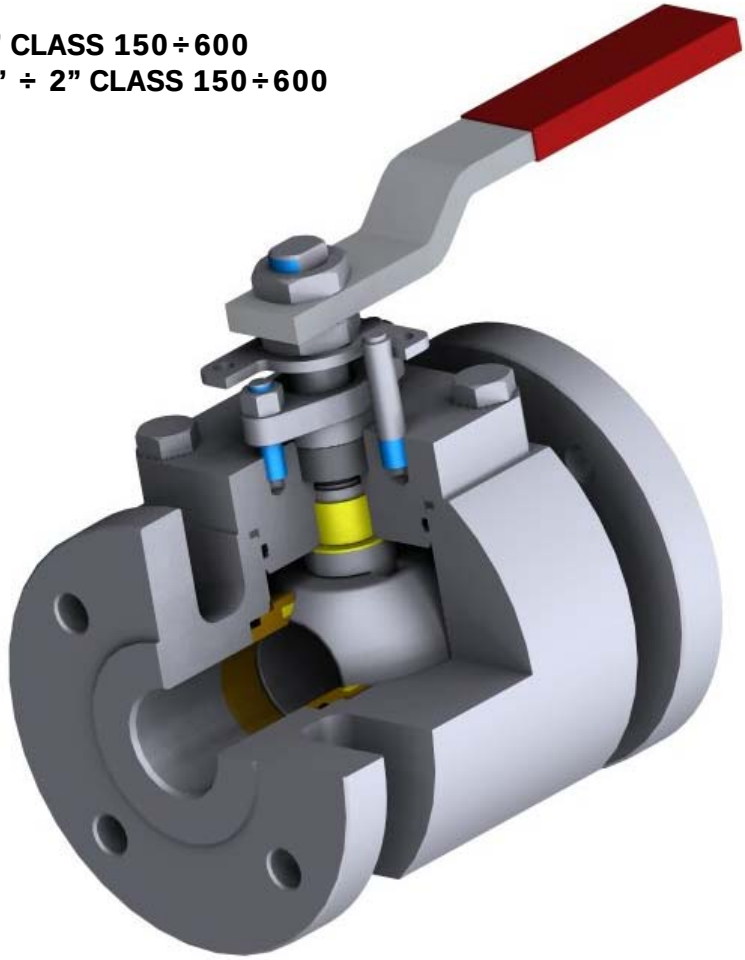
TOP ENTRY FULL OR REDUCED BORE

FLOATING BALL VALVES

FULL BORE – DN 1/2"÷ 2" CLASS 150÷600
REDUCED BORE – DN 3/4" ÷ 2" CLASS 150÷600



DESIGN FEATURES:

(General) Construction according to:
ASME B.16.34 – ASME B.16.5 – ASME B.16.11 – ASME B.1.20.1
Design fire safe API 607
Face to Face dimensions ASME B.16.10

1- Long operation life
2- Low torque
3- One piece body and fire safe metal seat
4- Anti blow out stem
5- Bushing guided stem
6- Self aligning packing flange and gland
7- Locking device
8- Anti-static design
9- Socket-weld, threaded and flanged ends

All parts can be easily maintened and/or replaced in line

APPLICATIONS:

These high performance ball valve meet all requirements for:
- oil and gas pipeline service
- chemical and petrolchimical
- pharmaceutics
- Energy
- Process industry, can meet NACE specifications.

CARATTERISTICHE DI PROGETTO:

Progetto in accordo a:
ASME B.16.34 – ASME B.16.5 – ASME B.16.11 – ASME B.1.20.1
Progetto fire safe API 607
Scartamento in accordo a ASME B.16.10

1- Lunga durata in esercizio
2- Basso valore di coppia
3- Corpo monoblocco e sedi metalliche
4- Stelo anti-esplulsione
5- Stelo guidato da cuscinetto
6- Flangia e boccola premitreccia in 2 pezzi auto allineati
7- Dispositivo di fermo
8- Progetto anti-statico
9- Estremità a tasca, filettate e flangiate

CAMPO DI APPLICAZIONE:

Le valvole soddisfano i requisiti per l'applicazione in impianti di:
- oleodotti e gasdotti
- chimica e petrolchimica
- farmaceutica
- energia e alimentare
- processi industriali in generale in conformità delle normative NACE.

