

BALL VALVE

3-Piece Ball Valve - Threaded End
 PN50/CLASS 300, DN10~DN100

MODEL: KHD-31

» Features

- Chevron stem packing reduces wear and increases sealing performance
- 3-piece swing-out design enables in-line maintenance
- Blowout-proof stem
- Certified according to PED 2014/68/EU
- EN 10204-3.1 Material Certificate is complementary

» Body Material

ASTM CF8M, CF8, WCB, DIN 1.4408, 1.4308, 1.0619

» Size Range

3/8" - 4" (DN10~DN100)

» Pressure Rating

PN50/CLASS 300

» End Connection

Threaded, Buttweld, long buttweld, Socketweld,
 Combination of end connections also available

» Standards

API 598, ISO 5208 or EN 12266-1

» Temperature Range

-4°F to 350°F (-20°C to 180°C) with PTFE/RPTFE seats

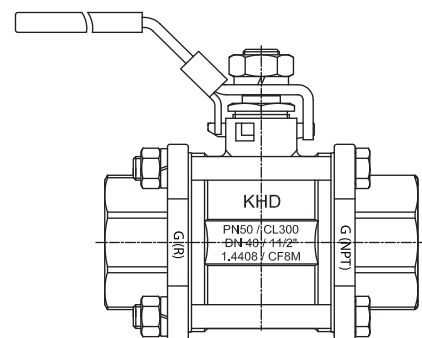
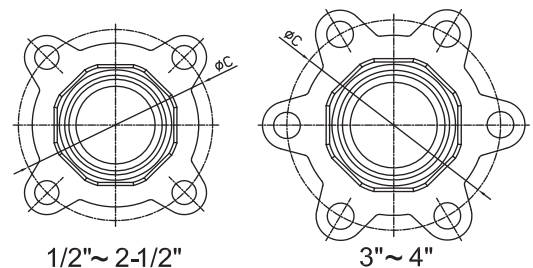
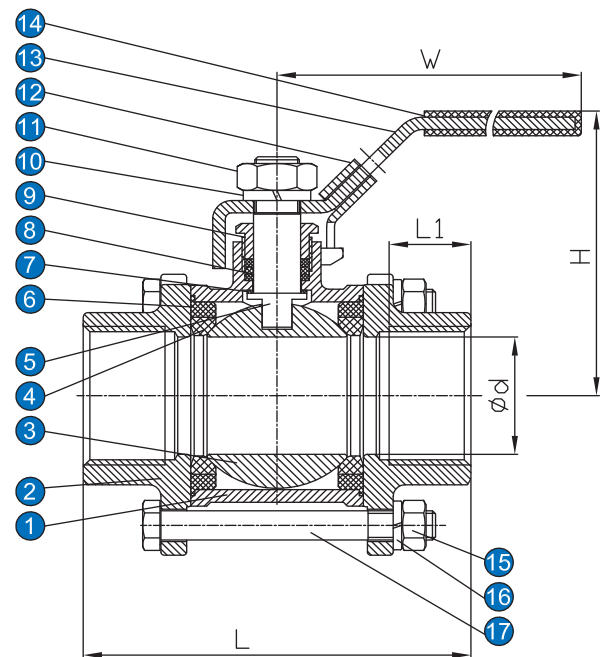
Materials List:

NO	PART NAME	MATERIAL
1	BODY	1.4408/CF8M
2	CAP	1.4408/CF8M
3	BALL	1.4408/CF8M
4	SEAT	15%R.PTFE
5	STEM	AISI 316
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	GLAND	AISI 304
10	SPRING WASHER	AISI 304
11	STEM NUT	AISI 304
12	LOCKING DEVICE	AISI 304
13	HANDLE	AISI 304
14	PLASTIC COVER	PLASTIC
15	SPRING WASHER	AISI 304
16	NUT	AISI 304
17	BOLT	AISI 304

Dimensions (mm):

SIZE		d	L	L1	H	W	C
IN	DN						
* 1/4"	8	11.6	60	9	54	102	37.5
3/8"	10	12.7	60	10	54	102	37.5
1/2"	15	15	64	11.5	62	123	45.5
3/4"	20	20	71	13	66	123	52.5
1"	25	25	82	14.5	77	153	57.5
1-1/4"	32	32	97	17	80	153	71.5
1-1/2"	40	38	109	17	91	183	79
2"	50	50	125	21.5	98	183	97
2-1/2"	65	65	162	23.5	138	246	124.5
3"	80	80	175	26.5	149	246	149
4"	100	100	216	32.5	175	500	180.6

* To be developed on request.



