



GENERAL FEATURES

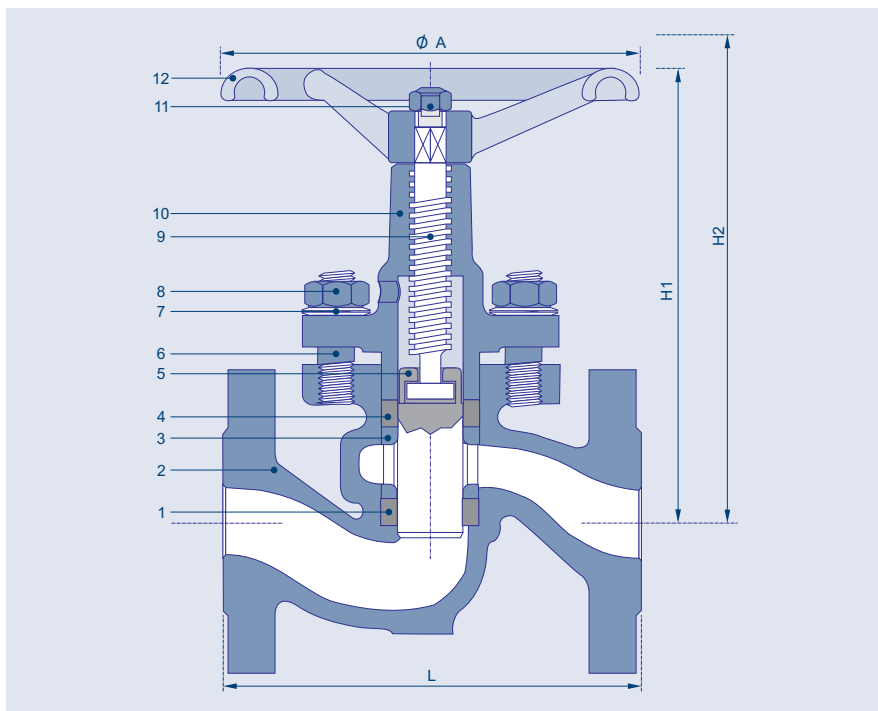
- » Reliable, leak-tight shut off – in line and to the atmosphere;
- » Resistant to temperature variations, including thermal shock;
- » Long service life and optimised life cycle costs;
- » Valve remains in line if replacement of seat rings and internal parts are necessary;
- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

CONNECTIONS

- » Flange ANSI B16.5 - Class 150 (KVN);
- » Flange ANSI B16.5 - Class 300 (KVD).

DIMENSIONS

KVN (ANSI 150#) | KVD (ANSI 300#)



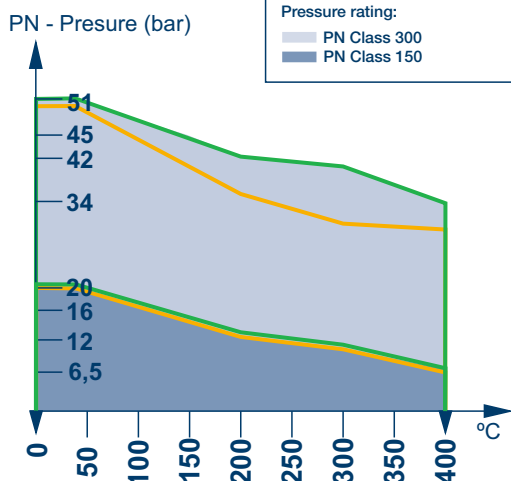
DN (pol.)	Dimensions (mm)					Weight (kg)
	L		H1	H2	A	
	ANSI 150#	ANSI 300#				
1/2"	108	152	110	130	95	3,5
3/4"	117	178	135	160	120	5,0
1"	127	203	150	185	160	7,0
1.1/2"	165	229	200	250	200	13,0
2"	203	267	225	275	200	18,0

Materials:

- Carbon steel
ASTM A 216 Gr. WCB (VII)
- Stainless steel
ASTM A 351CF8M (XC)

Pressure rating:

- PN Class 300
- PN Class 150



Components	Materials	
	II	XC
1 Lower valve ring	KX-GT*	KX-GT*
2 Body	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
3 Lantern bush	SAE 1020	ASTM A 351 CF8M
4 Upper valve ring	KX-GT*	KX-GT*
5 Piston	ASTM A 351CF8	ASTM A 351 CF8M
6 Stud bolt	5,6	AISI 316
7 Belleville washer	SAE 1070	AISI 316
8 Bonnet nut	5	AISI 316
9 Spindle	AISI 410	ASTM A 182 F316
10 Bonnet	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
11 Handwheel nut	5	AISI 316
12 Handwheel	GG-25	GG-25

*Also available with PTFE sealing ring.





