

VÁLVULAS DE BOLA SERIE 20 / BALL VALVES SERIE 20

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÀLVULES I ACCESSORIS

VÁLVULAS DE BOLA S20 ALTA PRESIÓN VÁLVULAS DE BOLA S10 BAJA PRESIÓN

Válvulas de bola de alta presión en diferentes conexiones BSP, NPT, SW, BW, Bidas SAE J1926 y DIN 2353. Diferentes materiales. PN hasta 500 bar y temperaturas hasta 230°C según juntas. Fire Safe BS6755, Antistatic device, Pruebas según API6D y API598.

HIGH PRESSURE BALL VALVES S20 LOW PRESSURE BALL VALVES S10

High pressure ball valves up to 500 bar and 230°C according different seats. Different connections BSP. NPT, SW, BW Flanged SAE J1926 and DIN 2353. Fire Safe BS6755, Antistatic device. Tests as per API 6D and API 598.

VÀLVULES DE BOLA D'ALTA PRESSIÓ S20 VÀLVULES DE BOLA BAIXA PRESSIÓ S10

Vàlvules de bola d'alta pressió fins a 500 bar i 230°C segons juntes. Diferents connexions BSP, NPT, SW, BW, Brides SAE J1926 i DIN 2353. Fire Safe B6755, Antistatic device. Proves segons API 6D i API 598.



Esta tabla no aplica a Válvulas de Bola Serie 10 (S10). Consultar la sección correspondiente.

This table does not apply to Ball Valves 10 Series (S10). See S10 section

Standard Features:

Full Bore
Round Body
O-Rings: NBR FKM, EPDM, MVQ
Fire Safe BS 6755 - ISO 10497
Fire Safe ANSI/API 607 - API6FA
Antistatic Device
-60°C to +250°C depending on seal
PN500 bar depending on seal
Tests API 6D API 598
3.1 Certificate

On request:

Reduced Bore
Special O-Rings
Special Seats
Metal to Metal up to 400°C
Special Threads
Special Materials
Locking Device
ISO 5211 Holes
Actuators
Limit switch

Pressure - Temperature - DN - RATING FOR S20 SERIES

Flow Coefficient

DN	POM PEEK Pa612	-30°C +100°C -50°C +250°C -45°C +145°C	PTFE RPTFE	-220°C +230°C -220°C +230°C	Flow Coefficient m3/h
6 - 1/4"	PN 500 Bar		PN 350 Bar		4.27
10 - 3/8"	PN 500 Bar		PN 350 Bar		6
13 - 1/2"	PN 500 Bar		PN 350 Bar		30.2
20 - 3/4"	PN 400 Bar		PN 175 Bar		53.7
25 - 1"	PN 350 Bar		PN 150 Bar		90.66
32-11/4"	PN 350 Bar		PN 100 Bar		176.5
40 -11/2"	PN 350 Bar		PN 100 Bar		245.2
50 - 2"	PN 350 Bar		PN 100 Bar		364.52
65-21/2"	PN 150 Bar		PN 100 Bar		645.4
80 - 3"	PN 100 Bar		PN 100 Bar		889.5
100 - 4"	PN 50 Bar		PN 50 Bar		NR

ASIENTOS / SEATS

POM	-30° a +100°
PTFE	-200° a +230°
PEEK	-50° a +250°
RPTFE	-220° a +230°

JUNTAS / O-RINGS

NBR	-35° a +100°
VITON / FKM	-25° a +200°
EPDM	-50° a +150°
FFKM	-30° a +400°

How to order

S20		G 1/2				DN13 316L 316L POM Extras								
Type and way of valve	GAS DIN/ISO 228 BSP	NPT ANSI/ASME B1.20.1	SW	SW EXTRALONG	PE Nipple L=100mm	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	Nominal dimension	Body and adapter material	Stem and ball material	Ball seat material	Adapter and stem seal material	Options
S20	G 1/4	N 1/4	SW 1/4	SWXT 1/4	PE 1/4	SAE4	8S	6L	DN6	316L 1,4404	316L 1,4404	POM	NBR	Fixing Holes
S20sq	G 3/8	N 3/8	SW 3/8	SWXT 3/8	PE 3/8	SAE6	10S	8L	DN10			PEEK		FKM
S10	G 1/2	N 1/2	SW 1/2	SWXT 1/2	PE 1/2	SAE8	12S	10L	DN13	A105 1,0570	316L 1,4404	PA612	EPDM	DA Pneumatic Actuator
	G 3/4	N 3/4	SW 3/4	SWXT 3/4	PE 3/4	SAE12	14S	12L	DN20	1,0737	1,0737	RPTFE	MVO	SR Pneumatic Actuator
	G 1	N 1	SW 1	SWXT 1	PE 1	SAE16	16S	15L	DN25	Duplex Super Duplex 904 L	Duplex Super Duplex 904 L	PTFE		Limit Switch
	G 1 1/4	N 1 1/4	SW 1 1/4	SWXT 1 1/4	PE 1 1/4	SAE20R	20S	18L	DN32					Alloy 20
	G 1 1/2	N 1 1/2	SW 1 1/2	SWXT 1 1/2	PE 1 1/2	SAE24R	25S	22L	DN40	Brass	Brass			
	G 2	N 2	SW 2	SWXT 2	PE 2		30S	28L	DN50					
	G 2 1/2	N 2 1/2	SW 2 1/2				38S	35L	DN65					
	G 3	N 3	SW 3					42L	DN80					
	G 4	N 4	SW 4						DN100					

VÁLVULAS SERIE 20 / VALVES SERIE 20 / VÁLVULES SERIE 20

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S20 RD

VÁLVULA BOLA PASO COMPLETO S20RD / S20RD BALL VALVE FULL BORE

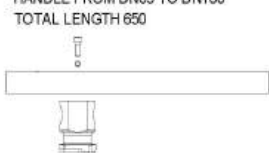
HANDLE FROM DN6 TO DN13



HANDLE FROM DN32 TO DN50



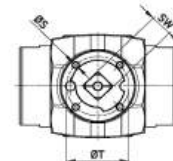
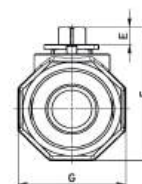
HANDLE FROM DN65 TO DN100
TOTAL LENGTH 650



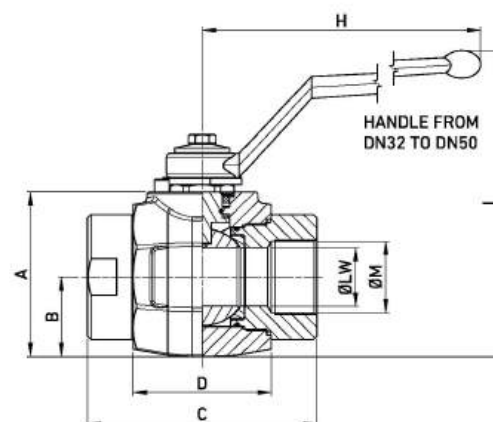
FIRE SAFE



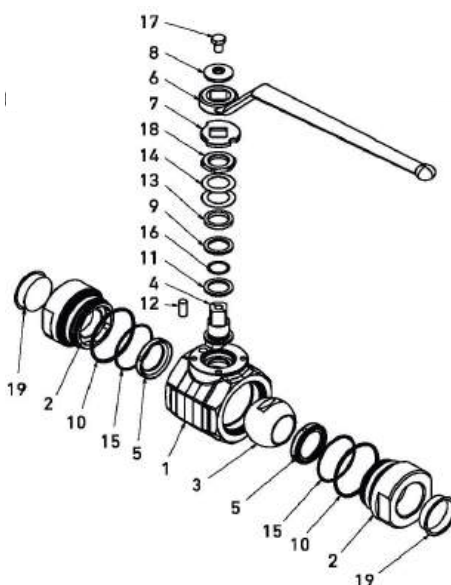
ANTISTATIC



TYPE	DN	PN	PN/PTFE/RPTFE	C	D	E	F	Polygon	H	I	L	CH	SW	ØLW	ISO5211	KG
S20rd 1/4	6	500	140	72	44	9,4	65	45	107	109	15,5	32	9	6	F03	0,869
S20rd 3/8	10	500	140	73	44	9,4	65	45	107	109	15,5	32	9	10	F03	0,844
S20rd 1/2	13	500	140	81	48	9,4	70	49	107	113	17	38	9	13	F03	1,151
S20rd 3/4	20	420	140	98	62	13,4	88	61	200	122	21	48	14	20	F05	2,109
S20rd 1	25	420	140	106	66	13,4	98	73	200	123	23	55	14	25	F05	2,872
S20rd 1 1/4	32	420	100	126	83	14,5	112	86	310	166	25	65	17	32	F05	4,557
S20rd 1 1/2	40	420	100	135	89	14	129	106	310	184	25,4	80	17	40	F05	6,482
S20rd 2	50	420	100	160	101	13,5	138	118	310	194	27	90	17	50	F05	7,966
S20rd 2 1/2	65	150	100	174	105	23,5	176,5	150	600	226	32	110	19	65	-	17,506
S20rd 3	80	100	100	191,5	114	23,5	191	167	600	241	32	125	19	90	-	22,896
S20rd 4	100	50	50	230	148	31	231,5	200	600	278,5	40	150	24	100	-	36,999