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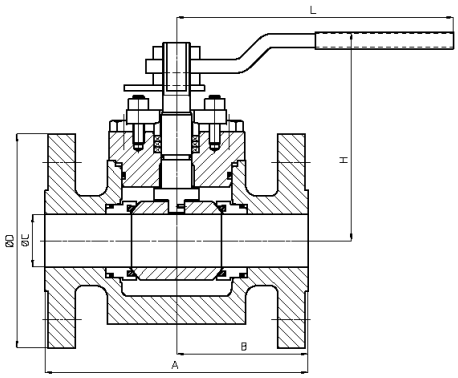
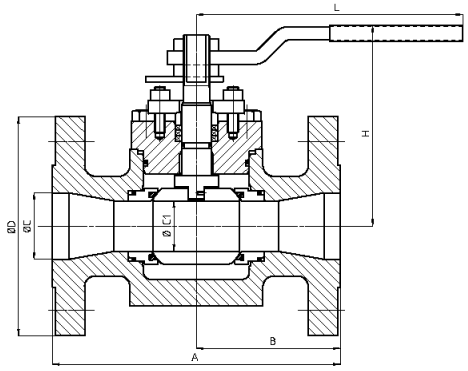
DIMENSIONS:



Flanged Full Bore

Series TE 10

SIZE (INCH)	CLASS 150 LBS						CLASS 300 LBS						CLASS 600 LBS					
	A	B	C	D	H	L	A	B	C	D	H	L	A	B	C	D	H	L
1/2"	140	70	13	90	95	130	140	70	13	95	95	130	165	82,5	13	95	95	130
3/4"	152	76	19	100	110	150	152	76	19	115	110	150	190	95	19	115	110	150
1"	165	82,5	25	110	125	150	165	82,5	25	125	125	150	216	108	25	125	125	150
1.1/2"	190	95	38	125	150	200	190	95	38	155	150	200	241	120,5	38	155	150	200
2"	216	108	50	152	175	210	216	108	50	165	175	210	292	146	50	165	175	310



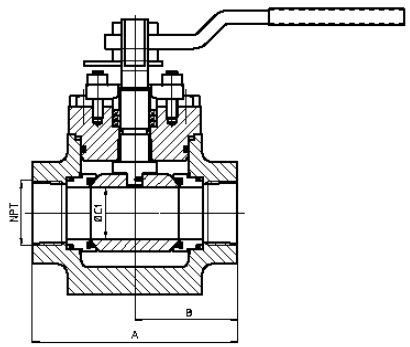
Flanged Reduced Bore

Series TE 11

SIZE (INCH)	CLASS 150 LBS							CLASS 300 LBS							CLASS 600 LBS						
	A	B	C	C1	D	H	L	A	B	C	C1	D	H	L	A	B	C	C1	D	H	L
3/4"x1/2"	152	76	19	13	100	95	130	152	76	19	13	115	95	130	190	95	19	13	115	95	130
1"x3/4"	165	82,5	25	19	110	110	150	165	82,5	25	19	125	110	150	216	108	25	19	125	110	150
1.1/2"x1"	190	95	38	25	125	125	150	190	95	38	25	155	125	150	241	120,5	38	25	155	125	150
2"x1.1/2"	216	108	50	38	152	150	200	216	108	50	38	165	150	200	292	146	50	38	165	150	200
3"x2"	283	141,5	76	50	190	175	210	283	141,5	76	50	210	175	210							

TOP ENTRY FULL OR REDUCED BORE

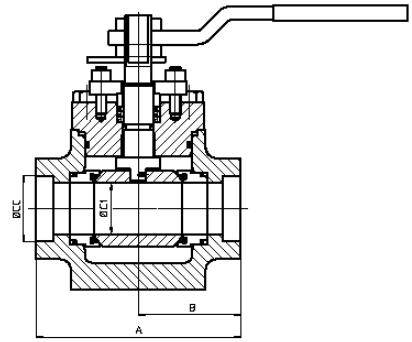
FLOATING BALL VALVES



Threaded Full Bore:

