

KH 99 SS PTFE DN100 PN40

Direct mount „High Performance Compact Ball Valve“ for water, air, oil and low concentrated chemicals in industrial and other applications

Size DN100mm (4")

Pressure rating PN40bar (580psi)

Temperature range -20 - +180°C (-5 - +380°F)

DESIGN ADVANTAGES

- **PATENTED ISO 5211 DIRECT MOUNT PAD**
Allows direct mounting of pneumatic and electric actuators, no brackets and couplings needed, easy and low cost for automated service.
- **EXTRA HIGH CYCLE LIFE**
Mars maintenance free live loaded double sealing high cycle stem packing system provides extra longer service life.
- **COMPACT SPACE SAVING DESIGN, AS AN ALTERNATIVE OF SPLIT BODY BALL VALVES**
- **BLOW OUT PROOF STEM**
- **ANTI-STATIC DEVICE AS STANDARD**

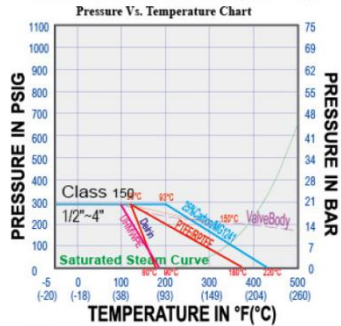
Sizes in mm

DN	PN	øC	øB	E	F	øG	H1	H2	H3	øK	L	øM	N	W	W1	kg	øl	øD	ISO 5211
100	40	100	235,0	313	17	162	132,7	20,1	152,8	190	150	M20	8	20	3	23,30	70	102	F07/F10

MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	Body	1.4408 GS-C25	1
2	End Cap	1.4408 GS-C25	2
3	Ball	SUS316	1
4	Seat	PTFE	2
5	Joint Gasket	PTFE	1
6	Stem Seal	RPTFE	1
7	Stem	SUS 316	1
8	Gland Packing	PTFE/RPTFE	2
9	Bushing	50% S.S FILLED PTFE	1
10	Gland Bush	SUS 304	1
11	Belleville Washer	SUS 301	2
12	Stop Washer	SUS 304	1
13	Stem Nut	SUS 304	2
14	Stem Washer	SUS 304	1
15	Handle	SUS 304	1
16	Locking Device	SUS 304	1
17	Handle Sleeve	Vinyl	1
18	Stop Pin	SUS 304	1
19	Pin Nut	SUS 304	1
20	Antistatic - Device	SUS 304	2

Class 150: Series 90-10 (1/2"-4")



KH 90-10 SS R-PTFE DN25 #150

ANSI standards, direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN25mm (1")

Pressure rating PN20 (ANSI CLASS 150#)

Temperature range -20 - +180°C (-5 - +380°F)

Standards ANSI B16.5 / B16.10 / B16.34

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball,
- extra high cycle life
- Mirror polished solid ball
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle

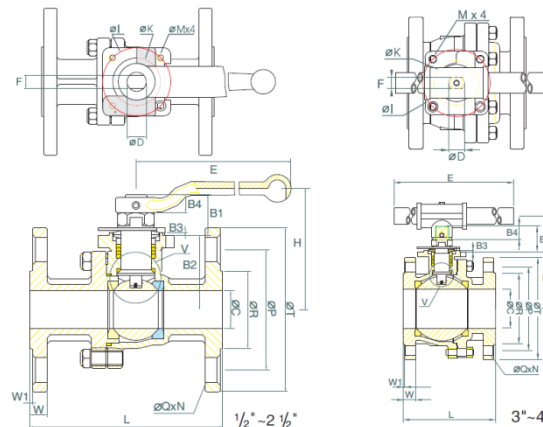
DIMENSIONS (mm)