Pos	Description	Carbon Steel	Stainless Steel	Alloys or Duplex
1	Body	1,0570	1,4404	Alloy
2	Adapter	1,0570	1,4404	Alloy
3	Ball	1,4404	1,4404	Alloy
4	Stem	1,4404	1,4404	Alloy
5	Ball Seat	POM	POM	PTFE
6	Handle	1,0116	1,0116	304
7	Washer	1,4301	1,4301	316
8	Washer	1,4301	1,4301	NA
9	Body ring	GRAPHITE	GRAPHITE	GRAPHITE
10	Adapter ring	GRAPHITE	GRAPHITE	GRAPHITE
11	Stem ring	PTFE	PTFE	PTFE
12	Spine	1,4301	1,4301	304
13	Press ring	1,4301	1,4301	Alloy
14	Spring	1,4301	1,4301	Alloy
15	Adapter o-ring	NBR	FKM	FKM
16	Stem o-ring	NBR	FKM	FKM
17	Screw	DIN6921 A2	DIN6921 A2	DIN6921 A2
18	Nut	1,4301	1,4301	316
19	Caps	PVC	PVC	PVC



OPTIONAL

- On request
- Special threads
- Fittings adaptes
- ISO ACTUATORS 5211 HOLES
- Locking device

FEATURES S20RD

- Carbon Steel or Aisi stainless steel
- Steel Ball valves 2 way
- Material 1.0570 / 1.4404
- Sizes: From DN6 up to DN100
- Ends: BSPP (ISO 228/1), NPT (ASME B1.20.1), SAE J1926, J514 (SW and BW on request)
- DIN 2353 Single ferrule Fitting / Twin Ferrule Fitting
- O-rings: Standard NBR, Optional FKM, EPDM, PTFE, Metal Seals (PCTFE, PEEK or PFA) Optional
- Temperature Range: From -40°C up to +250°C for Seals & materials -40°C to 250°C
- ATEX CERTIFIED
- Fire Safe API 607 / API 6FA
- Fugitive Emission Design
- SIL 2 Capable

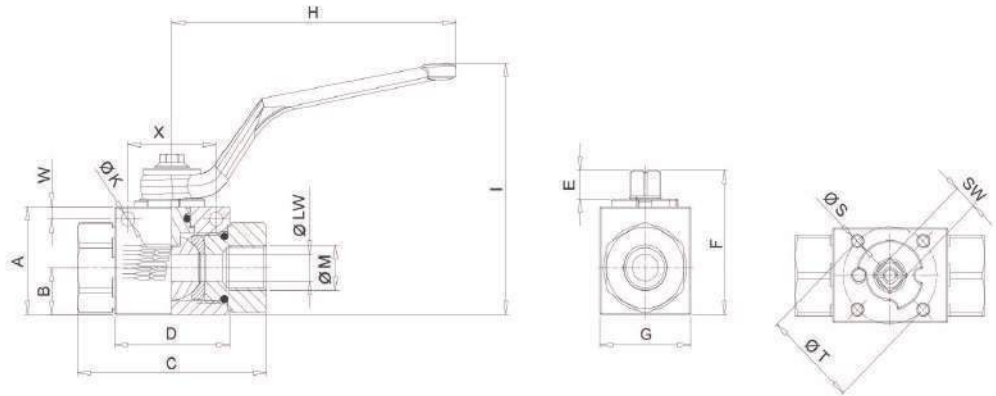


VÁLVULAS SERIE 20 / VALVES SERIE 20 / VÁLVULES SERIE 20

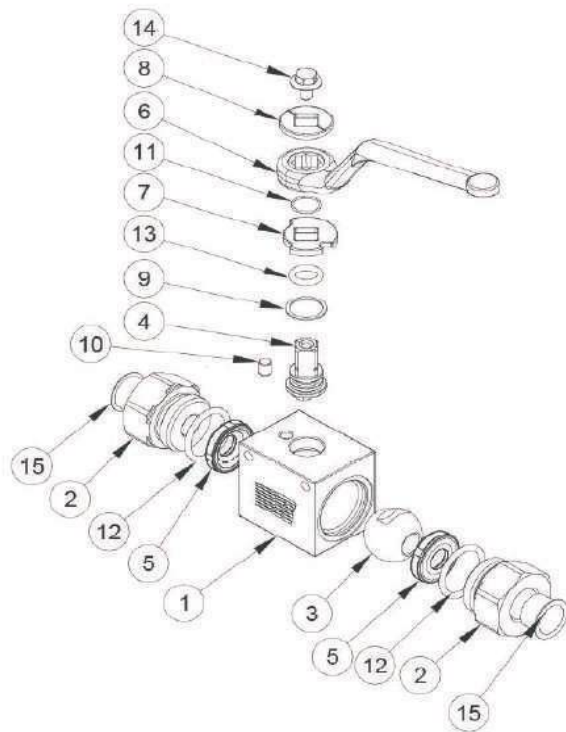
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S20 SQ

VÁLVULA 2 VIAS PASO TOTAL ACERO CARBONO / 2 WAY BALL VALVE FULL BORE CARBON STEEL VALVE



TYPE	DN	PN	A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ØK	W*	X*	ISO5211	SW	ØLW	WEIGHT (kg)	CODE
S20SQ FF 1/4 G	6	500	35	14,5	71	42,4	11	49	30	110	87	BSP/NPT/SW	M4	35	5,25	4,5	34	F03	9	6	0,49	S20sq. 02 BP/NP/SW
S20SQ FF 3/8	10	500	40	17,4	73	44,4	11	54,52	35	110	93	BSP/NPT/SW	M5	36	5,25	4,5	34	F03	9	10	0,644	S20sq. 03 BP/NP/SW
S20SQ FF 1/2	13	500	43	19,7	83	48,4	11	57	37	110	97	BSP/NPT/SW	M5	36	5,25	5	36	F03	9	13	0,757	S20sq. 04 BP/NP/SW
S20SQ FF 3/4	20	420	57	25,4	95	62,5	14	75,5	49	180	105	BSP/NPT/SW	M6	50	6,25	6	50	F05	14	20	1,438	S20sq. 05 BP/NP/SW
S20SQ FF 1	25	420	65	29,5	112	66,5	14	83,5	55	180	113	BSP/NPT/SW	M6	50	6,25	6	50	F05	14	25	2,223	S20sq. 06 BP/NP/SW
S20SQ FF 1 1/4 R REDUCED BORE	25	350	65	29,5	120	66,5	14	83,5	55	180	113	BSP/NPT/SW	M6	50	6,25	6	50	F05	14	25	2,273	S20sq. 07rb BP/NP/SW
S20SQ FF 1 1/2 R REDUCED BORE	25	350	65	29,5	124	66,5	14	83,5	55	180	113	BSP/NPT/SW	M6	50	6,25	6	50	F05	14	25	2,386	S20sq. 08rb BP/NP/SW



OPTIONAL

- On request
- Special threads
- ISO ACTUATORS 5211 HOLES
- Pneumatic and electrical actuator
- Locking device

