

Peter Meyer

Ball valves

Ball valves for solids

avintos
FLOW CONTROL

Features

- Swiss manufacturer
- Split body design
- Full bore
- Trunnion mounted
- Only one seat
- Seat with pre-loaded spring element
- Full ball or segment available
- Bearings and spring chamber protected against dirt through O-Rings
- Anti blow-out stem
- Antistatic
- Fire Safe Design
- All valves comply to PED 2014/68/EU
- ATEX certification acc. directive 2014/34/EU

Technical data

Sizes (mm):	DN 25 – DN 200
Pressure class:	PN 10 – PN 40 or ANSI Class 150/300 lbs (other pressure classes on request)
Temperature range:	-60°C up to +650°C (in acc. to the ratings)
Connections:	Flanges acc. to EN 1092-1
Top flange:	In acc. to DIN EN ISO 5211:2001

Options

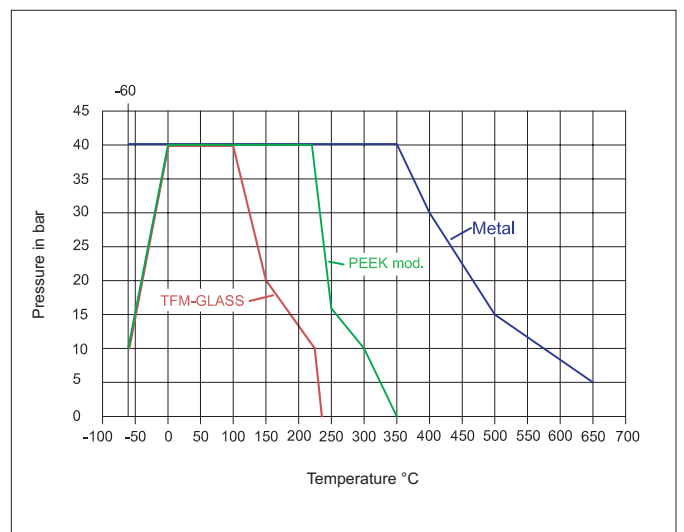
- Stem extension (special length available)
- Heating jacket
- Flushing bore
- Different flange facings

General applications

Suitable for dry and abrasive solids, such as powders, ash and so on.



Pressure and Temperature Ratings for the seats



Depending on size and pressure rating

Ball valves for solids

Dimensions and weight

with wrench

DN	KB* ø mm	PN	L	H1	H2	H3	G	AD	ISO 5211	Weight** (kg)
25	25	40	60	72	143	63	300	115	F07	6
40	40	40	80	91	163	64	500	150	F10	10
50	50	40	95	105	180	64	500	165	F10	16
65	65	16/40	125	122	204	72	500	180	F10	18
80	80	16/40	150	166		gear		210	F12	30
100	100	16/40	190	178		gear		250	F12	39
125	125	16/40	240	203		gear		290	F12	65
150	150	16/40	260	233		gear		330	F14	84
200	200	16/40	330	272		gear		420	F16	118

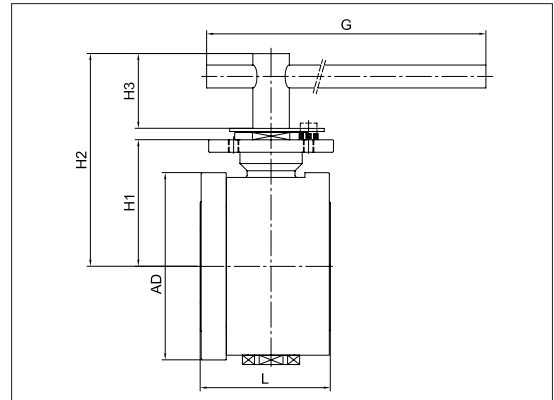
*KB = Ball bore

** Weight bare shaft

DN 80 – 150 with gear on request

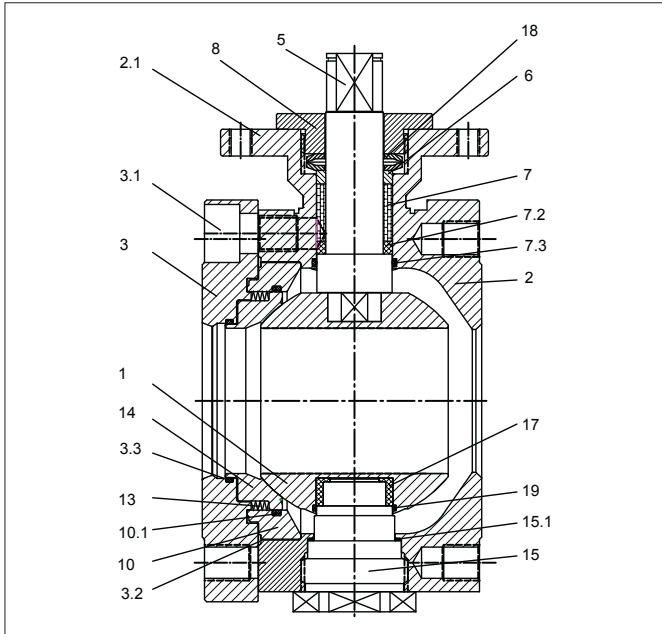
Intermediate piece for face-to-face acc. to EN 558 series 1 available