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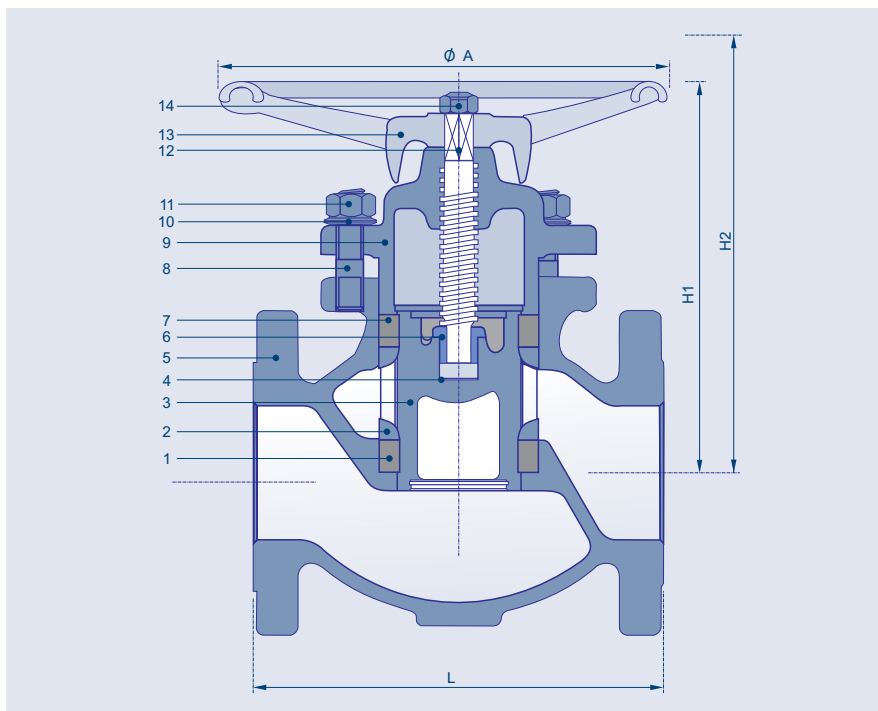
- » Reliable, leak-tight shut off – in line and to the atmosphere ;
- » Resistant to temperature variations, including thermal shock;
- » Long service life and optimised life cycle costs;
- » Valve remains in line if replacement of seat rings and internal parts are necessary;
- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings ;
- » Special cages design available for regulation purposes;
- » Recommended for heat transfer fluids.

CONNECTIONS

- » Flange ANSI B16.5 - Class 150.

DIMENSIONS

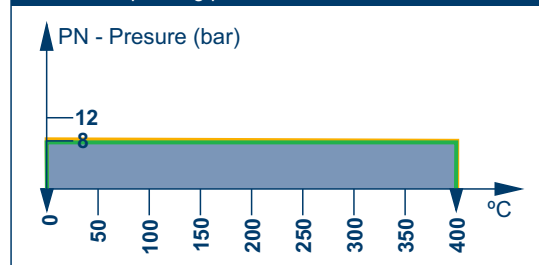
KVN (ANSI 150#)



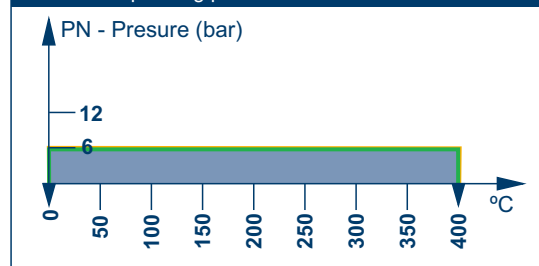
DN (pol.)	Dimensions (mm)			Weight (kg)	
	L ANSI 150#	H1	H2	A	Material VII, XC
2. 1/2"	216	198	248	280	28
3"	241	223	280	280	35
4"	292	265	340	360	55
6"	406	337	435	400	98

Materials:	
■ Carbon steel ASTM A 216 Gr. WCB (VII)	■ Stainless steel ASTM A 351CF8M (XC)

Maximum operating pressure - DN 2.1/2" and 3" - 8 bar



Maximum operating pressure - DN 4" and 6" - 6 bar



Components	Materials	
	II	XC
1 Lower valve ring	KX-GT*	KX-GT*
2 Lantern bush	ASTM A 126 CL.B	ASTM A 351 CF8M
3 Piston	ASTM A 351 CF8	ASTM A 351 CF8M
4 Disc	Brass	Brass
5 Body	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
6 Split nut	5,6	AISI 316
7 Upper valve ring	KX-GT*	KX-GT*
8 Stud bolt	5,6	AISI 316
9 Bonnet	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
10 Belleville washer	SAE 1070	AISI 316
11 Nut	5	AISI 316
12 Spindle	AISI 410	ASTM A 182 F316
13 Handwheel	GG-25	GG-25
14 Handwheel nut	5	AISI 316

*Also available with PTFE sealing ring.





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- » Reliable, leak-tight shut off – in line and to the atmosphere;
- » Resistant to temperature variations, including thermal shock;
- » Long service life and optimised life cycle costs;
- » Valve remains in line if replacement of seat rings and internal parts are necessary;
- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