STANDARD MATERIAL

Description	Material	
	Carbon steel	Stainless steel
1- Cuerpo / Body	1,0737	1,4404
2- Adaptador / Adapter	1,0737	1,4404
3- Bola / Ball	1,0737	1,4404
4- Vástago / Stem	1,0737	1,4404
5- Asiento / Ball Seat	Poliacetal (POM)	Poliacetal (POM)
6- Maneta / Handle	ZINC	ZINC
7- Arandela / Washer	1,0116	1,4301
8- Arandela / Washer	1,0116	1,4301
9- Junta / Stem ring	POM	POM
10- Pin	1,0737	1,4301
11- Seeger	1,4301	1,4301
12- Junta / Adapter Oring	NBR	NBR
13- Junta tórica / Stem o-ring	NBR	NBR
14- Tornillos / Screw	DIN 6921 8.8	DIN 6921 A2
15- Caps	PVC	PVC

FEATURES S20

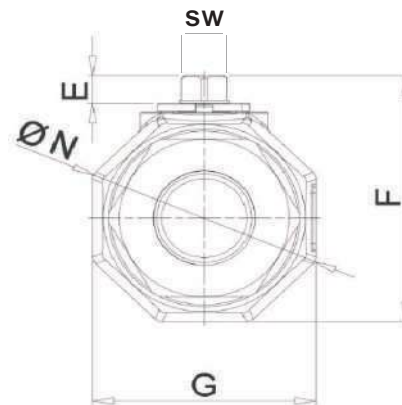
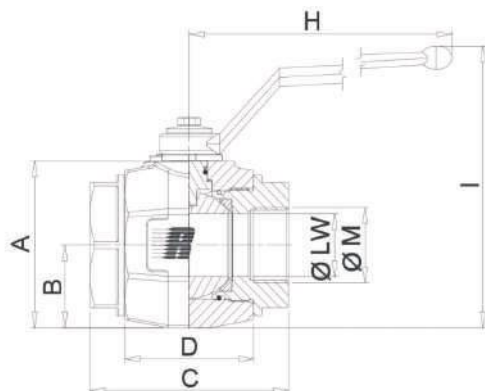
- Carbon Steel or Aisi stainless steel
- Type: ball valve 2 way
- Material: 1,0570 or 1.4404
- Sizes: from DN6 up to DN25
- Ends: BSPP (ISO 228) - NPT (ASME B1.20.1) - SAE J1926-1, SW (ANSI B16.11) or welded BW nipple ends; DIN 2353 Single Ferrule Fitting
- O-Rings: Standard: NBR, Optional: FKM, EPDM, MVQ
- Seats: POM (STANDARD); RPTFE, PEEK OR PA612 Optional
- Pressure: up to PN500
- Temp range: Depending on the seats: -30°C to +100°C (body -46°C)
- ATEX CERTIFIED
- CE PED & TRCU EAC

VÁLVULAS SERIE 20 / VALVES SERIE 20 / VÁLVULES SERIE 20

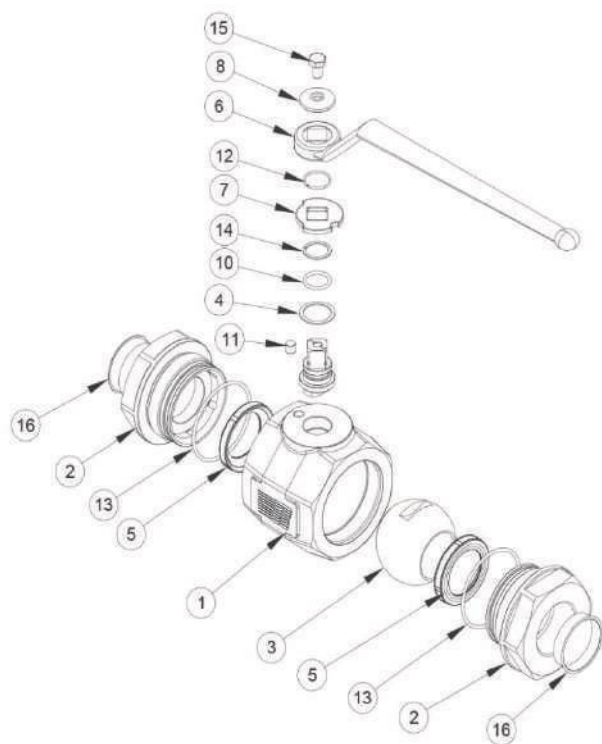
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S20 SQ FB

VÁLVULA 2 VIAS PASO TOTAL ACERO CARBONO / 2 WAY BALL VALVE FULL BORE CARBON STEEL VALVE



TYPE	DN	PN	A	B	C	D	E	F	ØN	H	I	ØM	G	ISO5211	SW	ØLW	WEIGHT	RED FLUID ITEM CODE
S20sq 1 1/4 FB	32	420	89	42,5	115	75	14	107,5	92	310	162,5	BSP/NPT/SW	85	F05	17	32	4.489 kg	S20sq.07 BP/NP/SW
S20sq 1 1/4 FB	40	420	106	52,5	131	82	14	124,5	113	310	179,5	BSP/NPT/SW	M5	F05	17	40	6.750 kg	S20sq.08 BP/NP/SW
S20sq 1 1/4 FB	50	420	115,5	58,5	140	97,85	14	134	126	310	189	BSP/NPT/SW	117	F05	17	50	8.708 kg	S20sq.09 BP/NP/SW



STANDARD MATERIAL

Description	Material	
	Carbon steel	Stainless steel
1- Cuerpo / Body	1,0570	1,4404
2- Adaptador / Adapter	1,0570	1,4404
3- Bola / Ball	1,0737	1,4404
4- Vástago / Stem	1,0737	1,4301
5- Asiento / Ball Seat	Poliacetal (POM)	Poliacetal (POM)
6- Maneta / Handle	1,0116	1,0116
7- Arandela / Washer	1,0116	1,4301
8- Arandela / Washer	1,0730	1,4301
9- Back-up	PTFE	PTFE
10- Steem ring	POM	POM
11- Pin	1,0737	1,4404
12- Seeger	1,4301	1,4301
13- Junta / Adapter Oring	NBR	NBR
14- Junta tórica / Stem o-ring	NBR	NBR
15- Tornillos / Screw	ISO 4017 8.8	ISO 4017 A2
16- Caps	PVC	PVC

OPTIONAL

- Special threads
- ISO ACTUATORS 5211 HOLES
- Pneumatic and electrical actuator
- Locking device

FEATURES DN32 TO DN50 FULL BORE

- Carbon Steel or Aisi stainless steel
- Type: forged ball valve 2 way
- Material: 1,0570 or 1.4404
- Sizes: from DN32 up to DN50
- Ends: BSPP (ISO 228) - NPT (ASME B1.20.1) - SAE J1926-1, SW (ANSI B16.11) or welded BW nipple ends
- O-Rings: Standard: NBR, Optional: FKM, EPDM, MVQ
- Seats: POM (STANDARD); RPTFE, PEEK OR PA612 Optional
- Pressure: up to PN420
- Temp range: Depending on the seats: -30°C to +100°C (body -46°C)
- ATEX CERTIFIED - CE PED - TRCU EAC
- FUGITIVE EMISSIONS DESIGN

VÁLVULAS SERIE 20 / VALVES SERIE 20/ VÁLVULES SERIE 20

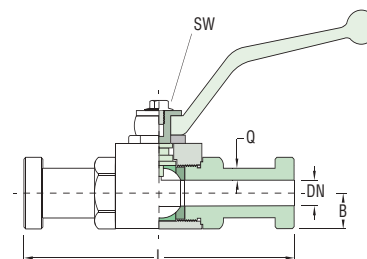
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S20 SAE J518

BRIDAS SAE J518 3000PSI o 6000PSI / FLANGED J518 BALL VALVES 3000PSI or 6000PSI CS & SS316

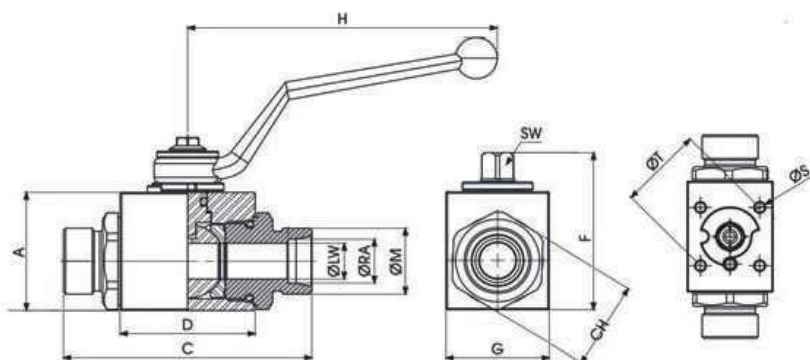
SAE J518 3000psi & 6000psi

Rosca	B	L	Q	DN	SW
1/2	18	151,5	3,94	13	9
3/4	23,4	162	3,94	20	14
1	29,5	178	3,94	25	14