Dimensions in mm



Flange facing acc. to EN 1092-1 Form B1

Parts list



Item	Description	Material	Quantity
1	Ball	1.4408, metallic coated	1
2	Body	1.4404	1
2.1	Gland	1.4404	1
3	End flange	1.4404	1
3.1	Screw	A2	8
3.2	Body seal	Graphite	1
3.3	O-Ring	Viton	1
5	Stem	1.4418	1
6	Thrust ring	1.4305	1
7	Stem packing	Divers	1
7.2	Bearing kit	PEEK	1
7.3	O-Ring	Viton	1
8	Gland cover	1.4305	6
10	Insert ring	1.4404	1
10.1	O-Ring	Viton	1
13	Seat spring	1.4568	1
14	Seat	Metallic coated	1
15	Counter bearing bolt	1.4404	1
15.1	Counter bearing seal	Graphite	1
17	Counter bearing bush	PEEK	1
18	Spring washer	1.4310	2
19	O-Ring	Viton	1

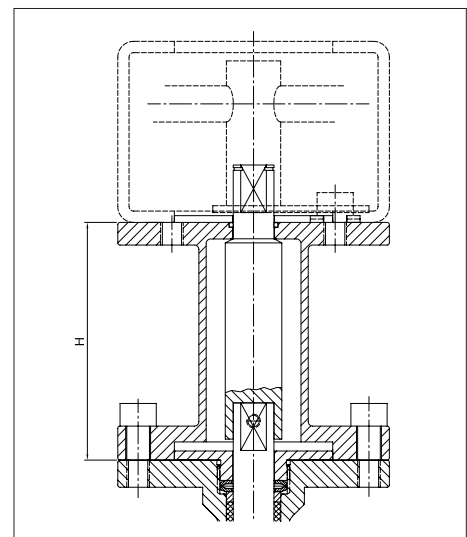
Optionen

Stem extension in 1.4418 and support in 1.4307

For moveable wrench or mounting bracket

DN	Type	H
15	SVL010020PM + SVSM015PM	81
25	SVL025032PM + SVSM025PM	81
40	SVL040050PM + SVSM040PM	105
50 – 65	SVL065100PM + SVSM050065PM	105
80 – 100	SVL150000PM + SVS150000PM	105
150	SVLM150200PM + SVSM150000PM	160

Dimensions in mm



Subject to alterations

Product coding

C 67 Z 0 V 0 2 4404 40 065 F10

Connections

C – Wafer type*

Seat/Ball material

3 – TFM-Glass / 1.4408
uncoated
5 – PEEK mod. / 1.4408
uncoated
66 – KVT404 / KVT404
77 – KVT231 / KVT231
67 – KVT404 / KVT231*
86 – KVT433 / KVT404
99 – KVT176 / KVT176
Kx – Special coating

Mounting

Z – Centric*

Options 1

0 – No options*
6 – Heating jacket in 1.4307

Sealing

Seat / packing and counter bearing (O-Rings)

V – Viton / Viton*
P – Perfluor / Perfluor
F – Fluoraz / Fluoraz
K – Kalrez / Kalrez
GDV – Graphite / Viton
GDP – Graphite / Perfluor
GDF – Graphite / Fluoraz
GDK – Graphite / Kalrez

Options 2

0 – No options*
3 – Packing with O-Ring insert
8 – Packing Graphite

* Standard

Top flange acc. to ISO 5211

F05 – F05
F07 – F07
F10 – F10
F12 – F12
F14 – F14
F16 – F16

Size

25 – DN 25
40 – DN 40
50 – DN 50
65 – DN 65
80 – DN 80
100 – DN 100
150 – DN 150
200 – DN 200

Pressure rating

16 – 16 bar
40 – 40 bar
15 – 150 lbs
30 – 300 lbs

Body material

4404 – 1.4404*
CK15 – 1.1141 / 1.0570 / 1.0308
C276 – Hastelloy C276
HC22 – Hastelloy C22

Actuation

2 – Bare shaft

AVI-PMZ / CH00-03.15-EN

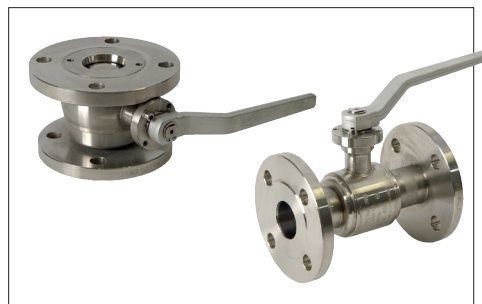


Other Products from Peter Meyer & Co. AG



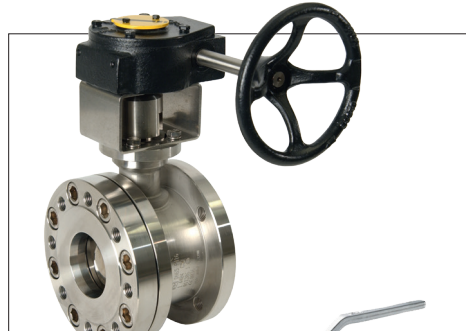
Standard- and Tank Bottom Valves

- One-piece body design
- Full bore
- Laser welded, without body seal
- Chambered seats
- Integrated cavity pressure relief system



Segment Ball Valves

- Eccentric mounted shaft
- 2 piece design
- Full bore
- Seats in Metal, PEEK or TFM
- Suitable for resinous media such as adhesives and colorants, products with catalyst, and so on



Cryogenic Ball Valves

- One-piece body design
- Laser welded, without body seal
- Chambered seats
- Integrated cavity pressure relief system
- Suitable for very cold media in cryogenic process installations



Metal Seated Ball Valves

- One-piece or split body design
- Seats and ball surface coated
- Suitable for high temperature range, for abrasive, erosive and other wide range of applications



Top Entry Segment Ball Valves

- Top Entry Design (Valve can be opened from the top)
- Access to the interior parts without removing the valve from the pipeline
- Eccentric mounted shaft
- No cavity
- Especially suitable for chemical, pharmaceutical and food industry in multipurpose plants where fast and good cleaning is required

