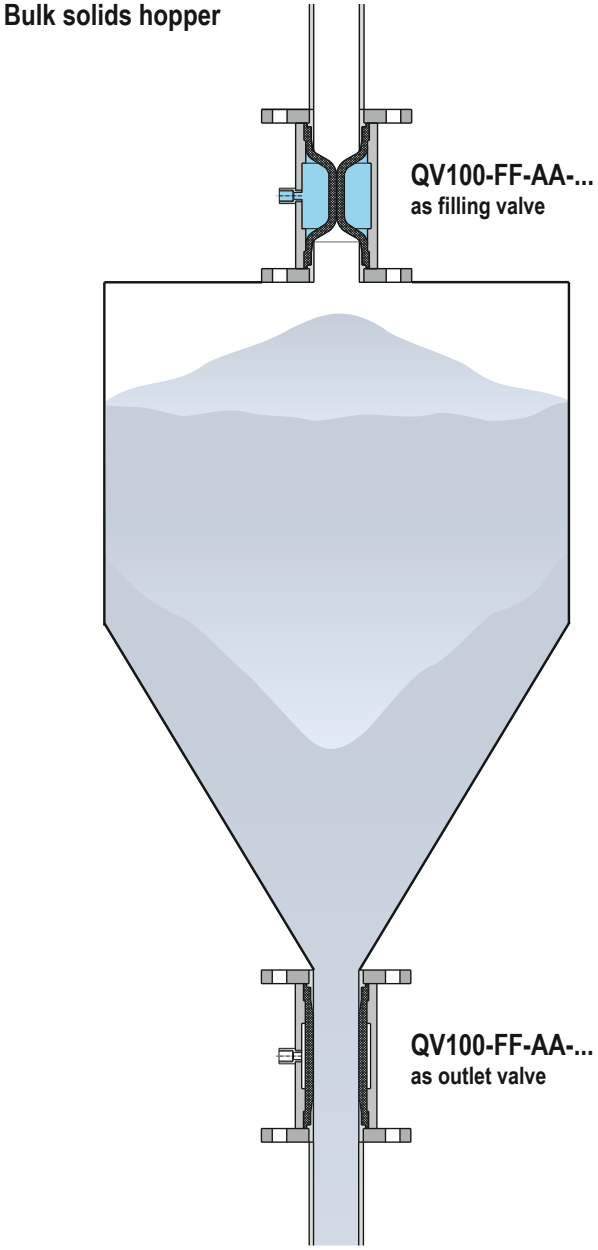
-FR- (flange-tube)

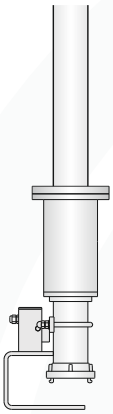


-GR- (thread-tube)



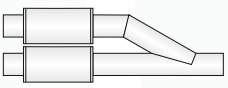
The ideal valve for pneumatic conveying of bulk solids.



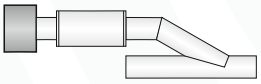


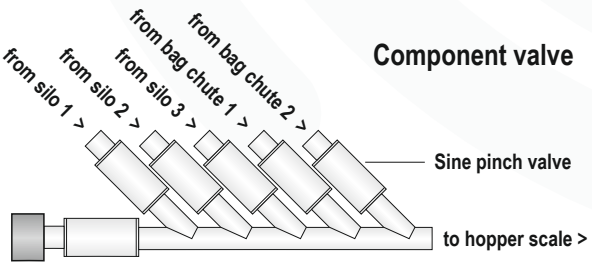
SFA
Silo filling device
Locking valve for silo overfill protection
with sine pinch valve QV080-FG-AE-...

Valve tube switch with QV-050-RR-...



Purging valve with QV-050-RR-...





Offer information 2024-2025

QV013
Sine pinch valve

ATEX option B6: Gas+ Dust (Ex) II 2G IIB and II 2D IIIB

ATEX option B11: Gas+ Dust (Ex) II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+ Dust (Ex) II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Only available in conjunction with stainless steel clamping sleeves

Basic device

Connection side 1
G Internal thread IG½ DIN EN ISO 228-1

Connection side 2
G Internal thread IG½ DIN EN ISO 228-1

Options

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request
- P Plastic POM black

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti ..... on request
- P Plastic POM black

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food ..... on request
- EP EPDM for food
- VI Viton® (FKM) ..... on request
- NRE Caoutchouc, resistant to abrasion for ATEX* ..... on request
- EPE EPDM for food and ATEX* ..... on request

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex II 1/2G IIB und II 1/2D IIIB
- B22 Ex II 1G IIB und II 1D IIIB