Series TE 14

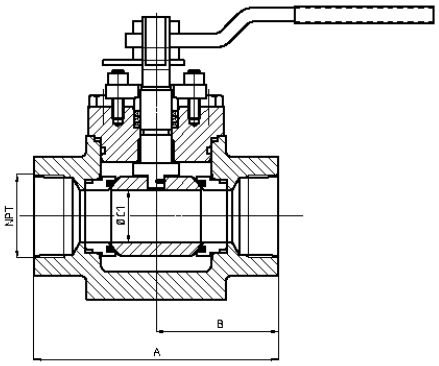
SIZE (INCH)	CLASS 150 - 300 - 600			
	A	B	C1	NPT
1/2"	108	54	13	1/2"
3/4"	114	57	19	3/4"
1"	127	63,5	25	1"
1.1/2"	152	76	38	1.1/2"
2"	176	88	50	2"



Socket-Welded Full Bore:

Series TE 12

SIZE (INCH)	CLASS 150 - 300 - 600			
	A	B	C1	CC
1/2"	108	54	13	21,5
3/4"	114	57	19	27
1"	127	63,5	25	33,7
1.1/2"	152	76	38	48,5
2"	176	88	50	60,5

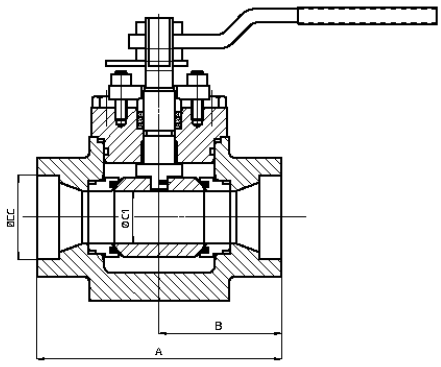


Threaded Venturi Reduced Bore:

Series TE 15

SIZE (INCH)	CLASS 150 - 300 - 600			
	A	B	C1	NPT
3/4"x1/2"	114	57	13	3/4"
1"x3/4"	127	63,5	19	1"
1.1/2"x1"	152	76	25	1.1/2"
2"x1.1/2"	176	88	38	2"

Series TE 13



SIZE (INCH)	CLASS 150 - 300 - 600			
	A	B	C1	CC
3/4"x1/2"	114	57	13	27
1"x3/4"	127	63,5	19	33.7
1.1/2"x1"	152	76	25	48.5
2"x1.1/2"	176	88	38	60.5

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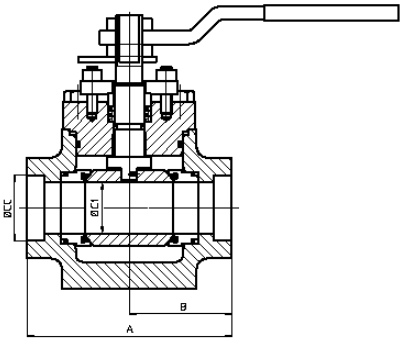

Socket-Welded Full Bore:

Series TE 12

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	A	B	C1	CC
1/2"	108	54	13	21,5
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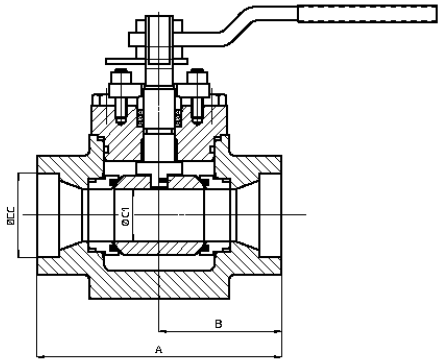

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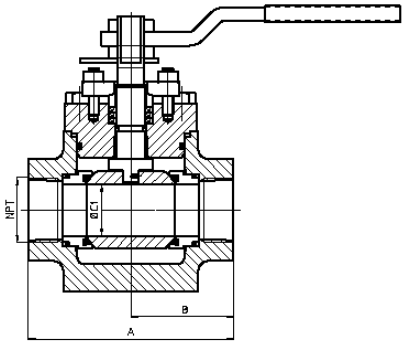

