

2 PIECES BALL VALVES FLANGED ISO PN 16



ISO 9001:2008

BUREAU VERITAS
Certification



Size : DN 15 to 200 mm
Ends : ISO PN16 R.F. Flanges
Min Temperature : - 20°C
Max Temperature : + 200°C
Max Pressure : 40 Bars up to DN50 (16 bars over)
Specifications : ISO 5211 mounting pad
PTFE filled with glass seat
Anti blow-out stem
Atex
Fire safe according to API607

Materials : Carbon steel or Stainless steel



LEHENGOTAK, S. A.

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SPECIFICATIONS :

- Full bore
- Anti blow-out stem
- PTFE filled with glass seat
- Locking device
- ISO 5211 mounting pad
- 2 pieces type (Split body)
- Hollowed ball from DN125 to DN200

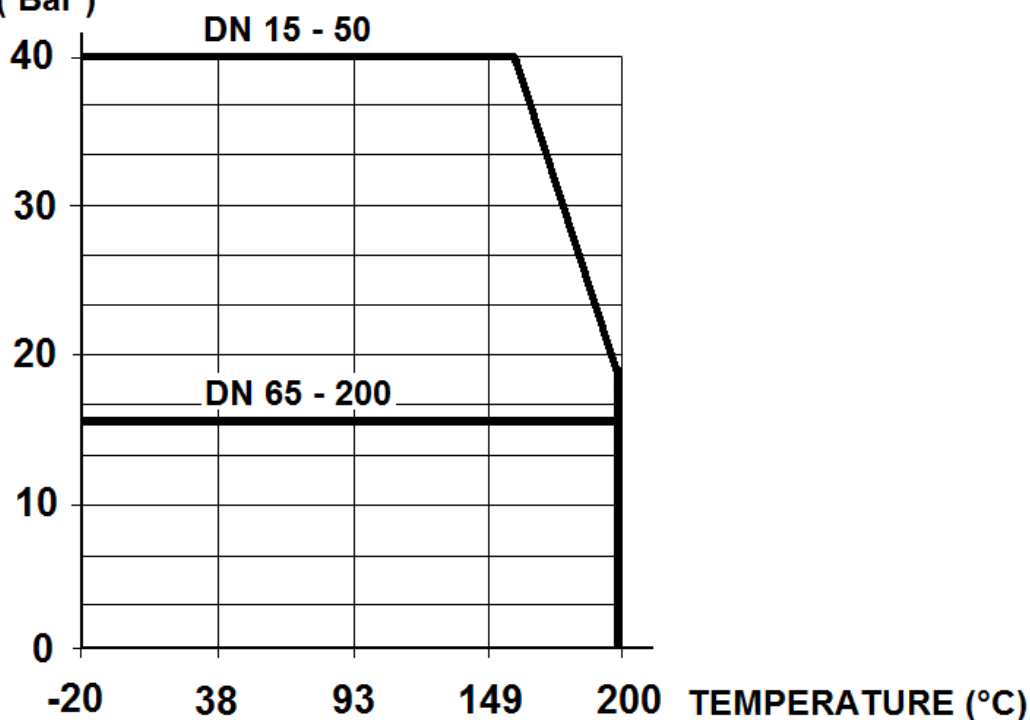
USE :

- For all common fluids
- Min and max Temperatures Ts : -20°C to + 200°C
- Max Pressure PN : 40 bars up to DN50, 16 bars over (see graph under)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

PRESSURE

(Bar)



RANGE :