BALL VALVE

3-Piece Ball Valve - Buttweld End
PN50/CLASS 300, DN10~DN100

MODEL: KHD-31

» Features

Chevron stem packing reduces wear and increases sealing performance
3-piece swing-out design enables in-line maintenance
Blowout-proof stem
Certified according to PED 2014/68/EU
EN 10204-3.1 Material Certificate is complementary

» Body Material

ASTM CF8M, CF8, WCB, DIN 1.4408, 1.4308, 1.0619

» Size Range

3/8" - 4" (DN10~DN100)

» Pressure Rating

PN50/CLASS 300

» End Connection

Threaded, Buttweld, long buttweld, Socketweld,
Combination of end connections also available

» Standards

API 598, ISO 5208 or EN 12266-1

» Temperature Range

-4°F to 350°F (-20°C to 180°C) with PTFE/RPTFE seats

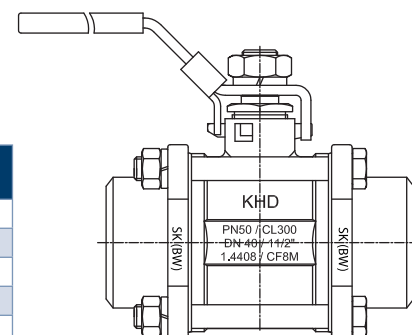
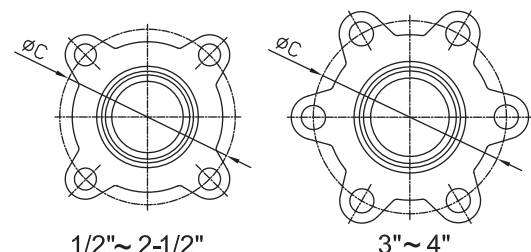
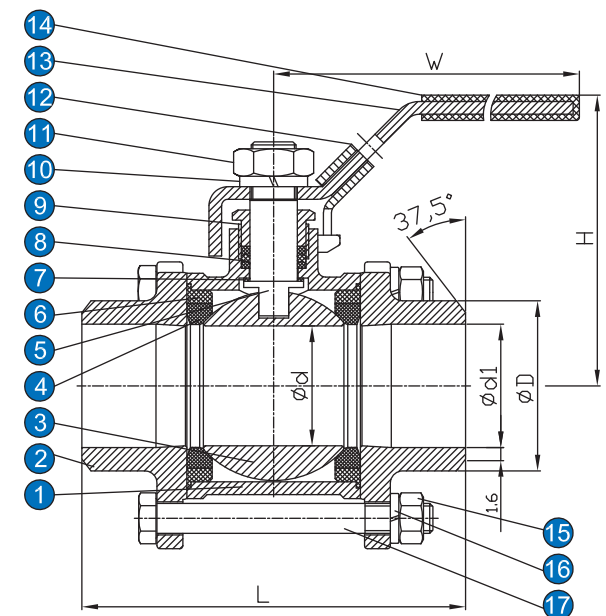
Materials List:

NO	PART NAME	MATERIAL
1	BODY	1.4408/CF8M
2	CAP	1.4408/CF8M
3	BALL	1.4408/CF8M
4	SEAT	15%R.PTFE
5	STEM	AISI 316
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	GLAND	AISI 304
10	SPRING WASHER	AISI 304
11	STEM NUT	AISI 304
12	LOCKING DEVICE	AISI 304
13	HANDLE	AISI 304
14	PLASTIC COVER	PLASTIC
15	HEX NUT	AISI 304
16	BOLT WASHER	AISI 304
17	JOINT BOLT	AISI 304

Dimensions (mm):

SIZE		d	d1	L	H	W	C	D
IN	DN							
*1/4"	8	11.6	10	70	54	102	37.5	17
3/8"	10	12.7	12.5	70	54	102	37.5	17
1/2"	15	15	16	75	62	123	45.5	21.3
3/4"	20	20	20	90	66	123	52.5	26.7
1"	25	25	25	100	77	153	57.5	33.6
1 1/4"	32	32	33.8	110	80	153	71.5	42.4
1 1/2"	40	38	39.5	125	91	183	79	48
2"	50	50	50.8	150	98	183	97	60.5
2 1/2"	65	65	62.7	190	138	246	124.5	76.1
3"	80	80	77.9	220	149	246	149	88.9
4"	100	100	100	270	175	500	180.6	114.2

* To be developed on request.