V-VIEW

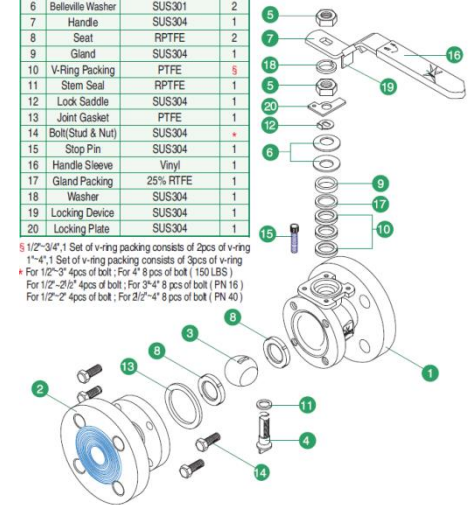


Pyramidal Stem & Anti-static Device



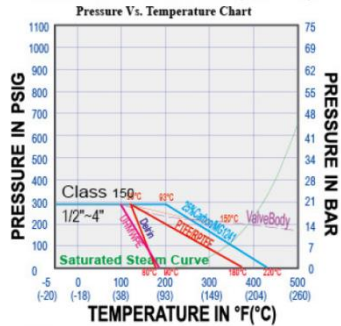
NO.	PART NAME	MATERIAL	QTY
1	Body	ASTM A351 Gr. CF8M	1
2	End Cap	ASTM A351 Gr. CF8M	1
3	Ball	SUS316	1
4	Stem	SUS316	1
5	Stem Nut	SUS304	2
6	Belleville Washer	SUS301	2
7	Handle	SUS304	1
8	Seat	RPTFE	2
9	Gland	SUS304	1
10	V-Ring Packing	PTFE	5
11	Stem Seal	RPTFE	1
12	Lock Saddle	SUS304	1
13	Joint Gasket	PTFE	1
14	Bolt(Stud & Nut)	SUS304	*
15	Stop Pin	SUS304	1
16	Handle Sleeve	Vinyl	1
17	Gland Packing	25% RTFE	1
18	Washer	SUS304	1
19	Locking Device	SUS304	1
20	Locking Plate	SUS304	1

* 1/2"-3/4": 1 Set of v-ring packing consists of 2pcs of v-ring
 * 1"-4": 1 Set of v-ring packing consists of 3pcs of v-ring
 * For 1/2"-2" 4pcs of bolt ; For 4" 8 pcs of bolt (PN 15)
 * For 1/2"-2 1/2" 4pcs of bolt ; For 2"-4" 8 pcs of bolt (PN 16)
 * For 1/2"-2" 4pcs of bolt ; For 2 1/2"-4" 8 pcs of bolt (PN 40)



SIZE	B1+0.5	B2	B3	B4±1.5 0.5	∅C	∅D	E	F	H	∅I	∅K	L	*L	M	N	*N	∅P	*∅P	∅Q	*∅Q	∅R	∅T	*∅T	*W	W1	W(Kg)	ISO5211	
1"	26.5	49.5	2	9.6	25.0	14.3	200	9.7	82.9	50	35	127.0	165	M6(1/4"-20UNC)	4	4	79.2	88.9	16	19	50.8	108	124	11.2	17.5	1.6	3.02	F05

Class 150: Series 90-10 (1/2"-4")



KH 90-10 SS R-PTFE DN50 #150

ANSI standards, direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN50mm (2")

Pressure rating PN20 (ANSI CLASS 150#)

Temperature range -20 - +180°C (-5 - +380°F)

Standards ANSI B16.5 / B16.10 / B16.34

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball,
- extra high cycle life
- Mirror polished solid ball
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle

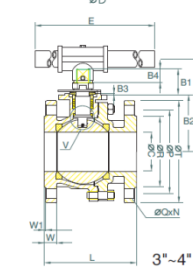
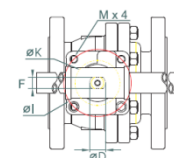
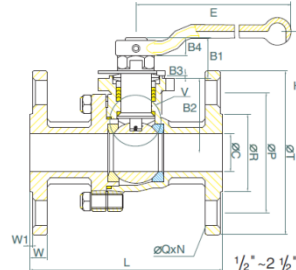
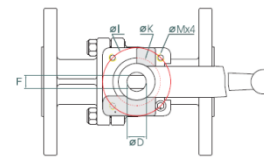
DIMENSIONS (mm)