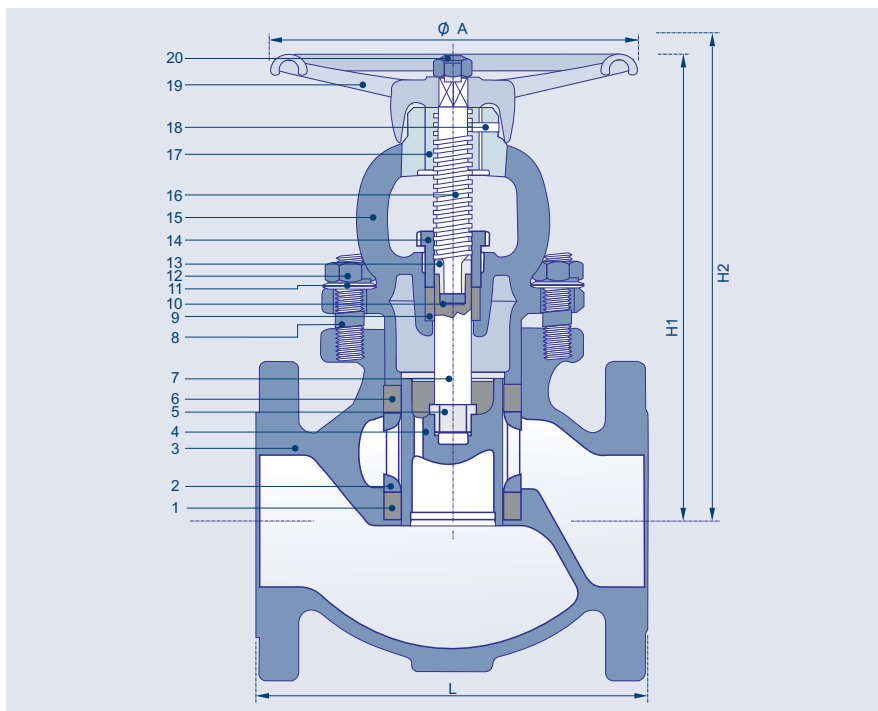
CONNECTIONS

- » Flange ANSI B16.5 - Class 150;
- » Flange ANSI B16.5 - Class 300;

DIMENSIONS

KVN-LT (ANSI 150#)

KVN-LT (ANSI 300#)



DN (pol.)	Dimensions (mm)					Weight (kg)
	L		H1	H2	A	
	ANSI 150#	ANSI 300#				
2.1/2"	216	292	311	361	280	31
3"	241	318	356	413	280	38
4"	292	356	419	494	360	59
5"	400	400	447	522	700	78
6"	406	445	512	610	400	110
8"	600	600	512	610	400	185

* For 8" diameter, only available with 600 mm face as per EN 558-1, Gr. 1

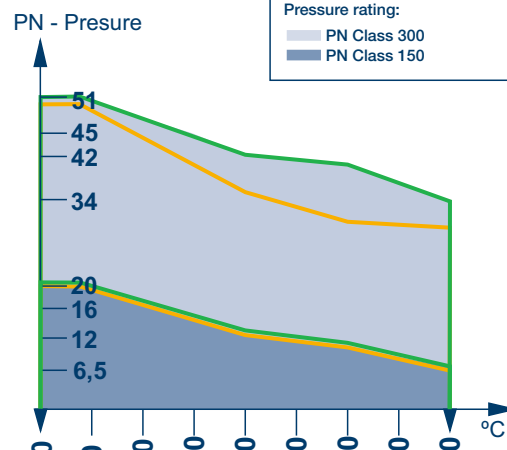
Components		Materials	
		VII	XC
1	Lower valve ring	KX-GT*	KX-GT*
2	Lantern bush	ASTM A 126 CL.B	ASTM A 351 CF8M
3	Body	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
4	Piston	ASTM A 351CF8	ASTM A 351 CF8M
5	Split nut	SAE 1020	ASTM A 351 CF8M
6	Upper valve ring	KX-GT*	KX-GT*
7	Piston shaft	AISI 304	AISI 316
8	Stud bolt	5,6	AISI 316
9	Ring	KX-GT	KX-GT
10	Disc	Brass	Brass
11	Belleville washer	SAE 1070	AISI 316
12	Bonnet nut	5	AISI 316
13	Split nut	SAE 1020	ASTM A 351 CF8M
14	Gland retainer	SAE 1020	ASTM A 182 F316
15	Bonnet	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
16	Spindle	AISI 410	ASTM A 182 F316
17	Threaded bush	Brass	Brass
18	Lock pin	SAE 1070	AISI 316
19	Handwheel	GG-25	GG-25
20	Handwheel nut	5	AISI 316

Materials:

- Carbon steel
ASTM A 216 Gr. WCB (VII)
- Stainless steel
ASTM A 351CF8M (XC)

Pressure rating:

- PN Class 300
- PN Class 150



*Also available with PTFE sealing ring.





GENERAL FEATURES

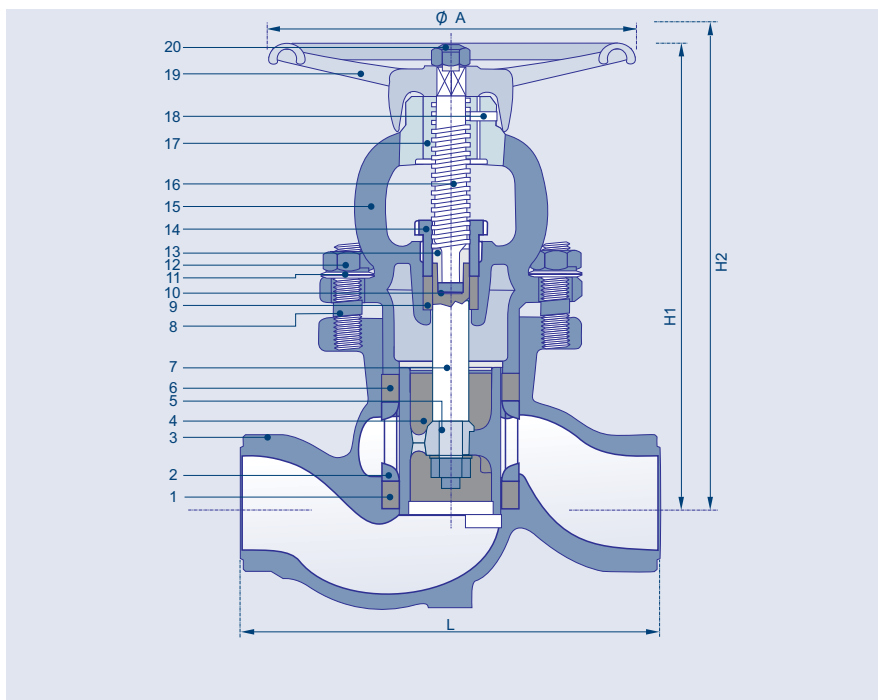
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- » Long service life and optimised life cycle costs;
- » Valve remains in line if replacement of seat rings and internal parts are necessary;
- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