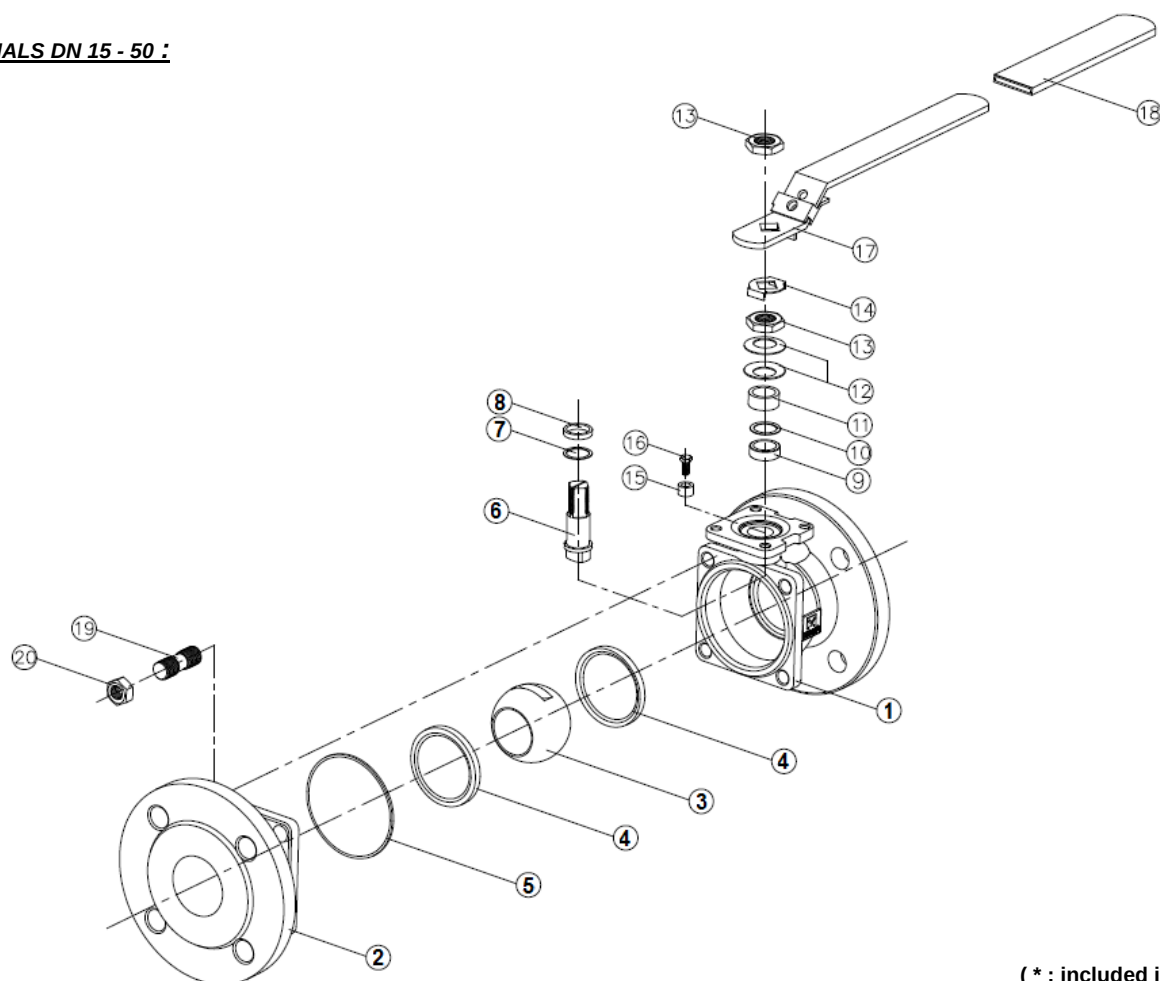
- Carbon steel body **Ref. 762** from DN 15 to DN 200
- Stainless steel body **Ref. 763** from DN 15 to DN 200

ENDS :

- R.F. Flanged ISO PN40 up to DN50, ISO PN16 over

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MATERIALS DN 15 - 50 :