>>> by ATEX always NRE or EPE closing hose

QV013 – G G – – – – – Order code

QV020
Sine pinch valve

ATEX option B6: Gas+ Dust (Ex) II 2G IIB and II 2D IIIB

ATEX option B11: Gas+ Dust (Ex) II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+ Dust (Ex) II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Only available in conjunction with stainless steel clamping sleeves

Basic device

Connection side 1
G Internal thread IG¾ DIN EN ISO 228-1

Connection side 2
G Internal thread IG¾ DIN EN ISO 228-1

Options

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request
- P Plastic POM black ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti ..... on request
- P Plastic POM black ..... on request

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food ..... on request
- EP EPDM for food ..... on request
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX* ..... on request

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex I 1/2G IIB und II 1/2D IIIB
- B22 Ex I 1G IIB und II 1D IIIB

>>> by ATEX always NRE closing hose

QV020 – G G – – – – – Order code

Offer information 2024-2025

QV025
Sine pinch valve

ATEX option B6: Gas+Dust Ex II 2G IIB and II 2D IIIB

ATEX option B11: Gas+Dust Ex II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+Dust Ex II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Only available in conjunction with stainless steel clamping sleeves

Basic device

Connection side 1
G Internal thread IG1 DIN EN ISO 228-1

Connection side 2
G Internal thread IG1 DIN EN ISO 228-1

Options

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request
- P Plastic POM black ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti
- P Plastic POM black ..... on request

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food ..... on request
- VI Viton® (FKM) ..... on request
- NRE Caoutchouc, resistant to abrasion for ATEX* .....

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex II 1/2G IIB und II 1/2D IIIB
- B22 Ex II 1G IIB und II 1D IIIB

>>> by ATEX always NRE closing hose

QV025	–	G	G	–			–		–		← Order code

QV032
Sine pinch valve

ATEX option B6: Gas+Dust Ex II 2G IIB and II 2D IIIB

ATEX option B11: Gas+Dust Ex II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+Dust Ex II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Only available in conjunction with stainless steel clamping sleeves

Basic device

Connection side 1
G Internal thread IG1¼ DIN EN ISO 228-1

Connection side 2
G Internal thread IG1¼ DIN EN ISO 228-1

Options

Housing made of
- A Aluminium AlMgSi, eloxiert
- E Stainless steel 1.4571 / 316 Ti ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX* .....

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex II 1/2G IIB und II 1/2D IIIB
- B22 Ex II 1G IIB und II 1D IIIB

>>> by ATEX always NRE closing hose

QV032	–	G	G	–			–		–		← Order code

* Only available in conjunction with stainless steel clamping sleeves

Offer information 2024-2025

QV040
Sine pinch valve

ATEX option B6 — Gas+Dust — II 2G IIB and II 2D IIIB

ATEX option B11 — Gas+Dust — II 1/2G IIB and II 1/2D IIIB

ATEX option B22 — Gas+Dust — II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Other tube diameters on request
We manufacture every Ø according to customer requirements!

** Only available in conjunction with stainless steel clamping sleeves

Basic device

Options

Connection side 1
- F Flange PN6 Ø150 x 12, LK110, 4 x M16
- G Internal thread IG1½ DIN EN ISO 228-1
- R Pipe Ø40 x 1,5*

Connection side 2
- F Flange PN6 Ø150 x 12, LK110, 4 x M16
- G Internal thread IG1½ DIN EN ISO 228-1
- R Pipe Ø40 x 1,5*

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food ..... on request
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX**

ATEX certifications Gas+Dust
- B6 II 2G IIB und II 2D IIIB
- B11 II 1/2G IIB und II 1/2D IIIB
- B22 II 1G IIB und II 1D IIIB

>>> by ATEX always NRE closing hose

QV040 – ☐☐☐ – ☐☐☐ – ☐ – ☐ ← Order code

QV050
Sine pinch valve

ATEX option B6 — Gas+Dust — II 2G IIB and II 2D IIIB

ATEX option B11 — Gas+Dust — II 1/2G IIB and II 1/2D IIIB

ATEX option B22 — Gas+Dust — II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Other tube diameters on request
We manufacture every Ø according to customer requirements!