BALL VALVE

3-Piece Ball Valve - Socketweld End
PN50/CLASS 300, DN10~DN100

MODEL: KHD-31

» Features

Chevron stem packing reduces wear and increases sealing performance
3-piece swing-out design enables in-line maintenance
Blowout-proof stem
Certified according to PED 2014/68/EU
EN 10204-3.1 Material Certificate is complementary

» Body Material

ASTM CF8M, CF8, WCB, DIN 1.4408, 1.4308, 1.0619

» Size Range

3/8" - 4" (DN10~DN100)

» Pressure Rating

PN50/CLASS 300

» End Connection

Threaded, Butt weld, long butt weld, Socket weld,
Combination of end connections also available

» Standards

API 598, ISO 5208 or EN 12266-1

» Temperature Range

-4°F to 350°F (-20°C to 180°C) with PTFE/RPTFE seats

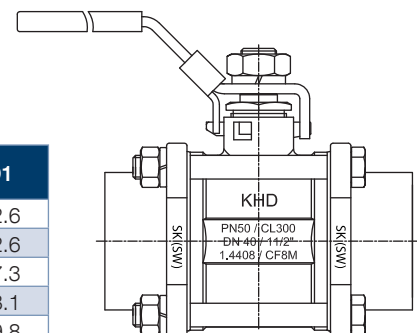
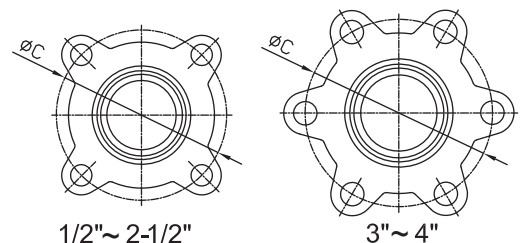
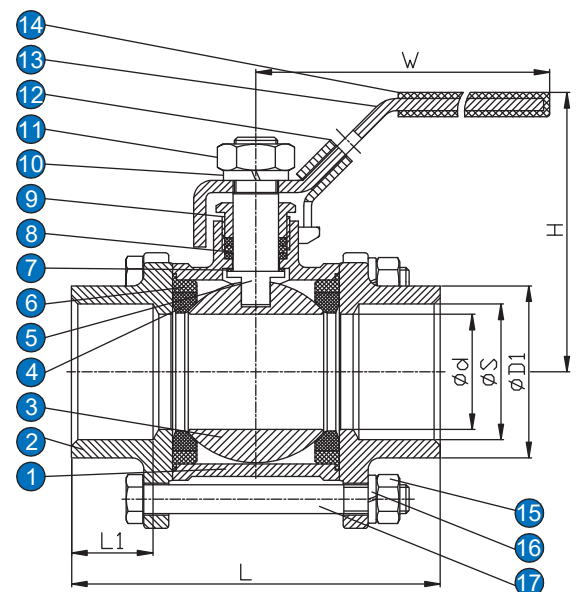
Materials List:

NO	PART NAME	MATERIAL
1	BODY	1.4408/CF8M
2	CAP	1.4408/CF8M
3	BALL	1.4408/CF8M
4	SEAT	15%R.PTFE
5	STEM	AISI 316
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	GLAND	AISI 304
10	SPRING WASHER	AISI 304
11	STEM NUT	AISI 304
12	LOCKING DEVICE	AISI 304
13	HANDLE	AISI 304
14	PLASTIC COVER	PLASTIC
15	HEX NUT	AISI 304
16	BOLT WASHER	AISI 304
17	JOINT BOLT	AISI 304

Dimensions (mm):

SIZE		d	L	L1	H	W	C	S	D1
IN	DN								
*1/4"	8	11.6	60	14	54	102	37.5	14.1	22.6
3/8"	10	12.7	60	14	54	102	37.5	17.6	22.6
1/2"	15	15	64	15	62	123	45.5	21.7	27.3
3/4"	20	20	71	17.5	66	123	52.5	27.1	33.1
1"	25	25	82	17	77	153	57.5	33.8	39.8
1 1/4"	32	32	97	20.5	80	153	71.5	42.6	48.6
1 1/2"	40	38	109	19.5	91	183	79	48.7	55.1
2"	50	50	125	23.5	98	183	97	61.1	68.1
2 1/2"	65	65	162	30	138	246	124.5	76.9	85.9
3"	80	80	175	30.5	149	246	149	89.8	100.8
4"	100	100	216	36	175	500	181	115.5	127.5

* To be developed on request.