Standard

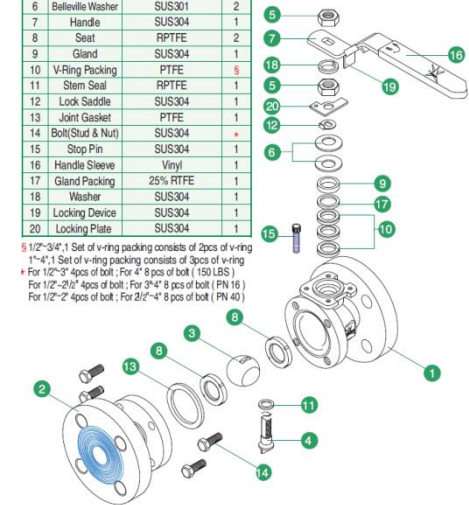


Pyramidal Stem & Anti-static Device



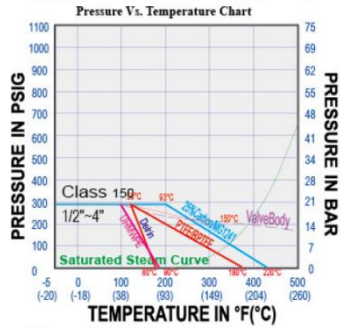
NO.	PART NAME	MATERIAL	QTY
1	Body	ASTM A351 Gr. CF8M	1
2	End Cap	ASTM A351 Gr. CF8M	1
3	Ball	SUS316	1
4	Stem	SUS316	1
5	Stem Nut	SUS304	2
6	Belleville Washer	SUS301	2
7	Handle	SUS304	1
8	Seat	RPTFE	2
9	Gland	SUS304	1
10	V-Ring Packing	PTFE	5
11	Stem Seal	RPTFE	1
12	Lock Saddle	SUS304	1
13	Joint Gasket	PTFE	1
14	Bolt(Stud & Nut)	SUS304	*
15	Stop Pin	SUS304	1
16	Handle Sleeve	Vinyl	1
17	Gland Packing	25% RTFE	1
18	Washer	SUS304	1
19	Locking Device	SUS304	1
20	Locking Plate	SUS304	1

5 1/2"-3/4": 1 Set of v-ring packing consists of 2pcs of v-ring
 1"-4": 1 Set of v-ring packing consists of 3pcs of v-ring
 * For 1 1/2"-2" 4pcs of bolt ; For 4" 8 pcs of bolt (PN 15)
 For 1 1/2"-2 1/2" 4pcs of bolt ; For 2"-4" 8 pcs of bolt (PN 16)
 For 1 1/2"-2" 4pcs of bolt ; For 2 1/2"-4" 8 pcs of bolt (PN 40)



SIZE	B1+0.5	B2	B3	B4±1.5/0.5	ØC	ØD	E	F	H	ØI	ØK	L	*L	M	N	*N	ØP	*ØP	ØQ	*ØQ	ØR	ØT	*ØT	*W	W1	W(Kg)	ISO5211	
2"	34.8	86.4	2	14.8	50.0	19.0	250	12.0	123.4	70	55	178.3	216	M8(5/16"-18UNC)	4	8	120.7	127.0	19	19	91.9	152.4	165	15.9	22.3	1.6	8.7	F07

Class 150: Series 90-10 (1/2"-4")



KH 90-10 SS R-PTFE DN80 #150

ANSI standards, direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN80mm (3")

Pressure rating PN20 (ANSI CLASS 150#)

Temperature range -20 - +180°C (-5 - +380°F)

Standards ANSI B16.5 / B16.10 / B16.34

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball,
- extra high cycle life
- Mirror polished solid ball
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle

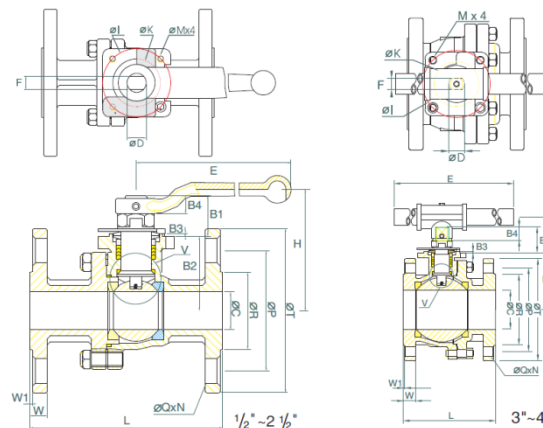
DIMENSIONS (mm)