S20 SQ DIN 2353

PARA RÁCORES DIN2353 DE UN ANILLO/ FOR DIN2353 SINGLE FERRULE FITTINGS



MATERIAL

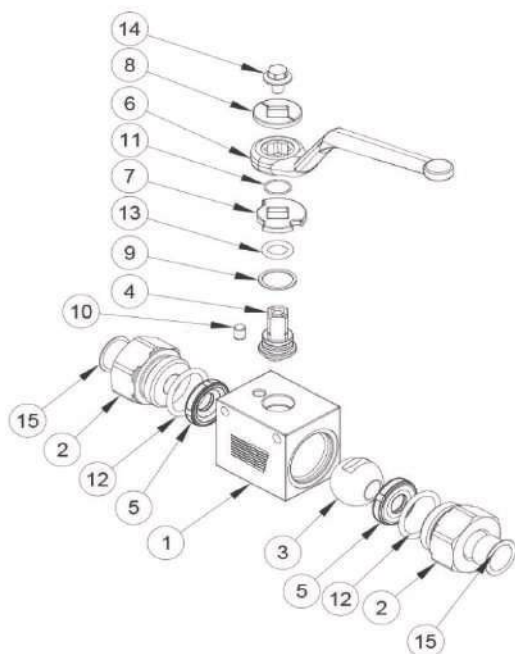
Description	Stainless Steel	Carbon steel
Cuerpo / Body	AISI 316L	9 SMn Pb 36
Bola / Ball	AISI 316L	9 SMn Pb 36
Eje / Stem	AISI 316L	9 SMn Pb 36
Conector/ Pipe fitting	AISI 316L	9 SMn Pb 36
Junta bola / Ball seal	Poliacetal (POM)	POM
Junta eje / Stem seal	Caucho nitrilo (NBR)	Caucho nitrilo (NBR)
Junta conect./ Pipe fit seal	Cacho nitrilo (NBR)	Caucho nitrilo (NBR)

REDFLUID S20SQ DIN 2353 HEAVY SERIES

REDFLUID S20SQ DIN 2353 LIGHT SERIES

Type	DN	A	C	D	F	G	H	M	PN (bar)	ISO 5211	Eje SW
8S	6	35	76	42,4	49,25	30	110	M16X1,5	500	F03	9
10S	6	35	76	42,4	49,25	30	110	M18X1,5	500	F03	9
12S	8	35	76	42,4	49,25	30	110	M20X1,5	500	F03	9
12S	10	40	76	44,4	54,25	35	110	M20X1,5	500	F03	9
14S	10	40	82,5	44,4	54,25	35	110	M22X1,5	500	F03	9
16S	13	43	89	48,4	57	37	110	M24X1,5	500	F03	9
20S	13	43	93	48,4	57	37	110	M30X2	500	F03	9
25S	20	57	111	62,5	75,5	49	180	M36X2	400	F05	14
30S	25	65	121	66,5	83,5	55	180	M42X2	350	F05	14
38S	25	65	131	66,5	83,5	55	180	M52X2	350	F05	14

Type	DN	A	C	D	F	G	H	M	PN (bar)	ISO 5211	Eje SW
6L	6	35	76	42,4	49	30	110	M12X1,5	500	F03	9
8L	6	35	76	42,4	49	30	110	M14X1,5	500	F03	9
10L	6	35	76	42,4	49	30	110	M16X1,5	500	F03	9
10L	10	40	76,5	44,4	54,25	35	110	M16X1,5	500	F03	9
12L	10	40	79,5	44,4	54,25	35	110	M18X1,5	500	F03	9
15L	13	43	87	48,4	57	37	110	M22X1,5	500	F03	9
18L	13	43	87	48,4	57	37	110	M26X1,5	500	F03	9
22L	20	57	110	62,5	75,5	49	180	M30X2	400	F05	14
28L	25	65	117	66,5	83,5	55	180	M36X2	350	F05	14
35L	25	65	119	66,5	83,5	55	180	M45X2	350	F05	14
42L	25	65	119	66,5	83,5	55	180	M52X2	350	F05	14



STANDARD MATERIAL

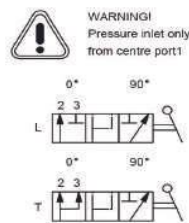
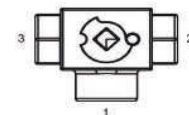
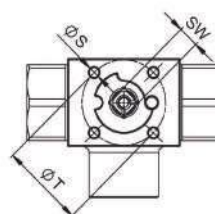
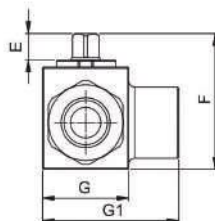
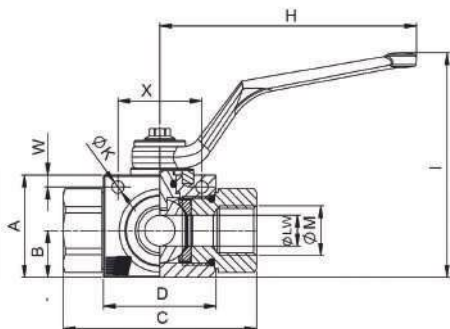
Description	Material	
	Carbon steel	Stainless steel
1- Cuerpo / Body	1,0737	1,4404
2- Adaptador / Adapter	1,0737	1,4404
3- Bola / Ball	1,0737	1,4404
4- Vástago / Stem	1,0737	1,4404
5- Asiento / Ball Seat	Poliacetal (POM)	Poliacetal (POM)
6- Maneta / Handle	ZINC	ZINC
7- Arandela / Washer	1,0116	1,4301
8- Arandela / Washer	1,0116	1,4301
9- Junta / Stem ring	POM	POM
10- Pin	1,0737	1,4301
11- Seeger	1,4301	1,4301
12- Junta / Adapter Oring	NBR	NBR
13- Junta tórica / Stem o-ring	NBR	NBR
14- Tornillos / Screw	DIN 6921 8.8	DIN 6921 A2
15- Caps	PVC	PVC

VÁLVULAS SERIE 20 / VALVES SERIE 20/ VÁLVULES SERIE 20

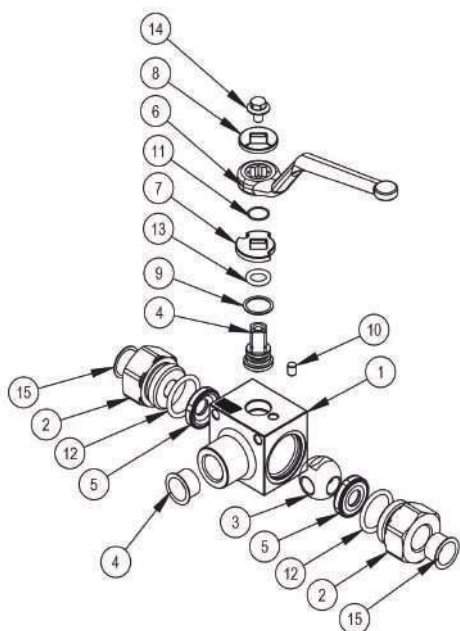
VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S20-3V