CONNECTIONS

- » Butt weld;

DIMENSIONS

- » ANSI B16.10.300#



DN (pol.)	Dimensions (mm)				Weight (kg)
	L ANSI 300#	H1	H2	A	
2.1/2"	292	311	361	280	31
3"	318	356	413	280	38
4"	356	419	494	360	59
5"	400	447	522	700	78
6"	445	512	610	400	110
*8"	600	512	610	400	185

* For 8" diameter, only available with 600 mm face as per EN 558-1, Gr. 1

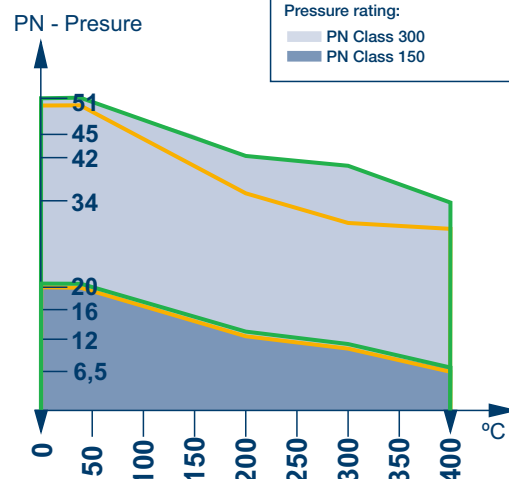
Components		Materials	
		VII	XC
1	Lower valve ring	KX-GT*	KX-GT*
2	Lantern bush	ASTM A 126 CL.B	ASTM A 351 CF8M
3	Body	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
4	Piston	ASTM A 351CF8	ASTM A 351 CF8M
5	Split nut	SAE 1020	ASTM A 351 CF8M
6	Upper valve ring	KX-GT*	KX-GT*
7	Piston shaft	AISI 304	AISI 316
8	Stud bolt	5,6	AISI 316
9	Ring	KX-GT	KX-GT
10	Disc	Brass	Brass
11	Belleville washer	SAE 1070	AISI 316
12	Bonnet nut	5	AISI 316
13	Split nut	SAE 1020	ASTM A 351 CF8M
14	Gland retainer	SAE 1020	ASTM A 182 F316
15	Bonnet	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
16	Spindle	AISI 410	ASTM A 182 F316
17	Threaded bush	Brass	Brass
18	Lock pin	SAE 1070	AISI 316
19	Handwheel	GG-25	GG-25
20	Handwheel nut	5	AISI 316

Materials:

- Carbon steel
ASTM A 216 Gr. WCB (VII)
- Stainless steel
ASTM A 351CF8M (XC)

Pressure rating:

- PN Class 300
- PN Class 150



*Also available with PTFE sealing ring.





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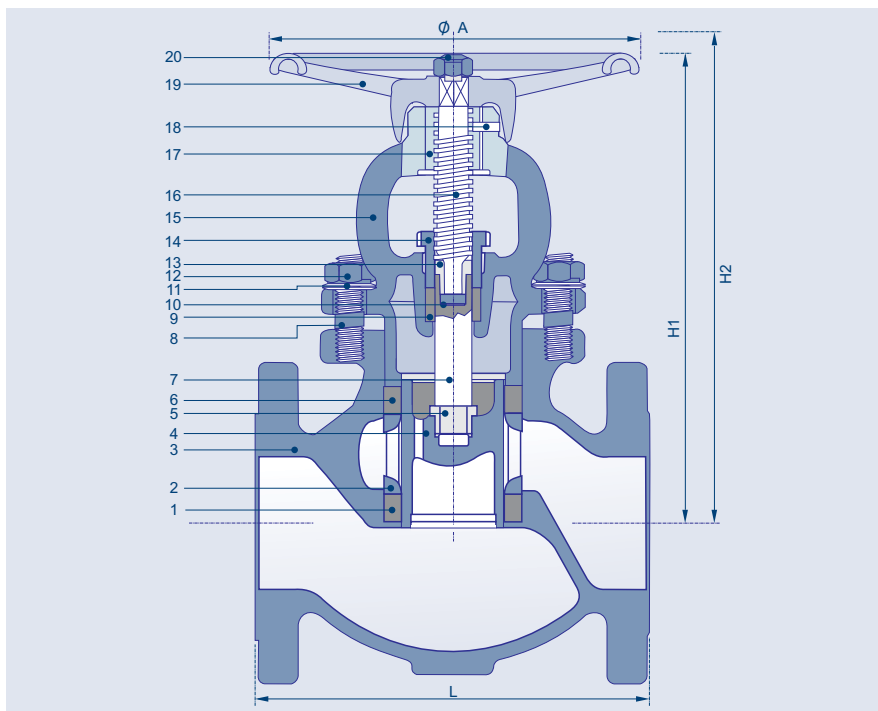
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- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

CONNECTIONS

- » Flange EN 1092-2 (PN16);
- » Flange EN 1092-2 (PN40).