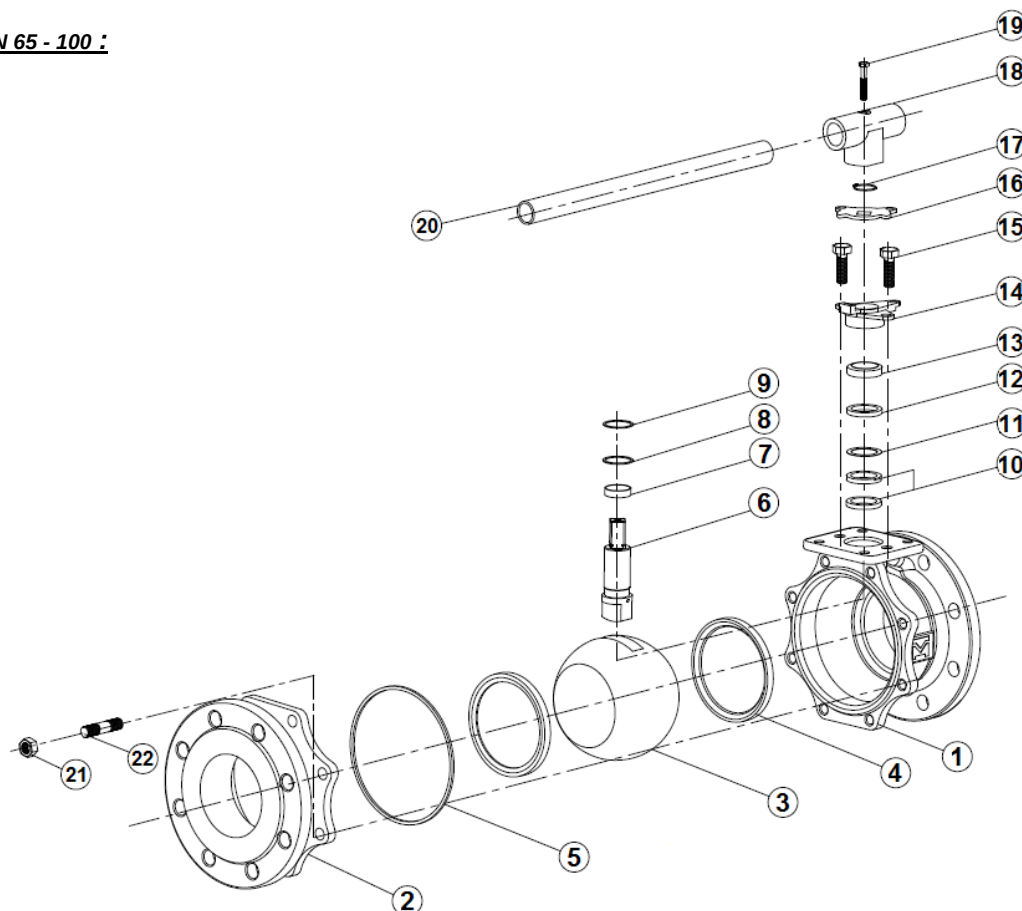


(* : included in gaskets kit)

Item	Designation	Materials 762	Materials 763
1	Body	ASTM A216 WCB	ASTM A351 CF8M
2	Ends	ASTM A216 WCB	ASTM A351 CF8M
3	Ball	ASTM A351 CF8M	
4*	Seat	PTFE filled with glass	
5*	Body seal	Graphite	
6	Stem	ASTM A276 316	
7*	Ring	PTFE filled with carbon	
8*	Ring	PTFE filled with carbon	
9*	Packing	Graphite	
10*	Packing	PTFE filled with carbon	
11	Packing gland	SS 304	
12	Elastic ring	SS 301	
13	Nut	SS 304	
14	Washer	SS 304	
15	Pin	SS 304	
16	Pin screw	SS 304	
17	Handle	SS 304	
18	Handle cover	PVC	
19	Stud	SS 304	
20	Nut	SS 304	

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MATERIALS DN 65 - 100 :