** Only available in conjunction with stainless steel clamping sleeves

Basic device

Options

Connection side 1
- F Flange PN6 Ø165 x 15, LK125, 4 x M16
- G Internal thread IG2 DIN EN ISO 228-1
- R Pipe Ø50 x 1,5*

Connection side 2
- F Flange PN6 Ø165 x 15, LK125, 4 x M16
- G Internal thread IG2 DIN EN ISO 228-1
- R Pipe Ø50 x 1,5*

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food
- VI Viton® (FKM) ..... on request
- NRE Caoutchouc, resistant to abrasion for ATEX**
- EPE EPDM for food and ATEX**

ATEX certifications Gas+Dust
- B6 II 2G IIB und II 2D IIIB
- B11 II 1/2G IIB und II 1/2D IIIB
- B22 II 1G IIB und II 1D IIIB

QV050 – ☐☐☐ – ☐☐☐ – ☐ – ☐ ← Order code

Offer information 2024-2025

QV065
Sine pinch valve

ATEX option B6: Gas+ Ex and Dust — II 2G IIB and II 2D IIIB

ATEX option B11: Gas+ Ex and Dust — II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+ Ex and Dust — II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Other tube diameters on request
We manufacture every Ø according to customer requirements!

** Only available in conjunction with stainless steel clamping sleeves

Basic device

Options

Connection side 1
- F Flange PN6 Ø185 x 15, LK145, 4 x M16
- G Internal thread IG2½ DIN EN ISO 228-1
- R Pipe Ø65 x 2*

Connection 2
- F Flange PN6 Ø185 x 15, LK145, 4 x M16
- G Internal thread IG2½ DIN EN ISO 228-1
- R Pipe Ø65 x 2*

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX**
- EPE EPDM for food and ATEX**

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex II 1/2G IIB und II 1/2D IIIB
- B22 Ex II 1G IIB und II 1D IIIB

>>> by ATEX always NRE or EPE closing hose

QV065 – – – – Order code

QV080
Sine pinch valve

ATEX option B6: Gas+ Ex and Dust — II 2G IIB and II 2D IIIB

ATEX option B11: Gas+ Ex and Dust — II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+ Ex and Dust — II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Other tube diameters on request
We manufacture every Ø according to customer requirements!

** Only available in conjunction with stainless steel clamping sleeves

Basic device

Options

Connection side 1
- F Flange PN6 Ø200 x 15, LK160, 4 x M16
- G Internal thread IG3 DIN EN ISO 228-1
- R Pipe Ø80 x 2*

Connection 2
- F Flange PN6 Ø200 x 15, LK160, 4 x M16
- G Internal thread IG3 DIN EN ISO 228-1
- R Pipe Ø80 x 2*

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX**
- EPE EPDM for food and ATEX**

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex II 1/2G IIB und II 1/2D IIIB
- B22 Ex II 1G IIB und II 1D IIIB

>>> by ATEX always NRE or EPE closing hose

QV080 – – – – Order code

Offer information 2024-2025

QV100
Sine pinch valve

ATEX option B6: Gas+ Dust — II 2G IIB and II 2D IIIB

ATEX option B11: Gas+ Dust — II 1/2G IIB and II 1/2D IIIB

ATEX option B22: Gas+ Dust — II 1G IIB and II 1D IIIB

hybrid mixtures on request

* Other tube diameters on request
We manufacture every Ø according to customer requirements!

** Only available in conjunction with stainless steel clamping sleeves

Basic device

Options

Connection side 1
- F Flange PN6 Ø220 x 15, LK180, 4 x M16
- G Internal thread IG4 DIN EN ISO 228-1
- R Pipe Ø100 x 2*

Connection side 2
- F Flange PN6 Ø220 x 15, LK180, 4 x M16
- G Internal thread IG4
- R Pipe Ø100 x 2*

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX**
- EPE EPDM for food and ATEX**

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB
- B11 Ex II 1/2G IIB und II 1/2D IIIB
- B22 Ex II 1G IIB und II 1D IIIB

>>> by ATEX always NRE or EPE closing hose

QV100 – [ ][ ] – [ ][ ] – [ ] – [ ] ← Order code

QV125
Sine pinch valve

ATEX option B6: Gas+ Dust — II 2G IIB and II 2D IIIB

* Only available in conjunction with stainless steel clamping sleeves

Basic device

Connection side 1
- F Flange PN6 Ø250 x 20, LK210, 4 x M16

Connection side 2
- F Flange PN6 Ø250 x 20, LK210, 4 x M16

Options

Housing made of
- A Aluminium AlMgSi, anodized
- E Stainless steel 1.4571 / 316 Ti ..... on request

Clamping sleeves (product touching) made of
- A Aluminium AlMgSi
- E Stainless steel 1.4571 / 316 Ti

Closing hose (product touching) made of
- NR Caoutchouc, resistant to abrasion
- NW Caoutchouc, inside white for food
- EP EPDM for food
- VI Viton® (FKM)
- NRE Caoutchouc, resistant to abrasion for ATEX*
- EPE EPDM for food and ATEX*