V-VIEW

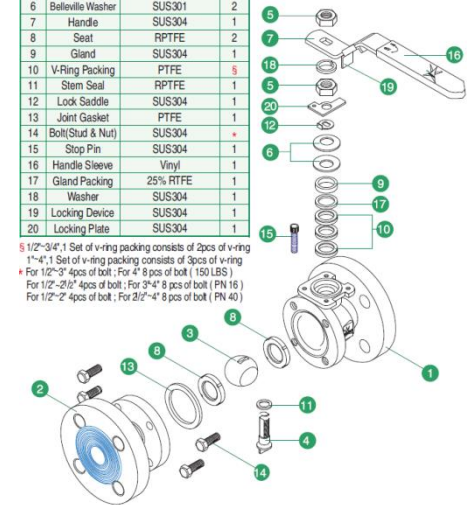


Pyramidal Stem & Anti-static Device



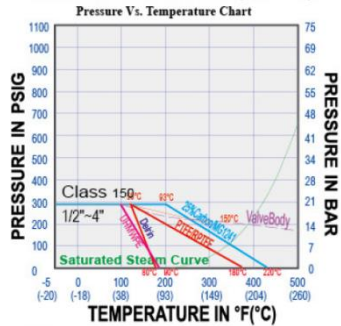
NO.	PART NAME	MATERIAL	QTY
1	Body	ASTM A351 Gr. CF8M	1
2	End Cap	ASTM A351 Gr. CF8M	1
3	Ball	SUS316	1
4	Stem	SUS316	1
5	Stem Nut	SUS304	2
6	Belleville Washer	SUS301	2
7	Handle	SUS304	1
8	Seat	RPTFE	2
9	Gland	SUS304	1
10	V-Ring Packing	PTFE	5
11	Stem Seal	RPTFE	1
12	Lock Saddle	SUS304	1
13	Joint Gasket	PTFE	1
14	Bolt(Stud & Nut)	SUS304	*
15	Stop Pin	SUS304	1
16	Handle Sleeve	Vinyl	1
17	Gland Packing	25% RTFE	1
18	Washer	SUS304	1
19	Locking Device	SUS304	1
20	Locking Plate	SUS304	1

5 1/2"-3/4": 1 Set of v-ring packing consists of 2pcs of v-ring
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 * For 1 1/2"-2" 4pcs of bolt ; For 4" 8 pcs of bolt (PN 15)
 For 1 1/2"-2 1/2" 4pcs of bolt ; For 2"-4" 8 pcs of bolt (PN 16)
 For 1 1/2"-2" 4pcs of bolt ; For 2 1/2"-4" 8 pcs of bolt (PN 40)



SIZE	B1+0.5	B2	B3	B4±1.5/0.5	ØC	ØD	E	F	H	ØI	ØK	L	*L	M	N	*N	ØP	*ØP	ØQ	*ØQ	ØR	ØT	*ØT	*W	W1	W(Kg)	ISO5211	
3"	46.0	107.4	2	21.8	80	24.0	354	15.0	176.5	102	70.0	203.5	283	M10(3/8"-16UNC)	8	8	152.4	168.1	19	22	127	190.5	210	19.1	28.6	1.6	18.58	F10

Class 150: Series 90-10 (1/2"-4")



KH 90-10 SS R-PTFE DN100 #150

ANSI standards, direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN100mm (4")

Pressure rating PN20 (ANSI CLASS 150#)

Temperature range -20 - +180°C (-5 - +380°F)

Standards ANSI B16.5 / B16.10 / B16.34

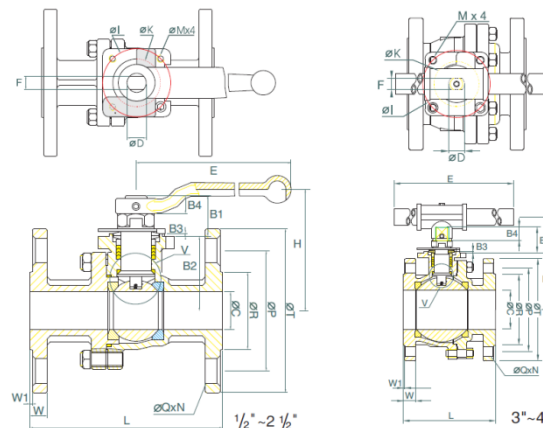
Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball,
- extra high cycle life
- Mirror polished solid ball
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle

DIMENSIONS (mm)