BALL VALVE

3-Piece Ball Valve - Long Butt Weld End
PN50/CLASS 300, DN10~DN100

MODEL: KHD-31

» Features

Chevron stem packing reduces wear and increases sealing performance
3-piece swing-out design enables in-line maintenance
Blowout-proof stem
Certified according to PED 2014/68/EU
EN 10204-3.1 Material Certificate is complementary

» Body Material

ASTM CF8M, CF8, WCB, DIN 1.4408, 1.4308, 1.0619

» Size Range

3/8" - 4" (DN10~DN100)

» Pressure Rating

PN50/CLASS 300

» End Connection

Threaded, Butt weld, long butt weld, Socket weld,
Combination of end connections also available

» Standards

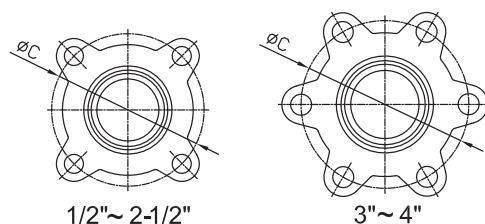
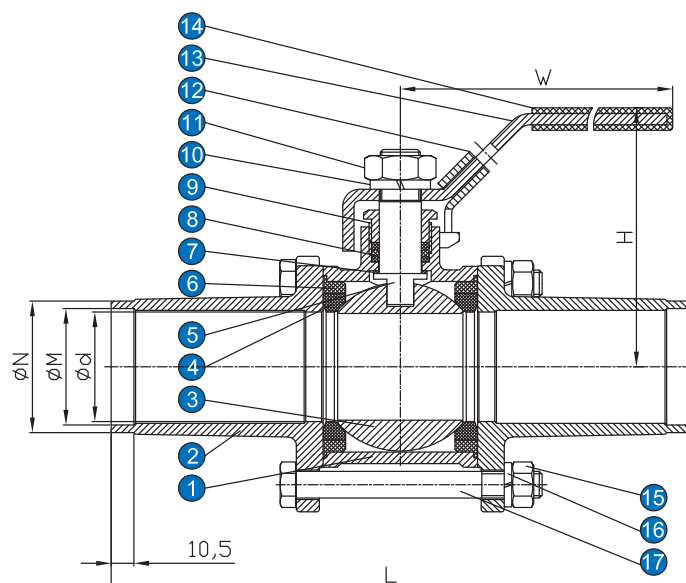
API 598, ISO 5208 or EN 12266-1

» Temperature Range

-4°F to 350°F (-20°C to 180°C) with PTFE/RPTFE seats

Materials List:

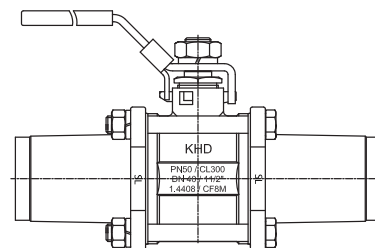
NO	PART NAME	MATERIAL
1	BODY	1.4408/CF8M
2	CAP	1.4408/CF8M
3	BALL	1.4408/CF8M
4	SEAT	15%R.PTFE
5	STEM	AISI 316
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	GLAND	AISI 304
10	SPRING WASHER	AISI 304
11	STEM NUT	AISI 304
12	LOCKING DEVICE	AISI 304
13	HANDLE	AISI 304
14	PLASTIC COVER	PLASTIC
15	HEX NUT	AISI 304
16	BOLT WASHER	AISI 304
17	JOINT BOLT	AISI 304



Dimensions (mm):

SIZE		d	L	H	W	C	N	M
IN	DN							
*1/4"	8	11.6	225	54	102	37.5	13.9	11.6
3/8"	10	12.7	225	54	102	37.5	17.2	15.2
1/2"	15	15	225	62	123	45.5	21	17.8
3/4"	20	20	225	66	123	52.5	27	23
1"	25	25	245	77	153	57.5	33.7	28.5
1 1/4"	32	32	255	80	153	71.5	42.2	37.2
1 1/2"	40	38	260	91	183	79	48.4	43
2"	50	50	275	98	183	97	61	54
2 1/2"	65	65	334	138	246	124.5	77	70
3"	80	80	354	149	246	149.0	90	82
4"	100	100	346	175	500	180.6	115	106

* To be developed on request.



