Peter Meyer
Ball valves
Metal seated ball valves

avintos FLOW CONTROL

Features

- Swiss manufacturer
- One-piece or split body design
- Full bore
- Seats and ball surface coated
- Anti blow-out stem
- Antistatic
- Smart construction shape, minimum weight and good accessibility
- Fire Safe Design
- All valves comply to PED 2014/68/EU
- ATEX certification acc. directive 2014/34/EU

Technical data

Sizes (mm):	DN 15 – DN 150
Pressure class:	PN 10 – PN 40 or ANSI Class 150/300 lbs
Temperature range:	-60°C up to +650°C
Connections:	Flanges acc. to EN 1092-1
Face-to-face:	Flanged acc. to EN 558 and ANSI B16.10
Top flange:	In acc. to DIN EN ISO 5211:2001

Options

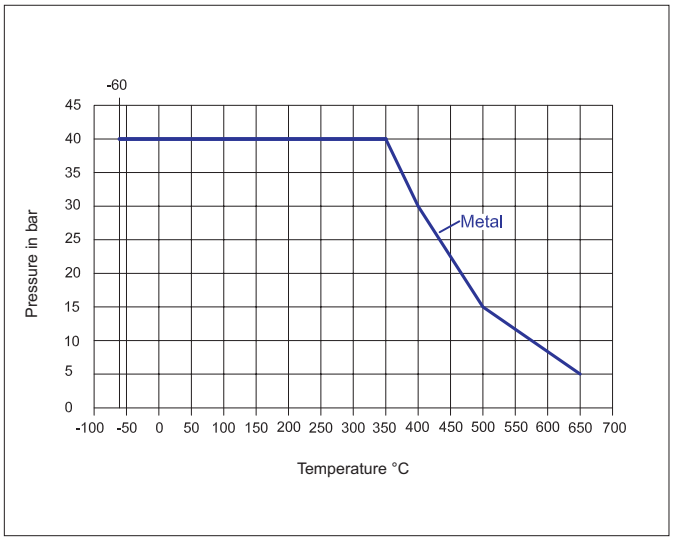
- Stem extension (special length available)
- Double gland packing with monitoring port
- Pressure balancing hole in the ball
- Heating jacket
- Flushing bore
- Different connections and face-to-faces are available on request
- Special coats for specific applications

General applications

Split body design (Type R):
Polymer melt applications (Polymerisation) up to 400°C
One-piece design (Type P):
Thermal oil applications from 200°C up to max. 650°C

Pressure and Temperature Ratings

for the seats



Depending on size and pressure rating

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ISO 9001

Metal seated ball valves

Dimensions and weight Type R (split body)

with wrench

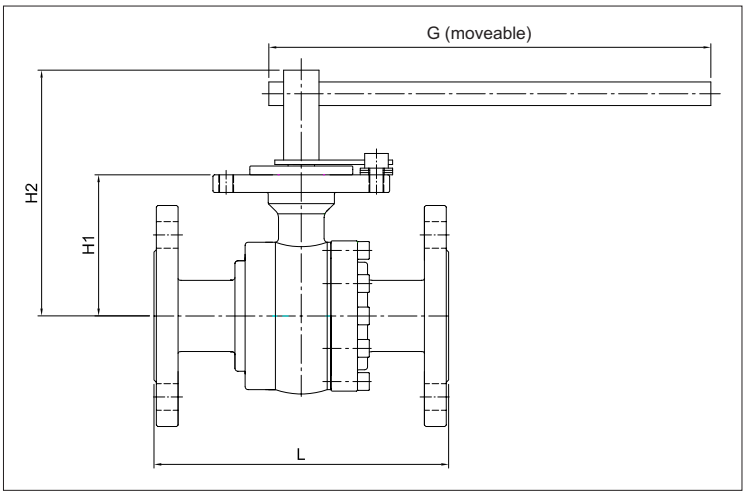
DN	KB* Ø mm	PN	L acc. to EN 558/R1	H1	H2	G	ISO 5211	Weight ** (kg)
15	14	40	130	53	123	140	F05	2.4
25	25	40	160	61	132	300	F07	4.6
40	40	40	200	89	161	500	F10	9.6
50	50	40	230	97	172	500	F10	14.9
65	65	16/40	290	110	192	500	F10	21.1
80	80	16/40	310	150	gear		F12	28.3
100	100	16/40	350	165	gear		F12	38
150	150	16/40	480	235	gear		F14	90