VALVULAS DE BOLA S20 3 VIAS / 3 WAY BALL VALVES S20



TYPE	DN	PN	A	B	C	D	E	F	G	G1	H	I	ØM	ØS	ØT	ØK	W*	X*	ISO5211	SW	ØLW	WEIGHT	REDFLUID CODE
1/4	6	500	35	14,5	71	42,4	11	49	30	48,5	110	87	BSP NPT SW	M4	35	5,25	4,5	34	F03	9	6	0,536	S20.L/T.02. BP/NP/SW
3/8	10	500	40	17,4	73	44,4	11	54,25	35	54,5	110	93	BSP NPT SW	M5	36	5,25	4,5	34	F03	9	10	0,695	S20.L/T.03. BP/NP/SW
1/2	13	500	43	19,7	83	48,4	11	57	37	85,5	110	97	BSP NPT SW	M5	36	5,25	5	36	F03	9	13	0,825	S20.L/T.04. BP/NP/SW
3/4	20	420	57	25,4	95	62,5	14	75,5	49	75	180	105	BSP NPT SW	M6	50	6,25	6	50	F05	14	20	1,583	S20.L/T.05. BP/NP/SW
1	25	420	65	29,5	112	66,5	14	83,5	55	89	180	113	BSP NPT SW	M6	50	6,25	6	50	F05	14	25	2,421	S20.L/T.06. BP/NP/SW
1 1/4 REDUCED BORE	25	350	65	29,5	120	66,5	14	83,5	55	89	180	113	BSP NPT SW	M6	50	6,25	6	50	F05	14	25	2,601	S20.L/T.07. BP/NP/SW
1 1/2 REDUCED BORE	25	350	65	29,5	124	66,5	14	83,5	55	89	180	113	BSP NPT SW	M6	50	6,25	6	50	F05	14	25	2,756	S20.L/T.08. BP/NP/SW



POS	Description	Carbon steel	Stainless steel
1	Body	1,0737	1,4404
2	Adapter	1,0737	1,4404
3	Ball	1,0737	1,4404
4	Stem	1,0737	1,4404
5	Ball seat	POM	POM
6	Handle	ZINC	ZINC
7	Washer	1,0116	1,4301
8	Washer	1,0116	1,4301
9	Stem ring	POM	POM
10	Pin	1,0737	1,4301
11	Seeger	1,4301	1,4301
12	Adapter o-ring	NBR	NBR
13	Stem o-ring	NBR	NBR
14	Screw	Din 6921 8.8	Din 6921 A2
15	Caps	PVC	PVC

FEATURES S20 3 WAYS

- Carbon Steel or Aisi stainless steel
- Type: Ball valve 3 ways
- Material: 1.0570 or 1.4404
- Sizes: from DN6 up to DN25
- Ends: BSPP (ISO 228) - NPT (ASME B1.20.1) - SAE J1926-1, SW (ANSI B16.11) or welded BW nipple ends, DIN 2353 Fittings
- O-Rings: Standard: NBR, Optional: FKM, EPDM, MVQ. Seats: POM (STANDARD); RPTFE, PEEK OR PA612
- Pressure: up to PN500
- Temp range: Depending on the seats: -30°C to +100°C
- ATEX CERTIFIED - CE PED - TRCU EAC
- FUGITIVE EMISSIONS DESIGN

OPTIONAL

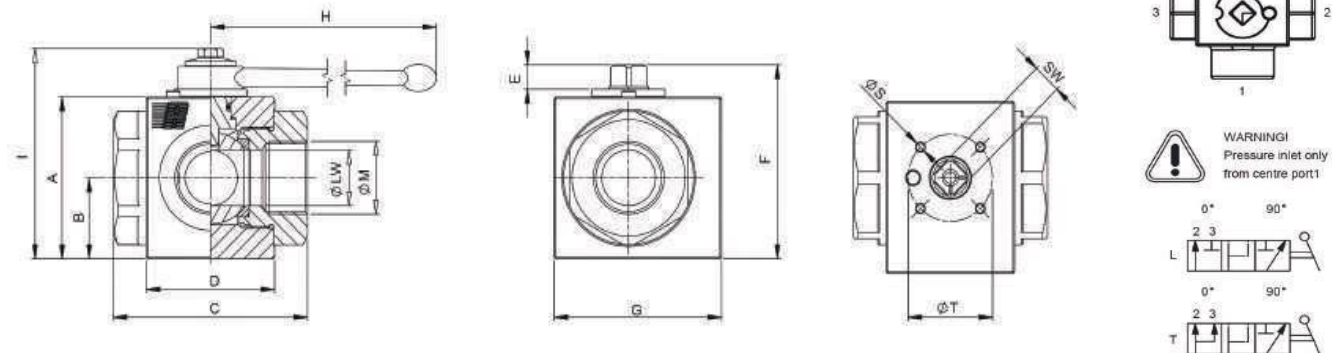
- Special threads
- ISO ACTUATORS 5211 HOLES
- Pneumatic and electrical actuator
- Locking device

VÁLVULAS SERIE 20 / VALVES SERIE 20/ VÀLVULES SERIE 20

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÀLVULES I ACCESSORIS

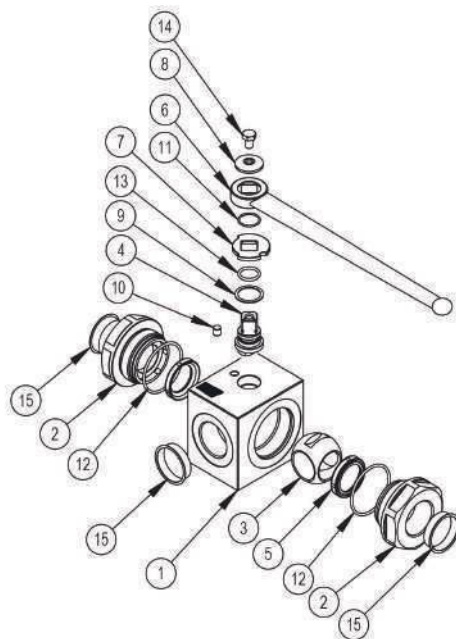
S20-3V-FB

VÁLVULA BOLA 3 VIAS DN32-DN50 / DN32-DN50 3 WAY BALL VALVES



3 VIAS / 3 WAY

Type	DN	PN	A	B	C	D	E	F	G	H	SW	ISO5211
1 1/4	32	350	93	46,5	115	75	13,5	111,5	99	300	17	F05
1 1/2	40	350	107	53,5	131	85	13,5	125,5	115	300	17	F05
2	50	350	114	57	140	98	13,5	132,5	128	300	17	F05



MATERIALS FOR 3 WAY

Description	Stainless Steel	Carbon steel
Cuerpo / Body	AISI 316L	9 SMn Pb 36
Bola / Ball	AISI 316L	9 SMn Pb 36
Eje / Stem	AISI 316L	9 SMn Pb 36
Conector/ Pipe fitting	AISI 316L	9 SMn Pb 36
Junta bola / Ball seal	Poliacetal (POM)	POM
Junta eje / Stem seal	Caucho nitrilo (NBR)	Caucho nitrilo (NBR)
Junta conect./ Pipe fit seal	Cacho nitrilo (NBR)	Caucho nitrilo (NBR)

OPTIONAL

- Special threads
- ISO ACTUATORS 5211 HOLES
- Pneumatic and electrical actuator
- Locking device

FEATURES S20 3 WAYS

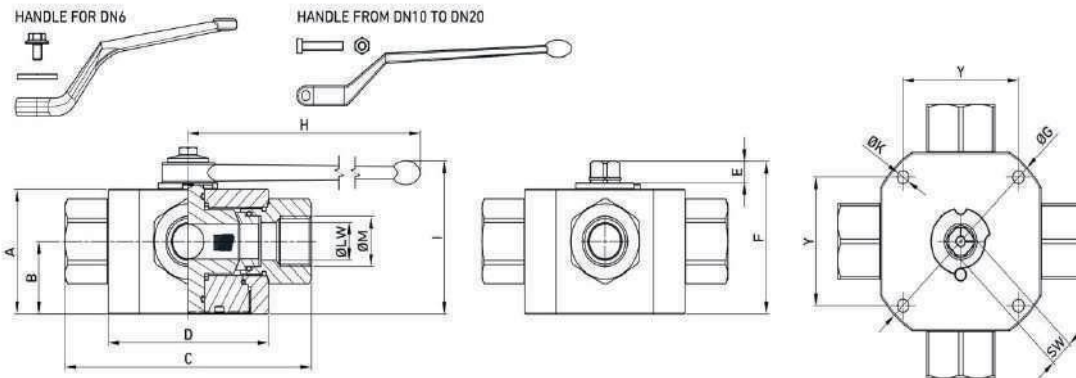
- Carbon Steel or Aisi stainless steel
- Type: Ball valve 3 ways
- Material: 1.0570 or 1.4404
- Sizes: from DN6 up to DN25
- Ends: BSPP (ISO 228) - NPT (ASME B1.20.1) - SAE J1926-1, SW (ANSI B16.11) or welded BW nipple ends, DIN 2353 Fittings
- O-Rings: Standard: NBR, Optional: FKM, EPDM, MVQ. Seats: POM (STANDARD); Optional: RPTFE, PEEK OR PA612
- Pressure: up to PN500
- Temp range: Depending on the seats: -30°C to +100°C
- ATEX CERTIFIED - CE PED - TRCU EAC
- FUGITIVE EMISSIONS DESIGN