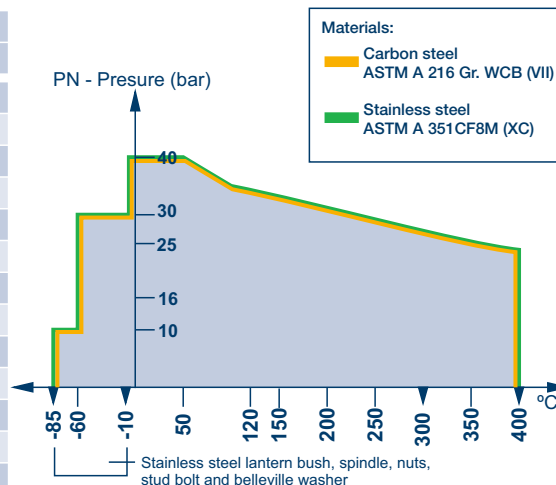
DIMENSIONS

KVN-LT (PN 16/40)



DN (pol.)	Dimensions (mm)					Weight (kg)
	L		H1	H2	A	
	PN 16	PN 40				
2.1/2"	290	290	311	361	280	31
3"	310	310	356	413	280	38
4"	350	350	419	494	360	59
5"	400	400	447	522	700	78
6"	480	480	512	610	400	110
8"	600	600	512	610	400	185

Components		Materials	
		VII	XC
1	Lower valve ring	KX-GT*	KX-GT*
2	Lantern bush	ASTM A 126 CL.B	ASTM A 351 CF8M
3	Body	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
4	Piston	ASTM A 351CF8	ASTM A 351 CF8M
5	Split nut	SAE 1020	ASTM A 351 CF8M
6	Upper valve ring	KX-GT*	KX-GT*
7	Piston shaft	AISI 304	AISI 316
8	Stud bolt	5,6	AISI 316
9	Ring	KX-GT	KX-GT
10	Disc	Brass	Brass
11	Belleville washer	SAE 1070	AISI 316
12	Bonnet nut	5	AISI 316
13	Split nut	SAE 1020	ASTM A 351 CF8M
14	Gland retainer	SAE 1020	ASTM A 182 F316
15	Bonnet	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
16	Spindle	AISI 410	ASTM A 182 F316
17	Threaded bush	Brass	Brass
18	Lock pin	SAE 1070	AISI 316
19	Handwheel	GG-25	GG-25
20	Handwheel nut	5	AISI 316



*Also available with PTFE sealing ring.





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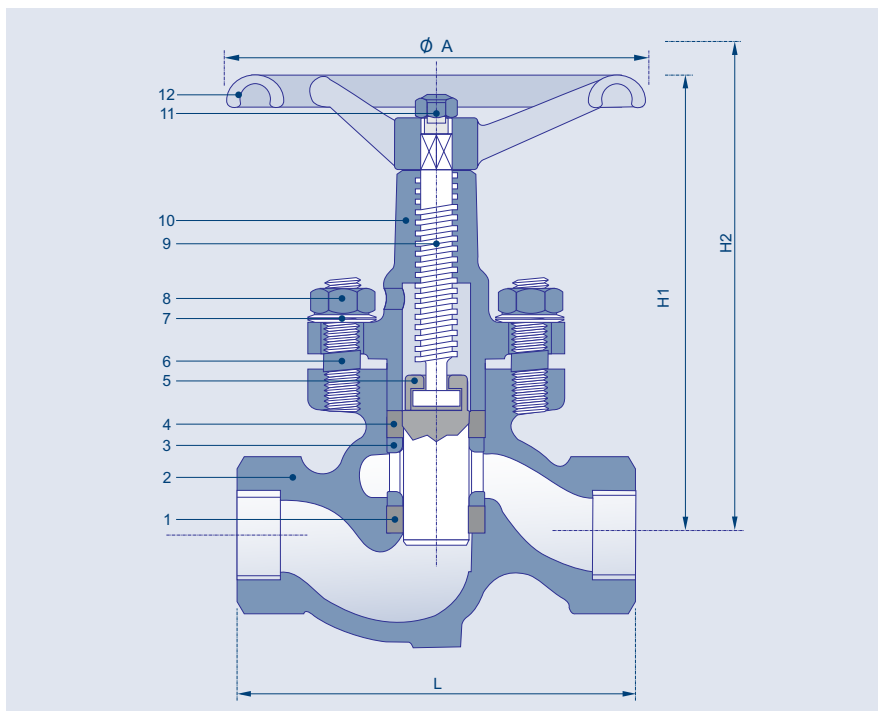
CONNECTIONS

- » Screw thread BSP ISO 228-1;
- » Screw thread NPT ANSI B2.1.