BALL VALVE

3-Piece Ball Valve - Long Butt Weld End + Threaded End
PN50/CLASS 300, DN10~DN100

MODEL: KHD-31

» Features

Chevron stem packing reduces wear and increases sealing performance
3-piece swing-out design enables in-line maintenance
Blowout-proof stem
Certified according to PED 2014/68/EU
EN 10204-3.1 Material Certificate is complementary

» Body Material

ASTM CF8M, CF8, WCB, DIN 1.4408, 1.4308, 1.0619

» Size Range

3/8" - 4" (DN10~DN100)

» Pressure Rating

PN50/CLASS 300

» End Connection

Threaded, Butt weld, long butt weld, Socket weld,
Combination of end connections also available

» Standards

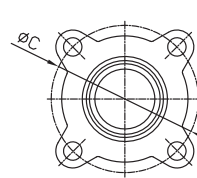
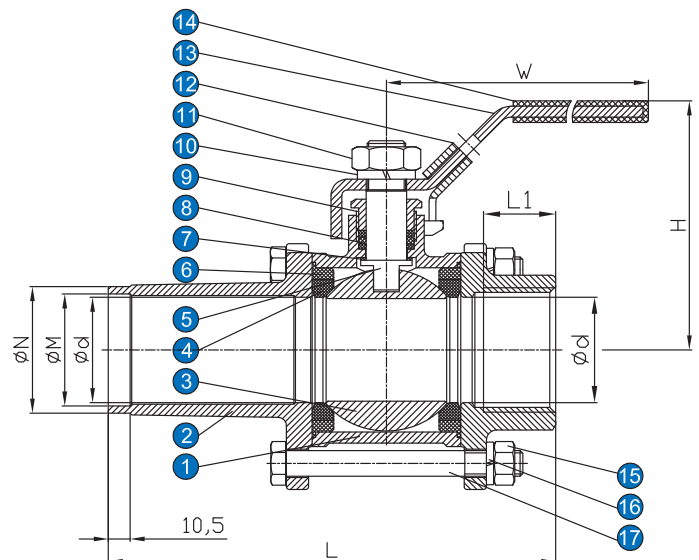
API 598, ISO 5208 or EN 12266-1

» Temperature Range

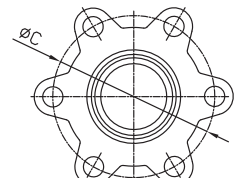
-4°F to 350°F (-20°C to 180°C) with PTFE/RPTFE seats

Materials List:

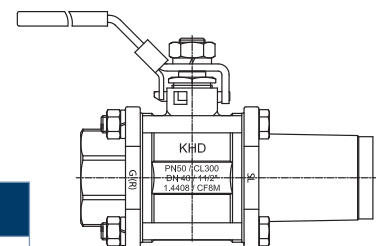
NO	PART NAME	MATERIAL
1	BODY	1.4408/CF8M
2	CAP	1.4408/CF8M
3	BALL	1.4408/CF8M
4	SEAT	15%R.PTFE
5	STEM	AISI 316
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	GLAND	AISI 304
10	SPRING WASHER	AISI 304
11	STEM NUT	AISI 304
12	LOCKING DEVICE	AISI 304
13	HANDLE	AISI 304
14	PLASTIC COVER	PLASTIC
15	HEX NUT	AISI 304
16	BOLT WASHER	AISI 304
17	JOINT BOLT	AISI 304



1/2" ~ 2-1/2"



3" ~ 4"



Dimensions (mm):

SIZE		d	L	L1	H	W	C	N	M
IN	DN								
*1/4"	8	11.6	142.5	9	54	102	37.5	13.9	11.6
3/8"	10	12.7	142.5	10	54	102	37.5	17.2	15.2
1/2"	15	15	144.5	11.5	62	123	45.5	21	17.8
3/4"	20	20	148	13	66	123	52.5	27	23
1"	25	25	163.5	14.5	77	153	57.5	33.7	28.5
1 1/4"	32	32	176	17	80	153	71.5	42.2	37.2
1 1/2"	40	38	184.5	17	91	183	79	48.4	43
2"	50	50	200	21.5	98	183	97	61	54
2 1/2"	65	65	248	23.5	138	246	124.5	77	70
3"	80	80	264.5	26.5	149	246	149	90	82
4"	100	100	281	32.5	175	500	180.6	115	106

* To be developed on request.