VÁLVULAS SERIE 20 / VALVES SERIE 20/ VÁLVULES SERIE 20

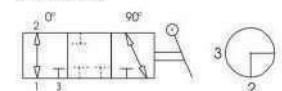
VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S20-4V

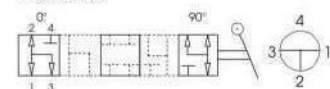
CONFIGURACION VALVULA BOLA 4 VIAS / 4 WAY BALL VALVE CONFIGURATIONS - NPT/BSP/SW



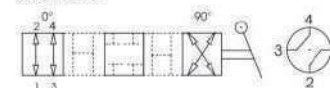
L scheme



T scheme



X scheme



DN	PN (MPa)	A	B	C	D	E	F	ØG	H	I	ØK	ØM	Y	SW	ØLW	WEIGHT (kg)
6	50	42	21,5	100	70	11	56,5	-	110	97,5	6,5	G1/4	55	9	6	1,767
10	50	53	28,5	115	80	14	71,5	-	180	101	6,5	G3/8	65	14	10	3,018
13	40	62	33	136	100	14	80,5	-	180	110	8,5	G1/2	80	14	13	5,247
20	35	68	36	156	113	14	86,5	-	300	116,5	8,5	G3/4	85	14	20	6,898
25	35	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G1	85	14	25	9,005
25	35	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G1 1/4	85	14	25	8,989
25	35	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G1 1/2	85	14	25	9,213

POS	DESCRIPTION	MATERIAL
1	Body	1,0737
2	Adapter	1,0737
3	Stemball adapter	1,0737
4	Ball seat	POM
5	Ball stem	1,0737
6	Handle	ZINC
7	Washer	1,0116
8	Washer	1,0116
9	Stemball ring	PTFE
10	Pin	1,0737
11	Body ring	PTFE
12	Seeger	1,4301
13	Stemball o-ring	NBR
14	Body o-ring	NBR
15	Adapter o-ring	NBR
16	Seal o-ring	NBR
17	Screw	DIN 6921 8.8
18	Caps	PVC

ASIENTOS / SEATS

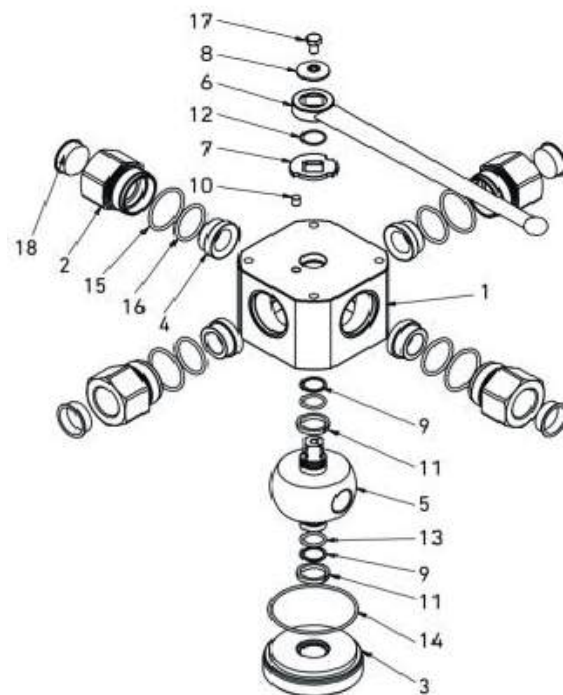
POM	-30° a +100°
PTFE	-200° a +230°
PEEK	-50° a +250°
RPTFE	-220° a +230°

JUNTAS / O-RINGS

NBR	-35° a +100°
VITON / FKM	-25° a +200°
EPDM	-50° a +150°
FFKM	-30° a +400°

FEATURES S20 4 WAYS

- Carbon Steel
- Type: Ball valve 4 ways
- Material: 1,0737
- Sizes: from DN6 up to DN25
- Ends: BSPP (ISO 228) - NPT (ASME B1.20.1) - SAE J1926-1, SW (ANSI B16.11) or welded BW nipple ends, DIN 2353 Fittings
- O-Rings: Standard: NBR, Optional: FKM, EPDM, MVQ.
- Seats: POM (STANDARD); Optional: RPTFE, PEEK OR PA612
- Pressure: up to PN500
- Temp range: Depending on the seats: -30°C to +100°C
- ATEX CERTIFIED - CE PED - TRCU EAC



OPTIONAL

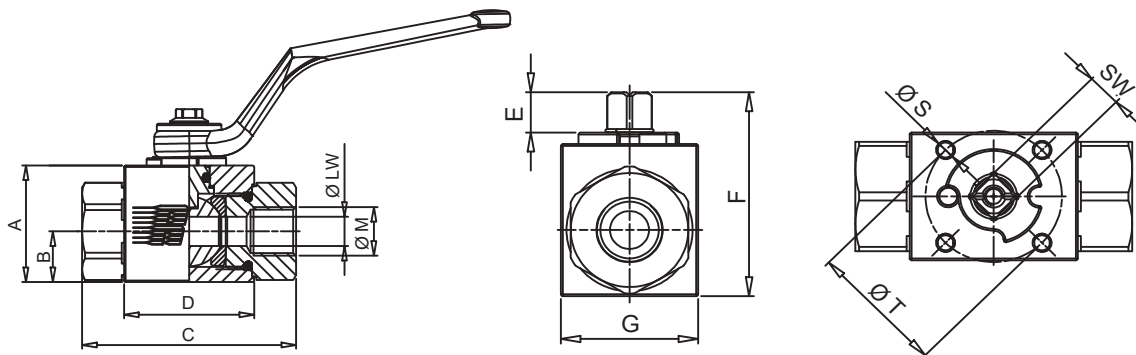
- Special threads
- ISO ACTUATORS 5211 HOLES
- Pneumatic and electrical actuator
- Locking device
- Other patterns on request

VÁLVULAS SERIE 20 / VALVES SERIE 20/ VÁLVULES SERIE 20

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S20-EE

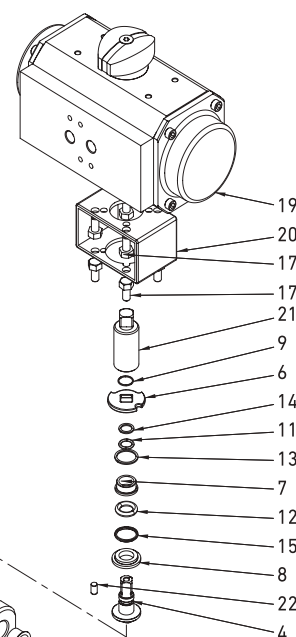
VÁLVULA DE BOLA DE RESISTENCIA EXTREMA / BALL VALVE EXTREME ENDURANCE



**EXTREME
ENDURANCE**

REDFLUID BALL VALVE EXTREME ENDURANCE

DN	PN	A	B	C	D	E	F	G	ØM	ØS	ISO5211	SW	ØLW	WEIGHT
6	420	57	24	73	45	11	71.3	49	BSP NPT SW	M6	F05	9	10	0,6
10	420	57	24	73	45	11	71.3	49	BSP NPT SW	M6	F05	9	10	0,8
13	420	57	24	80	48	11	71.3	49	BSP NPT SW	M6	F05	9	13	1,5
20	420	65	27	98	62	14	83.7	55	BSP NPT SW	M6	F05	14	20	1,8
25	420	75	33	105	65	14	93.6	65	BSP NPT SW	M6	F05	14	25	2,3
32	350	88	41	127	85	14	93.6	80	BSP NPT SW	M8	F05	14	25	2,6