*KB = Ball bore

** Weight bare shaft

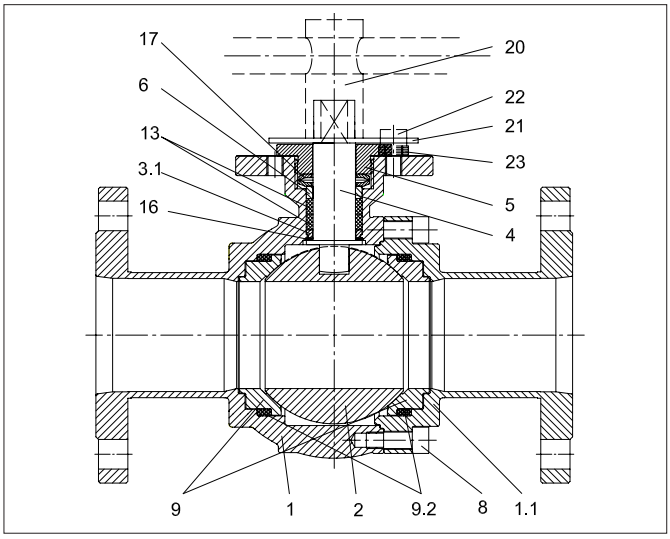
DN 80 – 150 with gear on request

Dimensions in mm



Flanges in acc. to EN 1092-1 Form B1

Parts list



Item	Description	Material	Quantity
1	Body Type R	1.4404	1
1.1	Body insert Type R	1.4404	1
2	Ball	1.4571, metallic coated	1
3.1	Gland packing ring	1.4404	1
4	Stem	1.4418	1
5	Gland cover	1.4305	1
6	Thrust ring	1.4305	1
8	Screw	1.4301	8*
9	Seat	1.4571, metallic coated	2
9.2	Seat sealing ring	Graphite	14*
13	Stem packing	Graphite	2*
16	Slide ring	Graphite	1
17	Spring washer	1.4310	2
20	Wrench, moveable	1.4301	1
21	Stopper plate	1.4301	1
22	Stop screw	1.4301	2
23	Washer	1.1301	12

*Quantity depending on size

Metal seated ball valves

Dimensions and weight Type P (one-piece body)

with wrench

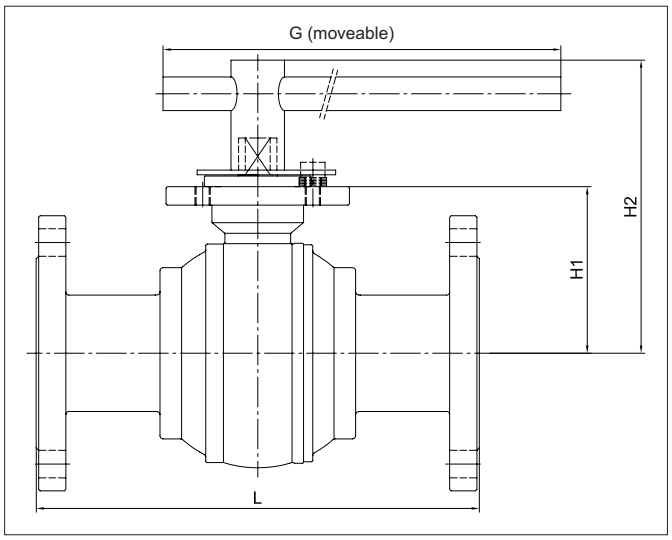
DN	KB* Ø mm	PN	L acc. to EN 558/R1	H1	H2	G	ISO 5211	Weight ** (kg)
15	14	40	130	53	123	140	F05	2.1
25	25	40	160	61	132	300	F07	4.2
40	40	40	200	89	161	500	F10	8.7
50	50	40	230	97	172	500	F10	12.5
65	65	16/40	290	110	192	500	F10	19
80	80	16/40	310	150	Handgetriebe		F12	25.5
100	100	16/40	350	165	Handgetriebe		F12	34.2
150	150	16/40	480	235	Handgetriebe		F14	81