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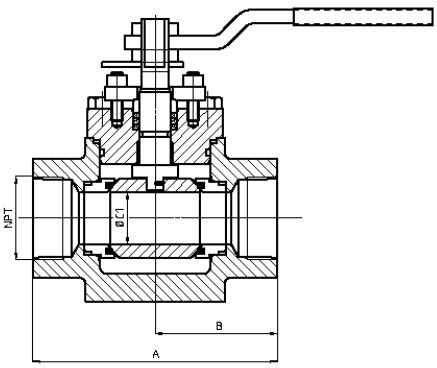

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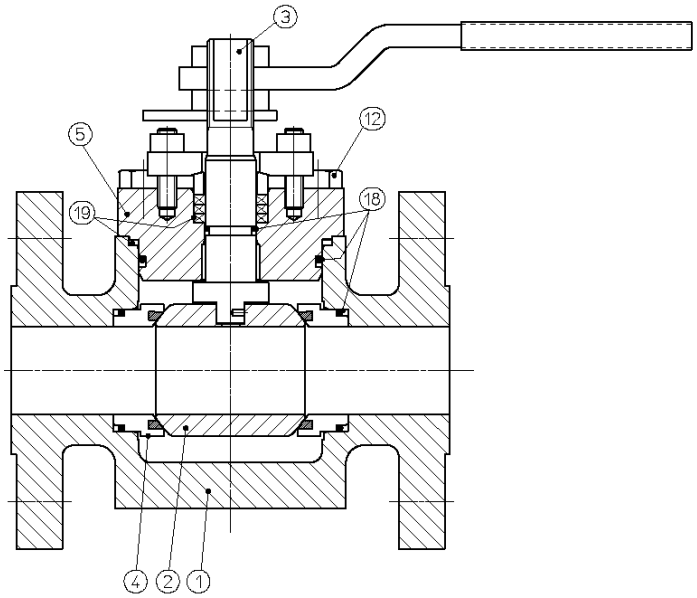
FLOATING BALL VALVES



COMPONENTS:

MATERIAL SPECIFICATIONS - LISTA MATERIALI				
SERVICE	**(01) SOUR / ACIDO**		**(02) CORROSIVE/CORROSIVO**	**(03) MARINE OFFSHORE/MARINO**
Part Name/Componenti	**minus -29°C up to plus 180°C**		**minus -29°C up to plus 210°C**	**minus -29°C up to plus 180°C**
1- Body / Corpo	LF2	A105 N	A182 F316	A182 F51
2- Ball / Sfera *	LF2 enp 0,050	A105 N enp 0,050	A182 F316	A182 F51
3- Stem / Stelo	LF2 enp 0,050	A105 N enp 0,050	A182 F316	A182 F51
4- Seat / Sede *	LF2 enp 0,050	A105 N enp 0,050	A182 F316	A182 F51
Seat Insert / Inserto sede	RPTFE / DEVLON	RPTFE / DEVLON	RPTFE / DEVLON	RPTFE / DEVLON
5- Bonnet / Cappello	LF2	A105 N	A182 F316	A182 F51
12- Bolting / Bulloneria	A 193 B7	A 193 B7	A 193 B8	A 193 B7
12- Nuts / Dadi	A 194 Gr.2H	A 194 Gr.2H	A 194 Gr.8	A 194 Gr.2H
18- O-Rings *	FKM	FKM	FKM	FKM
19- Gasket / Guarnizione *	Grafite	Grafite	Grafite	Grafite

- : Reccomended spare parts – parti di ricambio consigliate

Flow Coefficent:

Kv is flow rate of **H_2O** in **m^3/h** from **5-40° C**, with pressure Differente **Δp 1BAR**.

Coefficiente di Portata:

Kv è definito come la portata di acqua a 5-40° C, espressa in **m^3/h** che passa attraverso la valvola con un caduta di pressione di **1BAR.**

Flow Coefficents TE valves Full Bore (Kv) – Coefficiente di Portata TE valvole passaggio pieno (Kv)

DN	1/2	3/4	1	1.1/2	2
Kv	11	25	45	110	198

Flow Coefficents TE valves Reduced Bore (Kv) – Coefficiente di Portata TE valvole passaggio Ridotto (Kv)

DN	3/4x1/2	1x3/4	1.1/2x1	2x1.1/2
Kv	8	16	25	73