POS	DESCRIPTION	MATERIAL	
		WATER	H2 SERVICE
1	Main Body	1,4404	1,4404
2	End Connector	1,4404	1,4404
3	Ball	1,4404	1,4404
4	Stem	17-4PH	XM-19 o 1,4404
5	Seat	Nylon	PEEK
6	Spacer	ZINC	ZINC
7	Upper Guide	POM	PEEK
8	Lower Guide	POM	PEEK
9	Retaining Ring	1.4404	1.4404
10	O-ring Connector	NBR	EPDM
11	Shaft O Ring	NBR	EPDM
12	Shaft O Ring	NBR	EPDM
13	Support Ring	PTFE	PTFE
14	Support Ring	PTFE	PTFE
15	X Seal	NBR	FKM
16	Gasket	GRAPHITE	EPDM
17	Bolts	8.8	8.8
18	Protection	PLASTIC	PLASTIC
19	Actuator	FESTO	FESTO

OPTIONAL

- On request
- Special threads
- Pneumatic and electrical actuator
- Locking device
- Fire safe

FEATURES S20SQ EXTREME ENDURANCE

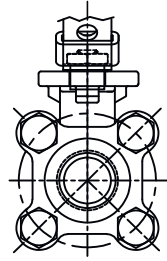
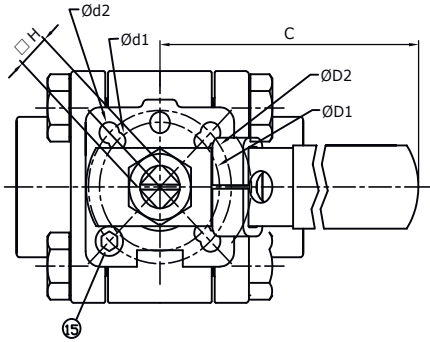
- Stainless steel 1.4404/316L
- Type: Ball valve 2 ways
- Material: Austenitic Stainless Steel NACE 1.4404
- Sizes: from DN6 up to DN25 and Reduced Bore 11/4 and 11/2.
- Ends: BSPP (ISO 228) - NPT (ASME B1.20.1), SW (ANSI B16.11)
- ISO ACTUATORS 5211 HOLES
- O-Rings: Standard: NBR, Hydrogen Service EPDM/FKM
- Seats: Standard Nylon. Hydrogen Service: PEEK
- Pressure: up to CL2500 PN420 bar.
- Temp range: Depending on the seats: -30°C to +100°C
- ATEX CERTIFIED - CE PED - TRCU EAC
- Fugitive emission

VÁLVULAS SERIE 20 / VALVES SERIE 20 / VÁLVULES SERIE 20

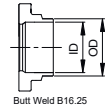
VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S10-H2

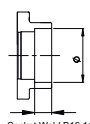
S10 SERVICIO DE HIDRÓGENO DE 3 PIEZAS / S10 3 PIECES HYDROGEN SERVICE



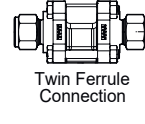
Optional Configuration:



Butt Weld B16.25



Socket Weld B16.11



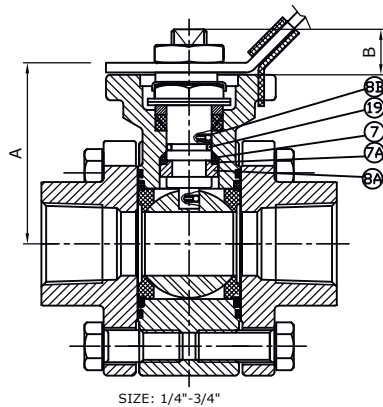
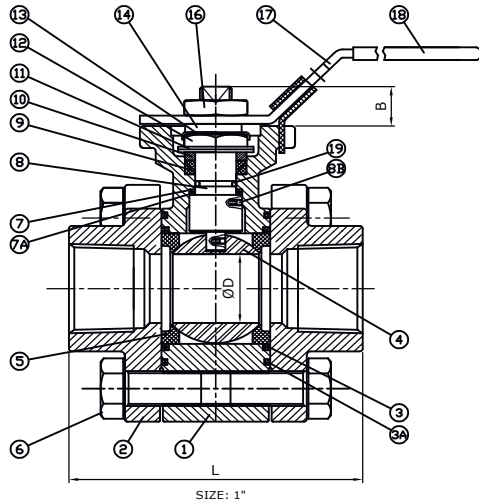
Twin Ferrule Connection

Torque N·m

SIZE	PN64	PN 110	PN 200
1/4", 3/8"	18	20	25
1/2"	18	20	25
3/4"	26	42	55
1"	37	47	59

H2 SERVICE

SIZE	A	B	C	D	D1	D2	d1	d2	H	L	ISO
1/4", 3/8"	46	9.5	160	11	36	42	6.0	7.0	9	66.5	F03/F04
1/2"	48	9.5	160	15	36	42	6.0	7.0	9	70	F03/F04
3/4"	53	12	190	20	-	50	-	7.2	11	92	F05
1"	59	12	190	25	-	50	-	7.2	11	105	F05



SIZE: 1/4"-3/4"

NO.	NAME OF PARTS	MATERIALS
1	BODY	CF3M (316L)
2	END CAP	CF3M (316L)
3	GASKET(BODY)(A)	PTFE
3A	GASKET(BODY)(B)	GRAPHITE
4	BALL	CF3M (316L)
5	BALL SEATS	PEEK
6	BOLTS	SS 304
7	THRUST WASHER	PEEK
7A	THRUST WASHER	PEEK
8	STEM	SS 316L
8A	HALF SPLIT RING	SS 316L
8B	ANT-STATIC	SS 316
9	STEM PACKING	GRAPHITE
10	GLAND WASHER	SS 304
11	DISK WASHER	SS 301
12	STEM NUT	SS 304
13	NUT STOP	SS 304
14	SPACE WASHER	SS 304
15	STOP PIN	SS 304
16	HANDLE NUT	SS 304
17	HANDLE	SS 304
18	HANDLE COVER	PLASTISOL
19	O-RING	FKM AED

OPTIONAL CONFIGURATION

- Minimum order Qty required
- Twin Ferrule Endings
- Long BW Welded Ends
- BW Ends B16.25
- Ball and / or stem in nitronic 50 or alloy 718
- Seats in Vespel
- Cleaning and degreased

INCLUDED TESTS

- 100% Pneumatic Shell Test 6 bar (air)
- 100% Pneumatic Seat Test 6 bar (air)
- 100% Hydrostatic Shell Test 1.5 × PN (water)
- 100% Hydrostatic Seat Test 1.1 × PN (water)
- LEAKAGE CLASS EN 12266-1: 0 bubble 2 min.
- ZERO LEAKAGE ISO 5208 | API 598 Rate A
- EN 10204 3.1 Certificate

OPTIONAL TESTS

- FAT 100% Hydrogen Pure 99,999 Tested at PN×1,1
- FAT 100% FET Production 5% H2 or He ISO15848-2 <50 ppmv
- Positive Material Identification Test, Cycle Test, Vacuum Test
- Tests carried out at Redfluid ISO 9001 Hydrogen Laboratory

FEATURES S10 H2

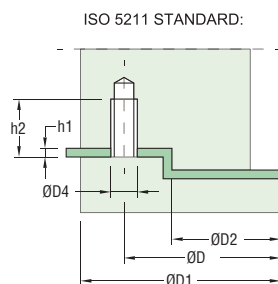
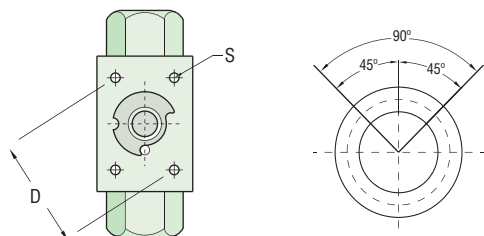
- Materials according ISO/TR 15916-2015 Considerations for the safety of H2 systems
- H2 Service with: Peek Seat/Thrust washer, Graphite Gasket/Stem Packing & FKM AED oring
- NOROSK H2 FKM 90 Oring PLT/ED LT -41°C / +220°C (Very Short time +250°C)
- Clean Fire Safe w/ Double Packing that maintains H2 purity
- Valve construct and end thickness meet ANSI B16.34
- Design pressure as per CF3M 3600psi PN248 CF3M ASME B16.34
- Body & End Cap are investment cast NACE MR 0175
- Self adjusting Belleville stem packing
- Blow-Out proof stem design
- 100% Air Tested under water at 80-100 psi
- Design Pressure 3600 PSig (max) - PN 248 bar
- ISO 5211 Direct Mounting Pad for actuator
- End Cap Possibilities: NPT, BSP, SW, BW
- Fire Safe Certificate API607
- Fugitive Emission ISO 15848-2006 BH RT CO3
- Locking Device
- ATEX 2014/34/EU
- SIL 2 IEC 61508 PARTS 1-2 AND 4-7:2010
- CE EC PED 2014/68/EU
- Anti-Static Device
- Pressure release Hole & Belleville Washer
- Full bore
- Silicone Free Grease