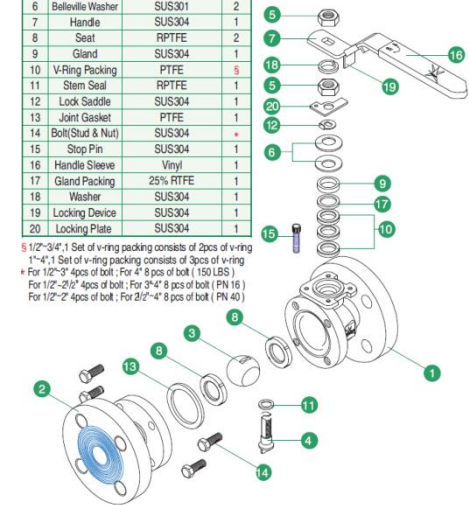


Pyramidal Stem & Anti-static Device



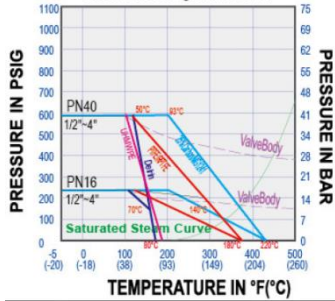
NO.	PART NAME	MATERIAL	QTY
1	Body	ASTM A351 Gr. CF8M	1
2	End Cap	ASTM A351 Gr. CF8M	1
3	Ball	SUS316	1
4	Stem	SUS316	1
5	Stem Nut	SUS304	2
6	Belleville Washer	SUS301	2
7	Handle	SUS304	1
8	Seat	RPTFE	2
9	Gland	SUS304	1
10	V-Ring Packing	PTFE	5
11	Stem Seal	RPTFE	1
12	Lock Saddle	SUS304	1
13	Joint Gasket	PTFE	1
14	Bolt(Stud & Nut)	SUS304	*
15	Stop Pin	SUS304	1
16	Handle Sleeve	Vinyl	1
17	Gland Packing	25% RTFE	1
18	Washer	SUS304	1
19	Locking Device	SUS304	1
20	Locking Plate	SUS304	1

5 1/2"-3/4": 1 Set of v-ring packing consists of 2pcs of v-ring
 1"-4": 1 Set of v-ring packing consists of 3pcs of v-ring
 * For 1 1/2"-2" 4pcs of bolt ; For 4" 8 pcs of bolt (PN 15)
 For 1 1/2"-2 1/2" 4pcs of bolt ; For 2"-4" 8 pcs of bolt (PN 16)
 For 1 1/2"-2" 4pcs of bolt ; For 2 1/2"-4" 8 pcs of bolt (PN 40)



SIZE	B1+0.5	B2	B3	B4±1.5 0.5	ØC	ØD	E	F	H	ØI	ØK	L	*L	M	N	*N	ØP	*ØP	ØQ	*ØQ	ØR	ØT	*ØT	*W	W1	W(Kg)	ISO5211	
4"	45.5	122.4	2	21.8	100	24.0	354	15.0	191	102	70.0	229.5	305	M10(3/8"-16UNC)	8	8	190.5	200.1	19	22	157.2	228.6	254	23.9	31.8	1.6	29.5	F10

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-40 SS RTFE DN50 PN16 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN50mm

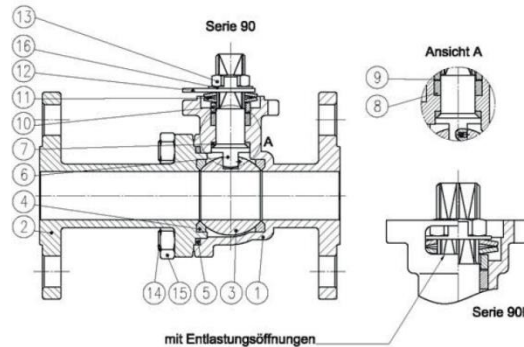
Pressure rating PN16bar

Temperature range -20 - +280°C

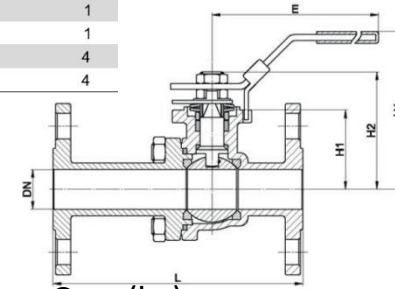
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG

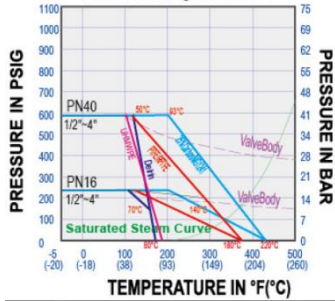


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
50	16	150	86,7	121,5	162	261	10,2

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-40 SS RTFE DN65 PN16 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN65mm