DIMENSIONS

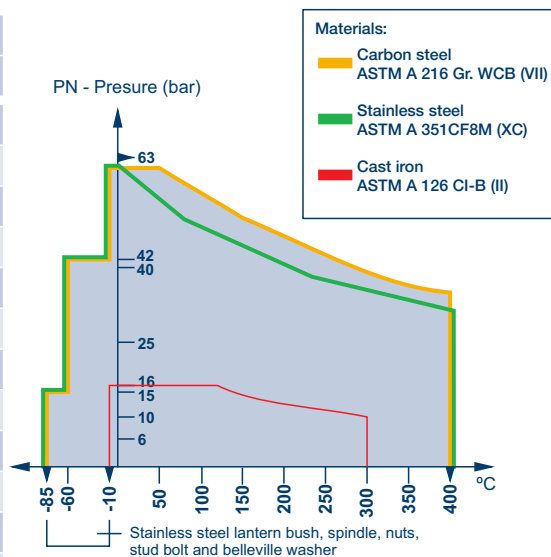
KVMD - 1/2" - 1.1/4"

KVMN - 1.1/2" - 2"



DN (pol.)	Dimensions (mm)								Weight (kg)	
	L		H1		H2		A		Material II	Material VII, XC
	DIN PN 16	DIN PN 63	DIN PN 16	DIN PN 63	DIN PN 16	DIN PN 63	DIN Pn16	DIN Pn63		
1/2"	100	100	120	110	150	130	95	90	2,0	2,0
3/4"	120	120	150	135	180	160	120	120	2,5	2,5
1"	135	135	175	150	160	185	160	160	4,0	4,0
1.1/4"	-	160	-	195	-	235	-	160	6,0	6,5
1.1/2"	185	185	220	200	270	250	200	200	8,5	9,0
2"	220	220	245	225	300	275	200	225	12,5	13,0

Components	Materials		
	II (PN16)	VII (PN63)	XC (PN63)
1 Lower valve ring	KX-GT	KX-GT	KX-GT
2 Body	ASTM A 126 CL.B	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
3 Lantern bush	SAE 1020	SAE 1020	ASTM A 351 CF8M
4 Upper valve ring	KX-GT	KX-GT	KX-GT
5 Piston	ASTM A 351CF8	ASTM A 351CF8	ASTM A 351 CF8M
6 Stud bolt	5,6	5,6	AISI 316
7 Belleville washer	SAE 1070	SAE 1070	AISI 316
8 Bonnet nut	5	5	AISI 316
9 Spindle	AISI 410	AISI 410	ASTM A 182 F316
10 Bonnet	ASTM A 126 CL.B	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
11 Handwheel nut	5	5	AISI 316
12 Handwheel	GG-25	GG-25	GG-25



*Also available with PTFE sealing ring.





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- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

CONNECTIONS

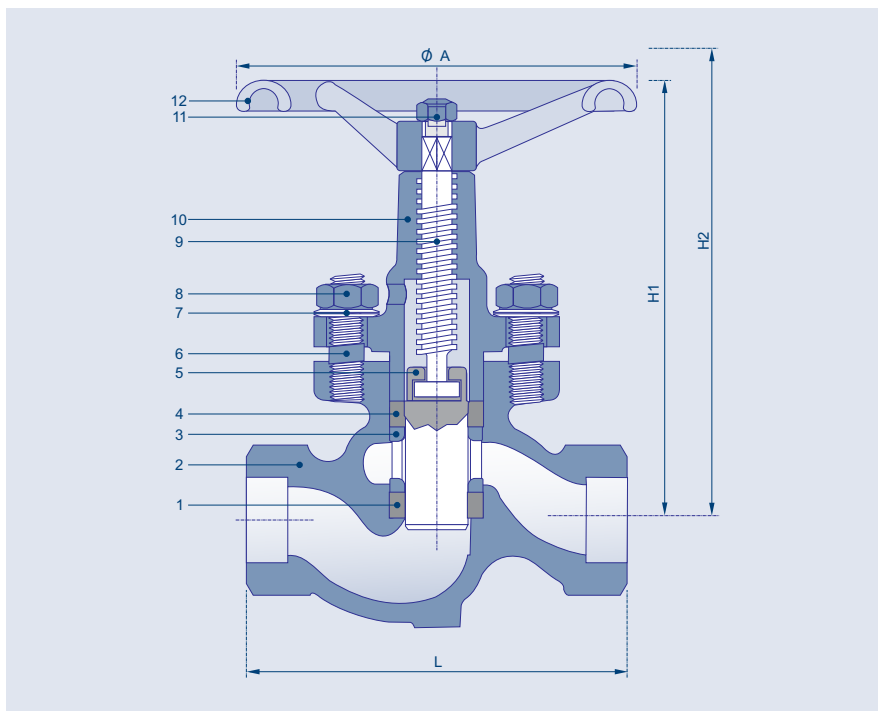
- » Welding socket EN 12760 - ANSI B16.11.

DIMENSIONS

- » DN 3202-M9.

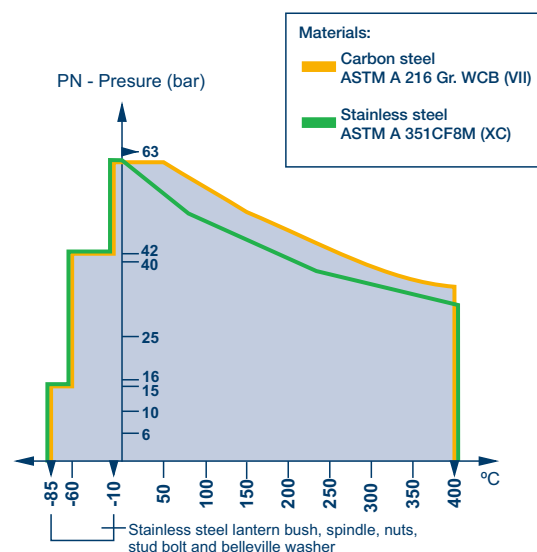
KVSD - 1/2" - 1.1/4"