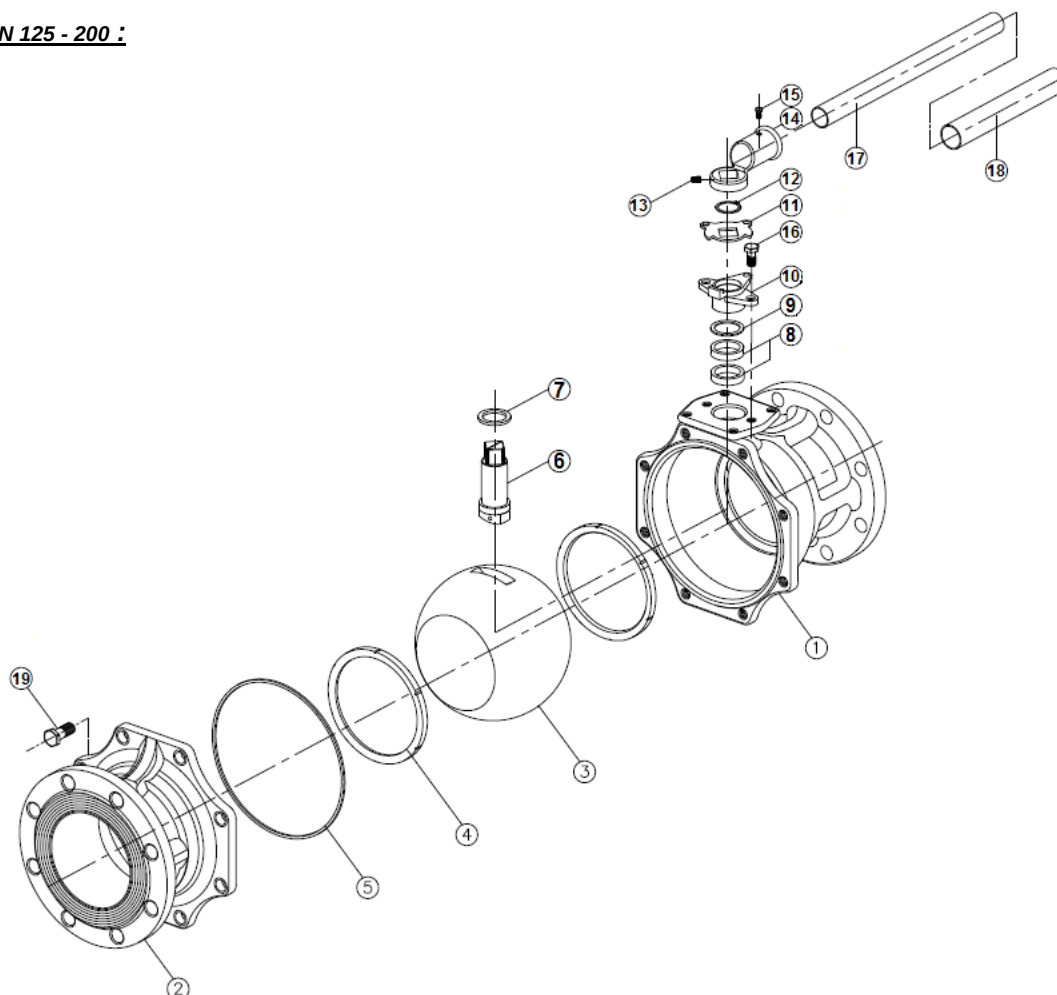


Item	Designation	Materials 762	Materials 763
1	Body	ASTM A216 WCB	ASTM A351 CF8M
2	Ends	ASTM A216 WCB	ASTM A351 CF8M
3	Ball	ASTM A351 CF8M	
4*	Seat	PTFE filled with glass	
5*	Body seal	Graphite	
6	Stem	ASTM A276 316	
7*	Ring	PTFE filled with carbon	
8*	Ring	PTFE filled with carbon	
9*	Ring	PTFE filled with carbon	
10*	Packing	Graphite	
11*	Packing	PTFE filled with carbon	
12	Ring	SS 304	
13	Ring	SS 304	
14	Packing gland	ASTM A351 CF8	
15	Packing gland screw	SS 304	
16	Pin	SS 304	
17	Circlips	SS 304	
18	Handle adaptor	ASTM A351 CF8	
19	Screw	SS 304	
20	Handle	Steel	
21	Nut	SS 304	
22	Stud	SS 304	

(* : included in gaskets kit)

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MATERIALS DN 125 - 200 :