*KB = Ball bore

** Weight bare shaft

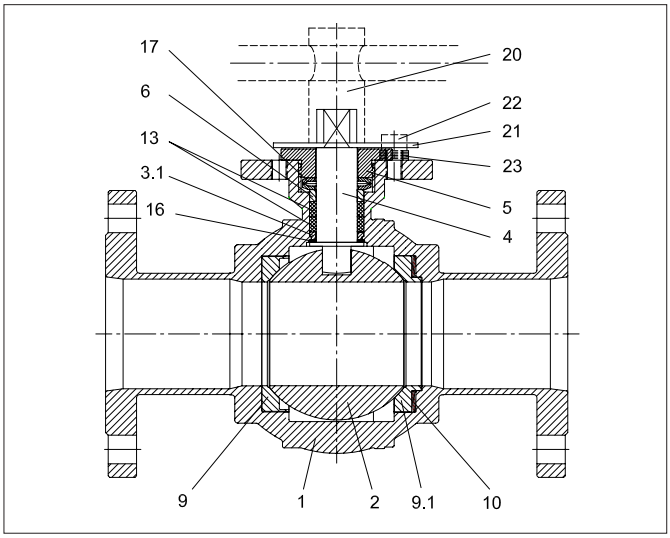
DN 80-150 with gear on request

Dimensions in mm



Flanges in acc. to EN 1092-1 Form B1

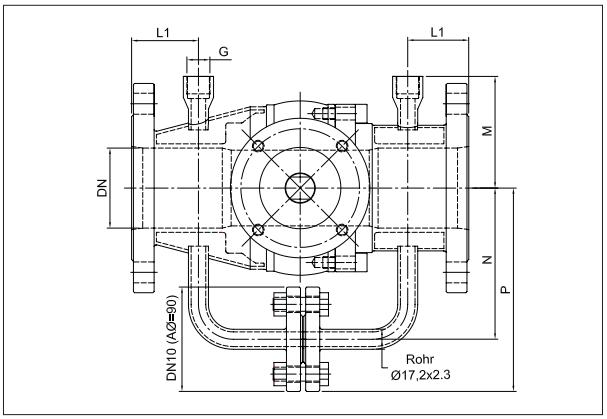
Parts list



Item	Description	Material	Quantity
1	Welded body Type P	1.4404	1
2	Ball	1.4571, metallic coated	1
3.1	Gland packing ring	1.4404	1
4	Stem	1.4418	1
5	Gland cover	1.4305	1
6	Thrust ring	1.4305	1
9	Welded in seat	1.4571, metallic coated	1
9.1	Pre-loaded seat	1.4571, metallic coated	1
10	Spring Washer	Alloy A718	2
13	Stem packing	Graphite	2
16	Slide ring	Graphite	1
17	Spring washer	1.4310	2
20	Wrench, moveable	1.4301	1
21	Stopper plate	1.4301	1
22	Stop screw	1.4301	2
23	Washer	1.4301	12

Options

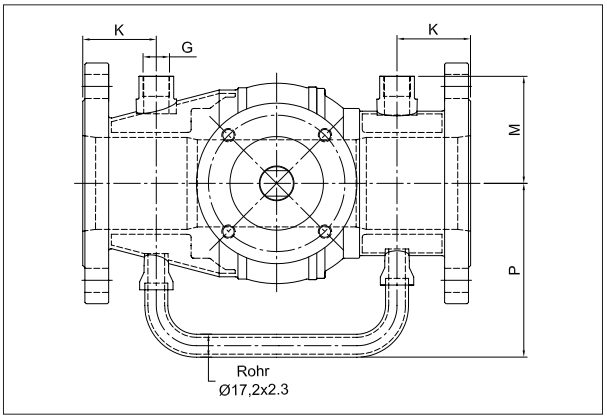
Flanged ball valve Type R with heating jacket in 1.4307



DN	PN	L1±2	M±5	P±5	N±5	G	ØR
15	40	Auf Anfrage					
25	40	32.5	74	135	90	¼"	17.2 x 2.3
40	40	38	80	150	105	½"	17.2 x 2.3
50	40	41	88	160	115	½"	17.2 x 2.3
65	16/40	52.5	98	175	130	½"	17.2 x 2.3
80	16/40	55	110	190	145	½"	17.2 x 2.3
100	16/40	65	121	205	160	½"	17.2 x 2.3
150	16/40	Auf Anfrage					

Masse in mm

Flanged ball valve Type P with heating jacket in 1.4307

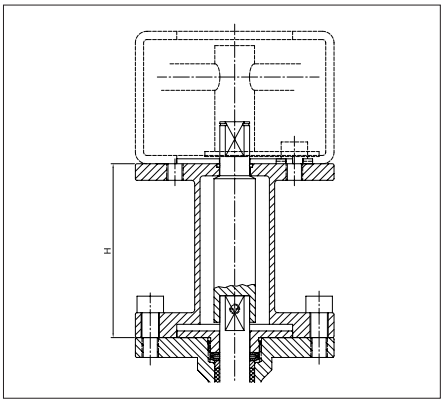


DN	PN	K1±2	M±5	P±5	G	ØR
15	40	29	34	95	¼"	17.2 x 2.3
25	40	34	45	105	¼"	17.2 x 2.3
40	40	38	60	110	½"	17.2 x 2.3
50	40	46	70	125	½"	17.2 x 2.3
65	16/40	55	78	130	½"	17.2 x 2.3
80	16/40	55	90	140	½"	17.2 x 2.3
100	16/40	65	102	150	½"	17.2 x 2.3
150	16/40	80	130	180	½"	17.2 x 2.3