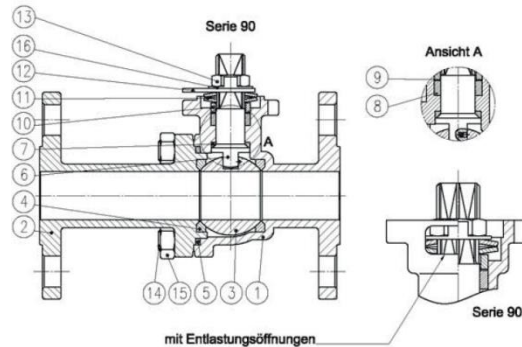
Pressure rating PN16bar

Temperature range -20 - +280°C

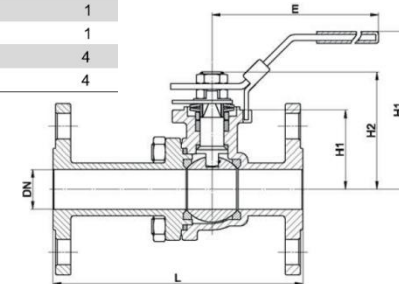
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG

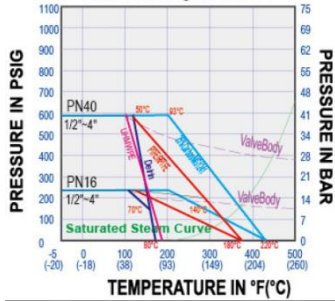


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
65	16	170	98	132,8	168	261	17

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-4F SS RTFE DN50 PN16 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN50mm

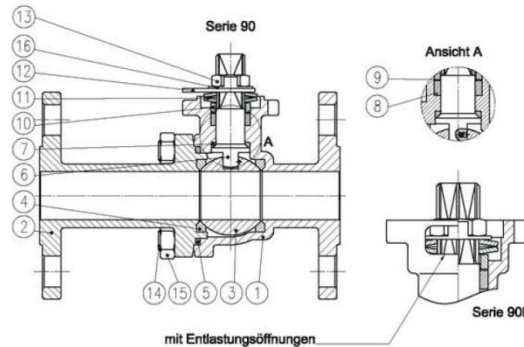
Pressure rating PN16bar

Temperature range -20 - +280°C

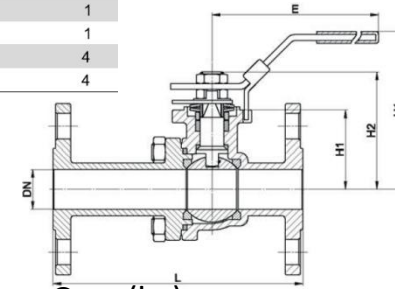
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG
- Firesafe nach API 607

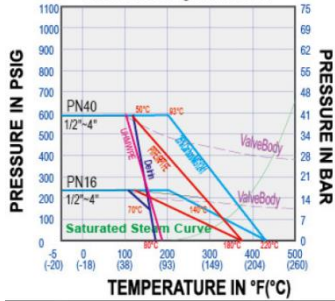


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
50	16	150	86,7	121,5	162	261	10,2

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-4F SS RTFE DN100 PN16 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN100mm

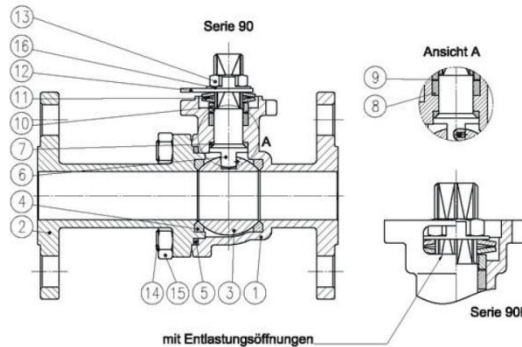
Pressure rating PN16bar

Temperature range -20 - +280°C

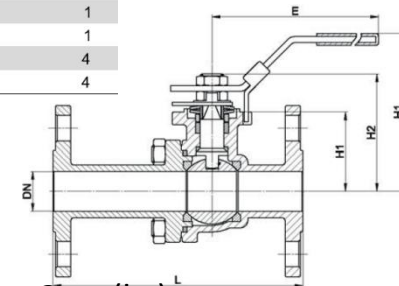
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG
- Firesafe nach API 607

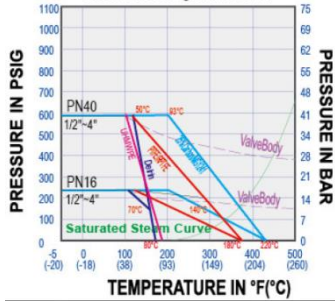


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
100	16	190	123	169	197	410	30,5

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-60 SS RTFE DN15 PN40 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN15mm