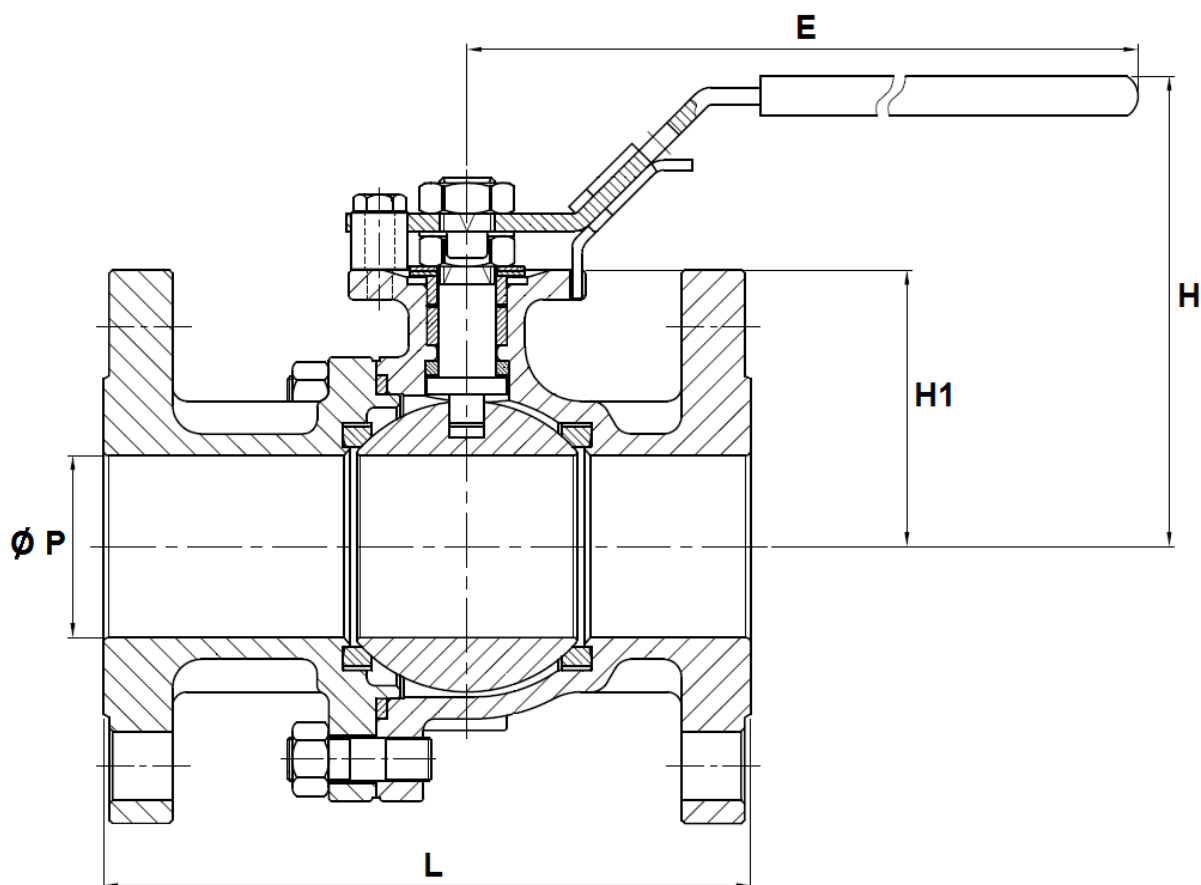
Item	Designation	Materials 762	Materials 763
1	Body	ASTM A216 WCB	ASTM A351 CF8M
2	Ends	ASTM A216 WCB	ASTM A351 CF8M
3	Ball	SS 316	
4*	Seat	PTFE filled with glass	
5*	Body seal	Graphite	
6	Stem	ASTM A276 316	
7*	Ring	PTFE filled with carbon	
8*	Packing	Graphite	
9*	Packing	PTFE filled with carbon	
10*	Packing gland	ASTM A351 CF8	
11	Pin	SS 304	
12	Circlips	SS 304	
13	Screw	SS 304	
14	Handle adaptor	SS 304	
15	Screw	SS 304	
16	Packing gland screw	SS 304	
17	Handle	Steel	
18	Handle cover	PVC	
19	Body screw	SS 304	