KVSN - 1.1/2" - 2"



DN (mm.)	Dimensions (mm)				Weight (kg)
	L DIN Pn63	H1	H2	A	Material VII, XC
15	100	110	130	95	2,0
20	120	135	160	120	2,5
25	135	150	185	160	3,0
32	160	196	235	160	6,5
40	185	200	250	200	9,0
50	220	225	275	200	13,0

Components	Materials	
	VII	XC
1 Lower valve ring	KX-GT	KX-GT
2 Body	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
3 Lantern bush	SAE 1020	ASTM A 351 CF8M
4 Upper valve ring	KX-GT	KX-GT
5 Piston	ASTM A 351CF8	ASTM A 351 CF8M
6 Stud bolt	5,6	AISI 316
7 Belleville washer	SAE 1070	AISI 316
8 Bonnet nut	5	AISI 316
9 Spindle	AISI 410	ASTM A 182 F316
10 Bonnet	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
11 Handwheel nut	5	5
12 Handwheel	GG-25	GG-25



*Also available with PTFE sealing ring.



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- » Valve remains in line if replacement of seat rings and internal parts are necessary;
- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

CONNECTIONS

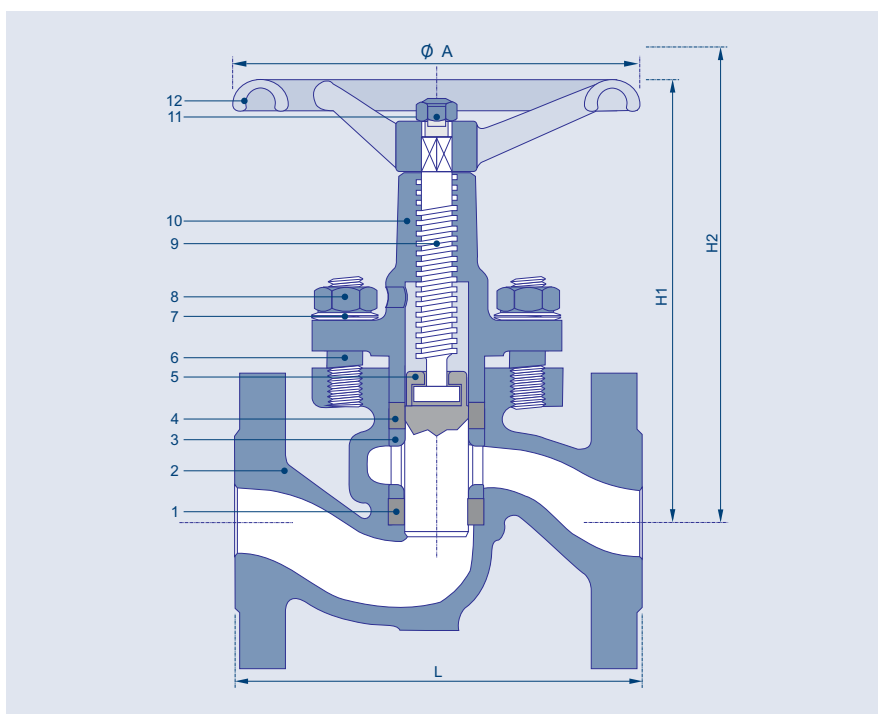
- » Flange EN 1092-2 (PN16);
- » Flange EN 1092-2 (PN40).

DIMENSIONS

- » EN 558-1, Gr.1.

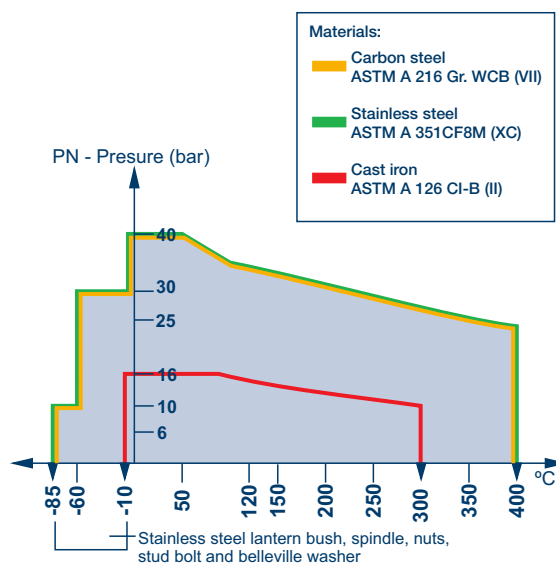
KVD - PN 16

KVD - PN 40



DN (mm)	Dimensions (mm)						Weight (kg)		
	L		H1		H2		A	Material II	Material VII, XC
	DIN PN 16	DIN PN 40	DIN PN 16	DIN PN 40	DIN PN16	DIN PN 40			
15	130	130	120	110	150	130	95	3,0	3,5
20	150	150	150	135	180	160	120	4,0	5,0
25	160	160	175	150	205	185	160	6,5	7,0
32	180	180	195	195	235	235	160	8,5	9,5
40	200	200	220	200	270	250	200	11,0	13,0
50	230	230	245	225	300	275	200	16,0	18,0

Components	Materials		
	II (PN16)	VII (PN40)	XC (PN40)
1 Lower valve ring	KX-GT	KX-GT	KX-GT
2 Body	ASTM A 126 CL.B	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
3 Lantern bush	SAE 1020	SAE 1020	ASTM A 351 CF8M
4 Upper valve ring	KX-GT	KX-GT	KX-GT
5 Piston	ASTM A 351CF8	ASTM A 351CF8	ASTM A 351 CF8M
6 Stud bolt	5,6	5,6	AISI 316
7 Belleville washer	SAE 1070	SAE 1070	AISI 316
8 Bonnet nut	5	5	AISI 316
9 Spindle	AISI 410	AISI 410	ASTM A 182 F316
10 Bonnet	ASTM A 126 CL.B	ASTM A 216 Gr. WCB	ASTM A 351 CF8M
11 Handwheel	5	5	AISI 316
12 Handwheel	GG-25	GG-25	GG-25



*Also available with PTFE sealing ring.