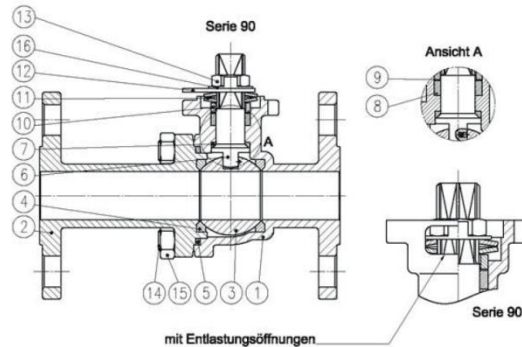
Pressure rating PN40bar

Temperature range -20 - +280°C

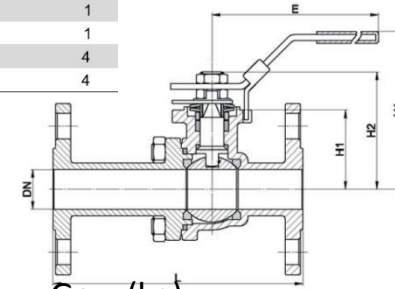
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG

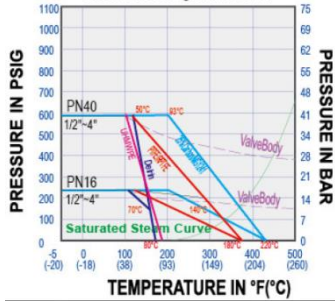


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
15	40	115	34,5	57,5	85	160	2,3

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-60 SS RTFE DN20 PN40 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN20mm

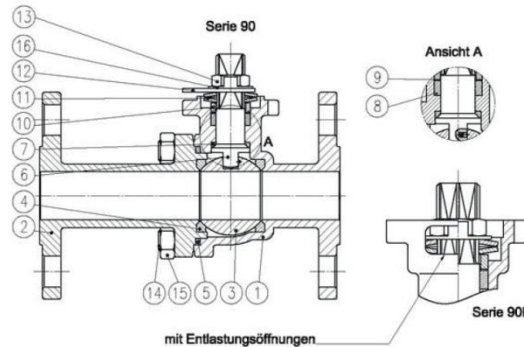
Pressure rating PN40bar

Temperature range -20 - +280°C

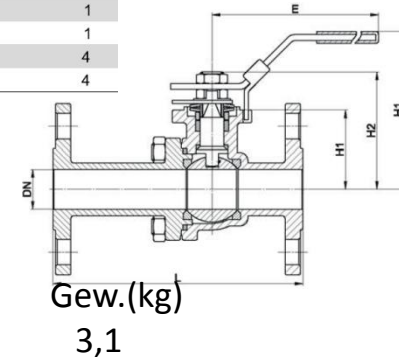
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG

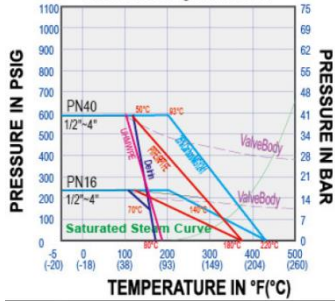


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
20	40	120	42,5	65,5	92	160	3,1

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-60 SS RTFE DN25 PN40 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN25mm

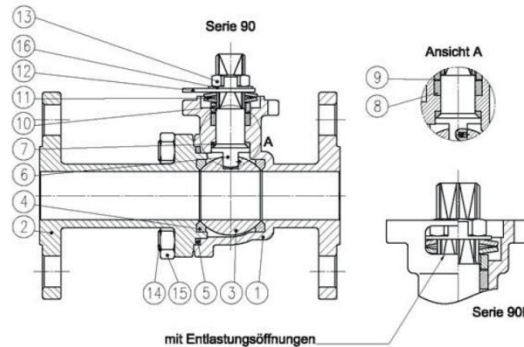
Pressure rating PN40bar

Temperature range -20 - +280°C

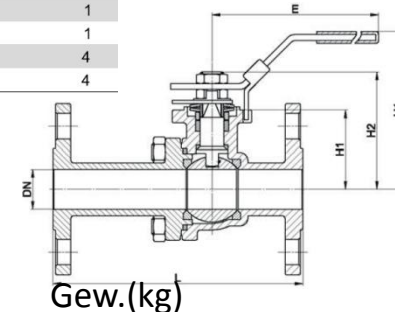
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG



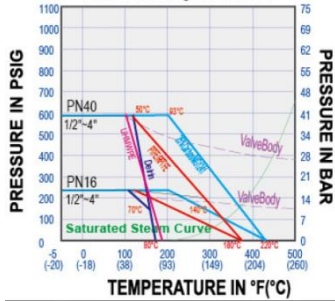
Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