(* : included in gaskets kit)

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SIZE DN 15 - 50 (in mm) :

DN 15 - 50



Ref.	DN	15	20	25	32	40	50
762 / 763	Ø P	15	20	24	30	38	50
	L	115	120	125	130	140	150
	E	158	158	196	196	245	261
	H	75.6	78.1	92	96	109.1	115.6
	H1	39	42.5	52	56	66	73
	Weight (Kg)	2.3	3	4	5.5	7	9.3

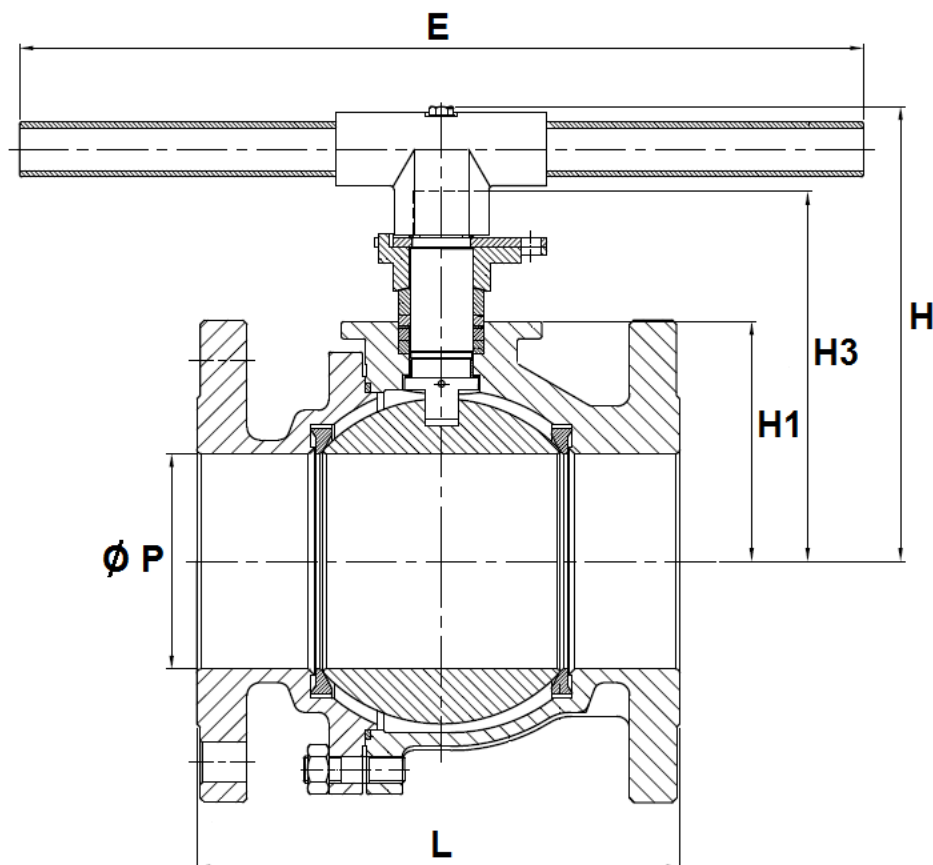


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SIZE DN 65 - 100 (in mm) :