Masse in mm

Stem extension in 1.4418 and support in 1.4307

For moveable wrench or mounting bracket

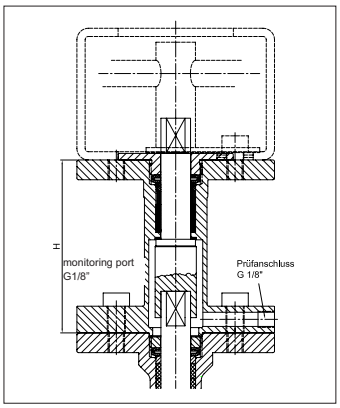


DN	Typ	H
15	SVL010020PM + SVSM015PM	81
25	SVL025032PM + SVSM025PM	81
40	SVL040050PM + SVSM040PM	105
50 – 65	SVL065100PM + SVSM050065PM	105
80 – 100	SVL150000PM + SVS150000PM	105
150	SVLM150200PM + SVSM150000PM	160

Dimensions in mm

Double gland packing

in 1.4404



DN	Typ	H
15	DOSBM015PM	81
25	DOSBM025PM	81
40	DOSBM040PM	105
50 – 65	DOSBM050065PM	105
80 – 100	DOSBM080100PM	105
150	DOSBM150000PM	160

Dimensions in mm

Subject to alterations

Product coding

R 6 5 0 GD 2 4404 40 065 F10 VSB

Design

R – Split body design
P – One-piece body design

Seat/packing material

6 – KVT404 / Graphite
7 – KVT231 / Graphite
Kx – Special coating

Certificates

5 – EN 10204 – 3.1

Options

0 – Without
6 – With heating jacket in 1.4307

Seat system

0 – Pre-loaded seat (Standard Type P)
GD – With graphite sealing (Standard Type R)

Shaft end

2 – Without wrench, bare shaft

Special

– None
VSB – Reinforced gland

Top flange acc. to ISO 5211

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

Size

15 – DN 15
25 – DN 25
40 – DN 40
50 – DN 50
65 – DN 65
80 – DN 80
100 – DN 100
150 – DN 150

Pressure rating

16 – 16 bar
40 – 40 bar

Body material

4404 – 1.4404
C276 – Hastelloy C276
AL59 – Alloy 59

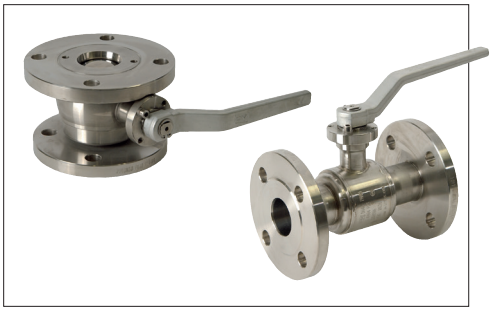
AVI-PMM/CH00-03.15-EN

Other Products from Peter Meyer & Co. AG

avintos FLOW CONTROL

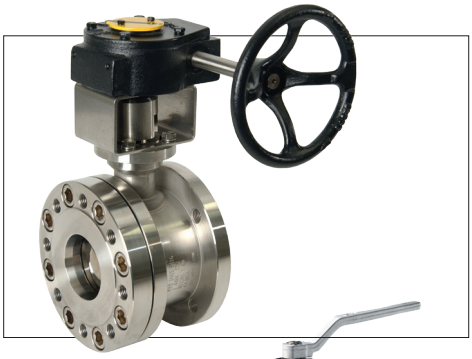
Standard- and Tank Bottom Valves

- 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

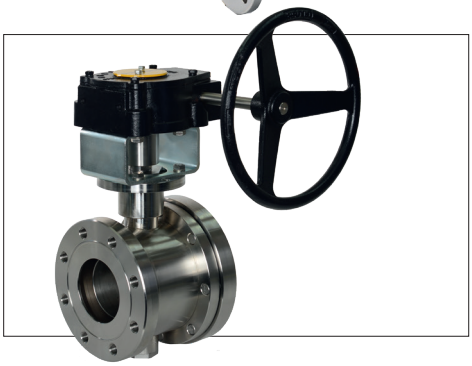


Cryogenic Ball Valves

- 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

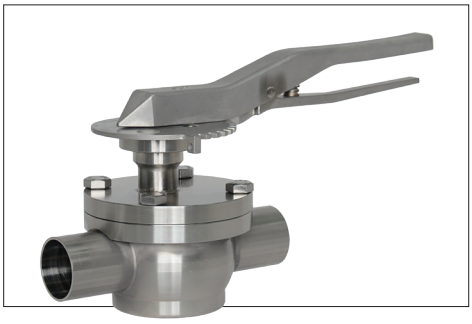
Ball Valves for Solids

- Trunnion mounted design
- Only one seat with pre-loaded spring element
- Full ball or segment
- Seat in metal, PEEK or TFM
- Suitable for dry and abrasive solids, such as powders, ash, and so on



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



Subject to alterations

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