Gew.(kg)
4,2

DN	PN	L	H1	H2	H	E
25	40	125	50	73,5	103	185

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-60 SS RTFE DN40 PN40 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN40mm

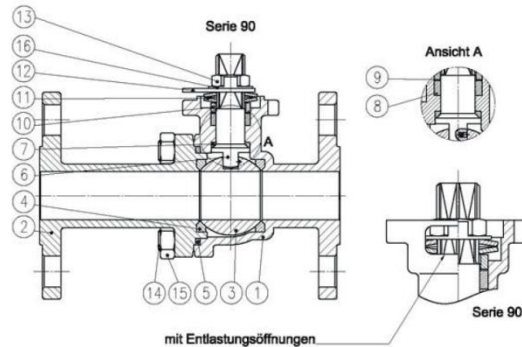
Pressure rating PN40bar

Temperature range -20 - +280°C

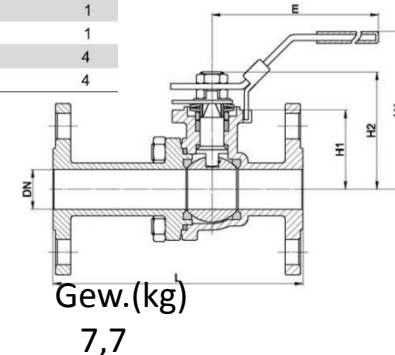
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG

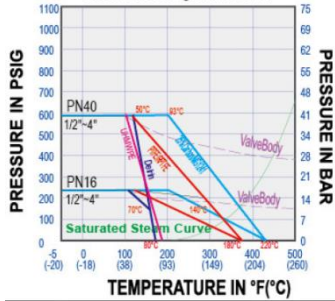


Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
40	40	140	78	112,8	153	261	7,7

PN16: SERIES 90-30/40 (1/2"-4")
 PN40: SERIES 90-50/60 (1/2"-4")
 Pressure:PN16/PN40



KH 90-6F SS RTFE DN32 PN40 F4 R27

Direct mount, flanged „High Performance Ball Valve“ for Chemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

Size DN32mm

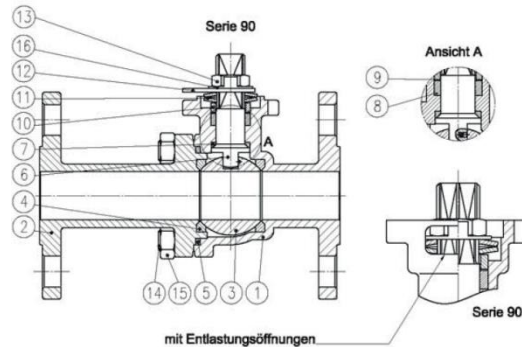
Pressure rating PN40bar

Temperature range -20 - +280°C

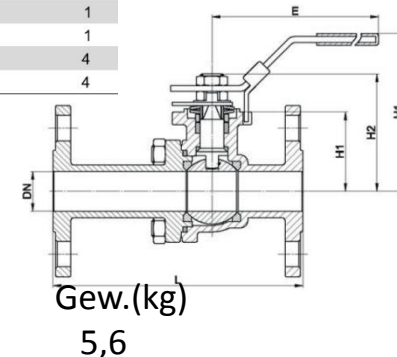
Flanges according to DIN 2501

Design features:

- Split-Body, Full Port
- Blow out proof stem
- Anti Static
- Floating ball, extra high cycle life
- Mirror polished solid ball, internals 6-8µm
- All wetted parts and flange surface fully machined
- Re-inforced PTFE
- Lockable handle
- Fullfills DGRL 97/23/EG
- Firesafe nach API 607



Pos.	Bezeichnung	Werkstoffe	Menge
1	Gehäuse	1.4408	1
2	Gehäuseflansch	1.4408	1
3	Kugel	1.4401	1
4	Sitzring	R-PTFE	2
5	Gehäusedichtung	SS316 / Graphit	1
6	Spindel	1.4401	1
7	Spindeldichtung	R-PTFE	1
8	Packung	Graphit	1
9	Lagerbuchse	PTFE + 25% SS	1
10	Druckring	1.4301	1
11	Tellerfedern	1.4310	2
12	Sicherungsclip	1.4301	1
13	Spindelmutter	1.4301	1
14	Gehäuseschraube	1.4301	4
15	Gehäusemutter	1.4301	4



DN	PN	L	H1	H2	H	E	Gew.(kg)
32	40	130	54,7	78,2	108	185	5,6