ATEX certifications Gas+Dust
- B6 Ex II 2G IIB und II 2D IIIB

>>> by ATEX always NRE or EPE closing hose

QV125 – F F – [ ][ ] – [ ] – [ ] ← Order code

Offer information 2024-2025 for spare parts

Closing hose (MOLLET-sine-hose) as spare part

NR Caoutchouc black, resistant to abrasion

Order code

QV-SM013-NR	
QV-SM020-NR	
QV-SM025-NR	
QV-SM032-NR	
QV-SM040-NR	
QV-SM050-NR	
QV-SM065-NR	
QV-SM080-NR	
QV-SM100-NR	
QV-SM125-NR	

VI Viton® (FKM) black

Bestellcode

QV-SM013-VI	on request
QV-SM020-VI	
QV-SM025-VI	on request
QV-SM032-VI	
QV-SM040-VI	
QV-SM050-VI	on request
QV-SM065-VI	
QV-SM080-VI	
QV-SM100-VI	
QV-SM125-VI	

Closing hose for food (MOLLET-sine-hose) as spare part

EP EDPM black, for food

Order code

QV-SM013-EP	
QV-SM020-EP	on request
QV-SM025-EP	on request
QV-SM032-EP	
QV-SM040-EP	on request
QV-SM050-EP	
QV-SM065-EP	
QV-SM080-EP	
QV-SM100-EP	
QV-SM125-EP	

NW Caoutchouc, inside white for food

Order code

QV-SM013-NW	on request
QV-SM020-NW	on request
QV-SM025-NW	
QV-SM032-NW	
QV-SM040-NW	
QV-SM050-NW	
QV-SM065-NW	
QV-SM080-NW	
QV-SM100-NW	
QV-SM125-NW	

Closing hose for ATEX and food (MOLLET-sine-hose) as spare part

EPE EDPM black, for food and ATEX

Order code

QV-SM050-EPE	
QV-SM065-EPE	
QV-SM080-EPE	
QV-SM100-EPE	
QV-SM125-EPE	on request

NRE Caoutchouc black, resistant to abrasion for A

Order code

QV-SM013-NRE	on request
QV-SM020-NRE	
QV-SM025-NRE	
QV-SM032-NRE	
QV-SM040-NRE	
QV-SM050-NRE	
QV-SM065-NRE	
QV-SM080-NRE	
QV-SM100-NRE	
QV-SM125-NRE	

Offer information 2024-2025 for accessories

3/2 way solenoid valve

Order code .A (= installed)	Order code .B (= parts)	Designation	ATEX approval
0 820 005 250.A	0 820 005 250.B	**3/2 way solenoid valve**, normally open, **230 V AC** (QV normally closed)	
0 820 005 251.A	0 820 005 251.B	**3/2 way solenoid valve**, normally open, **24 V DC** (QV normally closed)	
0 200 107 548.A	0 200 107 548.B	**3/2 way solenoid valve**, normally open, **230 V AC** (QV normally closed)	Ex II 3G / II 3D
0 200 107 545.A	0 200 107 545.B	**3/2 way solenoid valve**, normally open, **24 V DC** (QV normally closed)	Ex II 3G / II 3D
0 200 41 371.A	0 200 041 371.B	**3/2 way solenoid valve**, normally open, **230 V AC** (QV normally closed)	Ex II 2G / II 2D
0 003 50 452.A	0 200 350 452.B	**3/2 way solenoid valve**, normally open, **24 V DC** (QV normally closed)	Ex II 2G / II 2D
0 820 005 150.A	0 820 005 150.B	**3/2 way solenoid valve**, normally closed, **230 V AC** (QV normally open)	
0 820 005 151.A	0 820 005 151.B	**3/2 way solenoid valve**, normally closed, **24 V DC** (QV normally open)	
0 200 107 583.A	0 200 107 583.B	**3/2 way solenoid valve**, normally closed, **230 V AC** (QV normally open)	Ex II 3G / II 3D
0 200 107 580.A	0 200 107 580.B	**3/2 way solenoid valve**, normally closed, **24 V DC** (QV normally open)	Ex II 3G / II 3D

Quick air-exhaust valve

Order code .A (= installed)	Order code .B (= parts)	Designation
0 821 002 003.A	0 821 002 003.B	**Quick air-exhaust valve G¼** incl. silencer G⅜

Compressed air switch

Order code .A (= installed)	Order code .B (= parts)	Designation	ATEX approval
Q-DS901-3.A	Q-DS901-3.B	**Compressed air switch**	
PDC-1-008-T-3-5.A	PDC-1-008-T-3-5.B	**Compressed air switch** with cable connection, cable length 5 m	
PDC-1-008-T-3-1.A	PDC-1-008-T-3-1.B	**Compressed air switch** with device socket	
PDC-1-008-T-3-5-B9.A	PDC-1-008-T-3-5-B9.B	**Compressed air switch** with cable connection for **ATEX**, cable length 5 m	Ex II 3D

Offer information

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