DATA SHEET

KVSD 800



GENERAL FEATURES

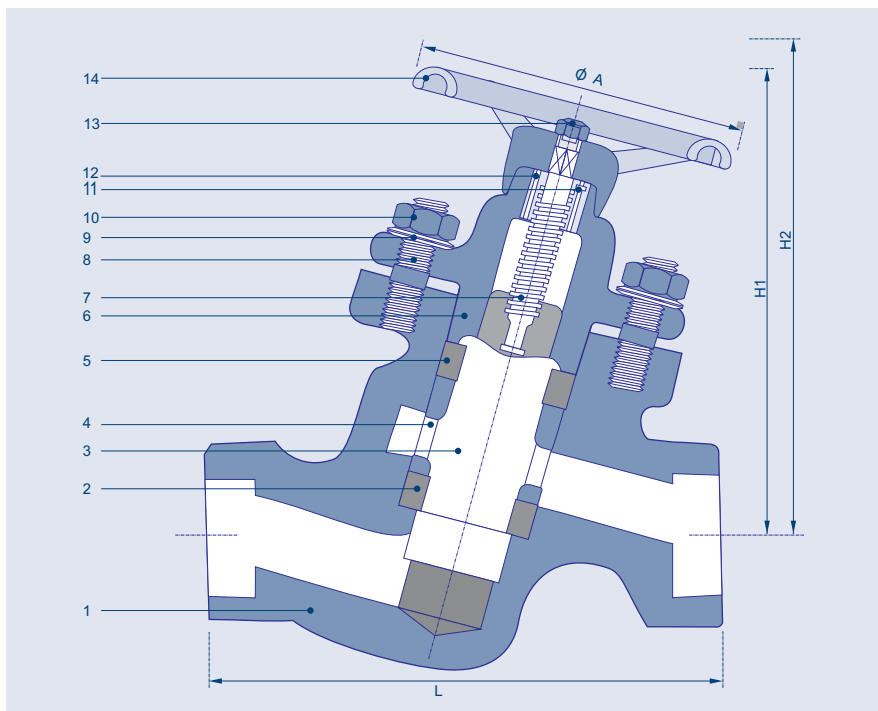
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- » Resistant to temperature variations, including thermal shock;
- » Long service life and optimised life cycle costs;
- » Valve remains in line if replacement of seat rings and internal parts are necessary;
- » Free of gland packings;
- » Valve seal with KXGT rings – elastic graphite rings;
- » Special cages design available for regulation purposes.

CONNECTIONS

- » Welding socket EN 12760 - ANSI B16.11.

DIMENSIONS

- » EN 558-1, Gr.1

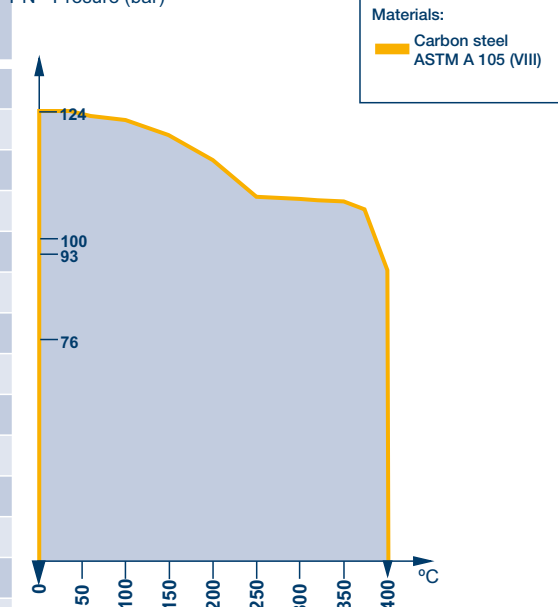


KVSD - (ANSI 800#)

DN (mm.)	Dimensions (mm)				Weight (kg)
	L DIN Pn63	H1	H2	A	
1/2"	100	120	145	95	2,1
3/4"	120	143	166	118	3,1
1"	135	165	202	155	5,4
1. 1/2"	185	230	265	200	11,3

Components		Materials
1	Body	ASTM A 105
2	Lower valve ring	KX-GT
3	Piston	AISI 304
4	Lantern bush	ASTM A 216 WCB
5	Upper valve ring	KX-GT
6	Bonnet	ASTM A 105
7	Spindle	AISI 410
8	Stud bolt	B7
9	Belleville washer	SAE 1070
10	Nut	2H
11	Lock pin	AISI 316
12	*Threaded bush	GG-20
13	Nut	2H
14	Handwheel	GG-25

PN - Pressure (bar)



* only for 1.1 / 2 diameter.



Quality Management System certified according to ISO 9001: 2015