DN 65 - 100

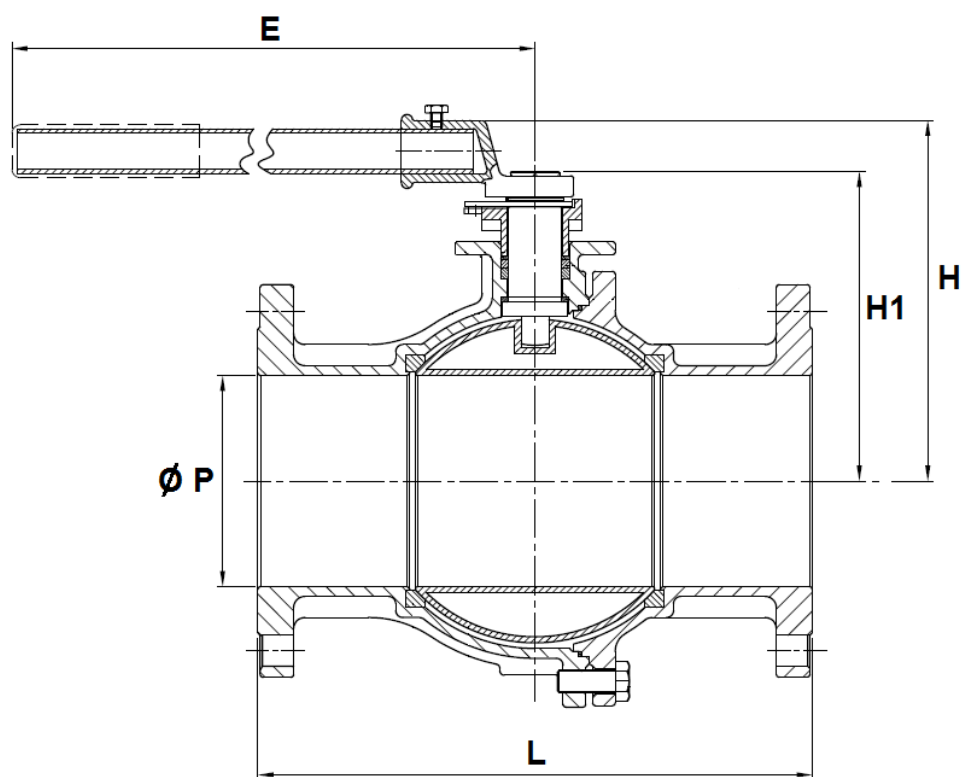


Ref.	DN	65	80	100
762 / 763	Ø P	64	76	98
	L	170	180	190
	E	400	400	400
	H	188	194	215
	H1	86.5	91.5	113.5
	H3	152	158	179
	Weight (Kg)	14.4	17.5	23.3

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SIZE DN 125 - 200 (in mm) :

DN 125 - 200

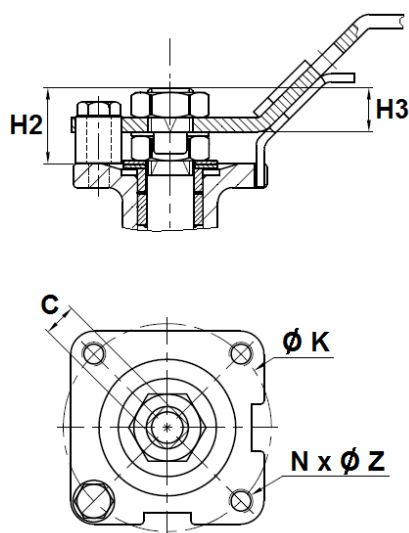


Ref.	DN	125	150	200
762 / 763	Ø P	125	150	200
	L	325	350	400
	E	743	743	925
	H	239.6	256.5	323.5
	H1	199	220	286.5
	Weight (in Kg)	36.7	52	78

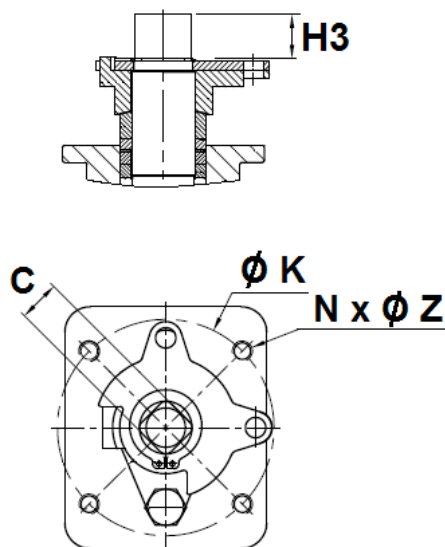
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ISO MOUNTING PAD AND STEM SIZE (in mm) :

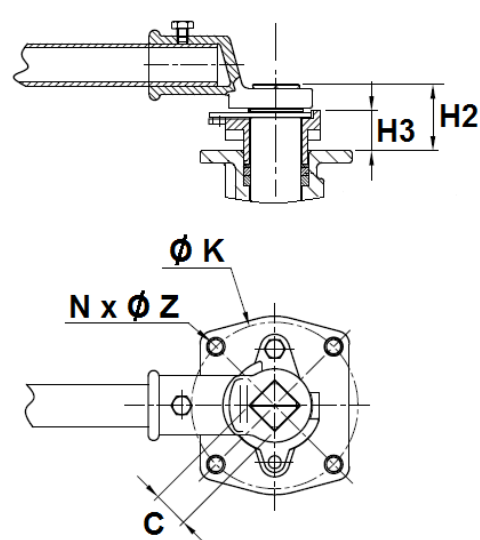
DN 15 – 50



DN 65 – 100



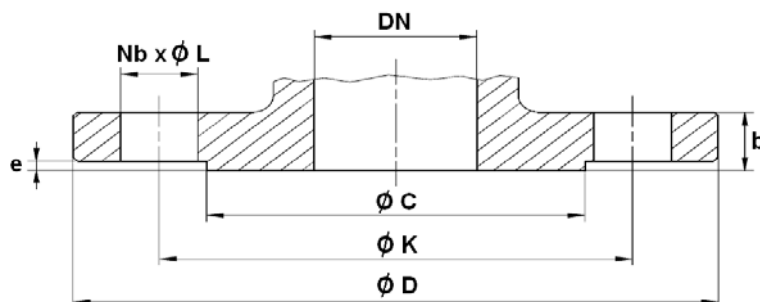
DN 125 - 200



Ref.	DN	15	20	25	32	40	50	65	80	100	125	150	200
762 – 763	C	9	9	11	11	14	14	17	17	17	27	27	36
	Ø K	42	42	50	50	70	70	102	102	102	125	125	140
	ISO	F04	F04	F05	F05	F07	F07	F10	F10	F10	F12	F12	F14
	N x Ø Z	4xM5	4xM5	4xM6	4xM6	4xM8	4xM8	4xM10	4xM10	4xM10	4xM12	4xM12	4xM16
	H2	14.5	14	18	17	22	21.5	-	-	-	52	50	85.5
	H3	8.5	8.5	12	12	14	14	27	27	27	32	31	30

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ISO PN16 FLANGES SIZE (in mm) :



Ref.	DN	15	20	25	32	40	50	65	80	100	125	150	200
762 - 763	Ø C	45	58	68	78	88	102	122	138	158	188	212	268
	Ø D	95	105	115	140	150	165	185	200	220	250	285	340
	Ø K	65	75	85	100	110	125	145	160	180	210	240	295
	Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x 18	8 x 22	12 x 22
	b	16	18	18	18	18	20	18	20	20	22	22	24
	e	2	2	2	2	3	3	3	3	3	3	3	3

TORQUE VALUES (in Nm without safety coefficient) :

DN	15	20	25	32	40	50	65	80	100	125	150	200
Torque (Nm)	8	10	12	20	30	40	60	90	130	160	250	500

STANDARDS :

- Fabrication according to ISO 9001 : 2008
- DIRECTIVE 97/23/CE : CE N° 0035
Risk Category II
- Construction according to EN 12516-1
- Tests according to EN 12266-1
- ISO PN16 R.F. flanges according to EN 1092-1 PN16
- ISO 5211 mounting pad
- Length according to EN 558-1 series 27 (DIN 3202 F4/F5)
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 (optional marking)
- Fire safe according to API 607

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INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage.
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS :

- **Before installing the valves, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned** (if they're not, the valves may not work correctly).
- **Make sure that the two sections of the pipe (upstream and downstream) match, the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture.** To be sure, place the kit in position to ensure the assembling will work.
- **If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.**
- Tighten the bolts in cross.
- It's recommended to operate the valve (open and close) 1 to 2 times per year