VÁLVULAS SERIE 20 / VALVES SERIE 20 / VÁLVULES SERIE 20

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES / VÁLVULES I ACCESSORIS

AGUJEROS ISO 5211 PARA VÁLVULAS S20 ACTUADAS / DIN - ISO 5211 HOLES FOR S20 ACTUATED VALVES



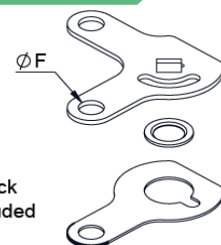
DN	TORQUE MOMENT			
	Test at 0 hours		Test after 48 hours	
	N/M at 100 BAR	N/M at 420 BAR	N/M at 100 BAR	N/M at 420 BAR
DN6	7.5	9	15	16
DN10	8	10	15	18
DN13	10	14	18	25
DN20	14	25	25	45
DN25	22	39	40	72
DN32	25	50	45	90
DN40	35	90	65	160
DN50	60	138	110	250
DN65	98	190	180	350
DN80	150	330	270	590
DN100	280	430	500	770

ISO 5211 DIMENSIONS						
Type	D1	D2	D	D4	H1	H2
F03	46	25	36*	M5	3	8
F04	54	30	42	M5	3	8
F05	65	35	50	M6	3	9
F07	90	55	70	M8	3	12

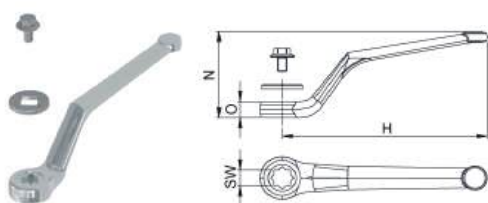
*For DN 1/8 and 1/4, D=35 mm

ACCESORIOS / ACCESSORIES

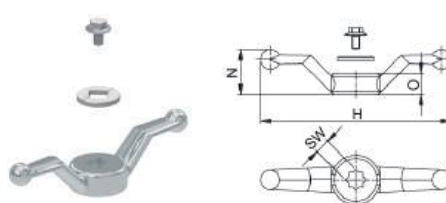
DISPOSITIVO DE BLOQUEO / LOCKING DEVICE



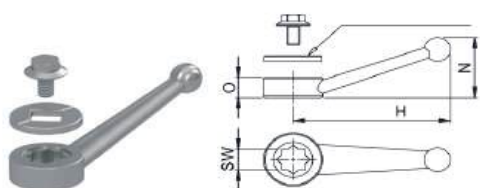
MANETAS DOBLADAS / BENT HANDLES



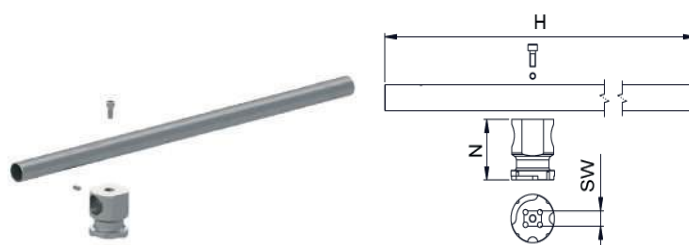
MANETAS MARIPOSA / BUTTERFLY HANDLES



MANETAS CORTAS / SHORT HANDLES

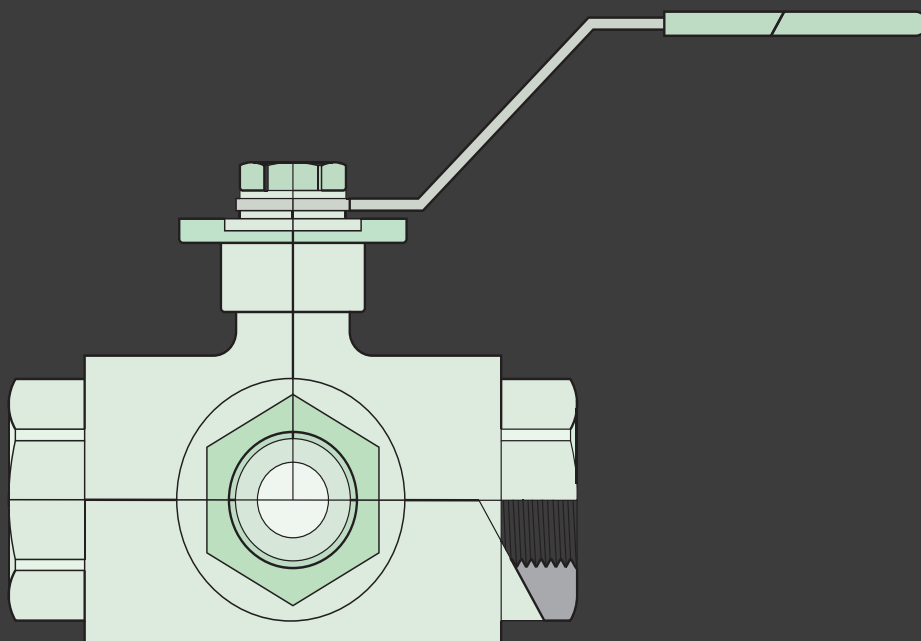


MANETAS DE TUBO / PIPE HANDLES



VÁLVULAS DE BOLA SERIE 10

SERIE 10 BALL VALVES

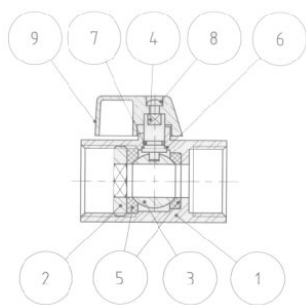


 **RED FLUID**

VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

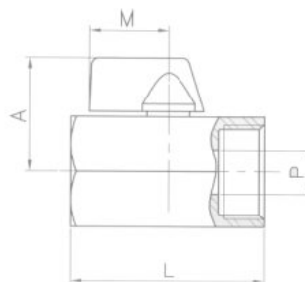
VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S10-PAL



1. Válvula de bola monobloqueo.
2. Extremos roscados H-H según ISO 7-1 (EN 10226-1).
3. Paso reducido.
4. Construcción en acero Inox. 1.4408 (CF8M).
5. Pulido exterior.
6. Maneta de Aluminio pintado.
7. Presión de trabajo máxima 63 bar.
8. Temperatura de trabajo -25 °C + 180 °C.

MANETA PALOMILLA / BUTTERFLY HANDLE



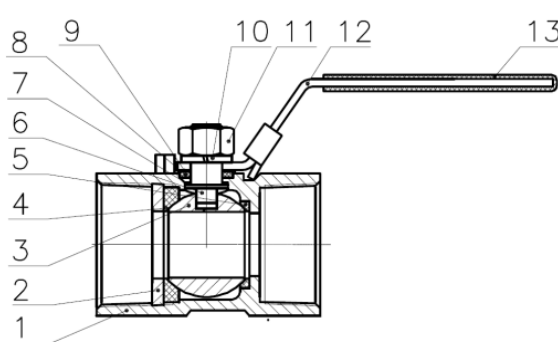
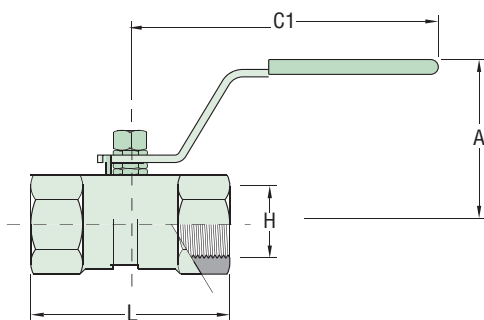
1. Monoblock ball valve.
2. Thread ends F-F according to ISO 7-1 (EN 10226-1).
3. Reduced bore.
4. Made of stainless steel 1.4408 (CF8M).
5. External polish.
6. Painted Aluminium handle.
7. Max. Working pressure 63 bar.
8. Working Temperature -25 °C +180 °C.

Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox / Stainless steel 1.4408
2	Tapa / Cap	Acero Inox / Stainless steel 1.4408
3	Bola / Ball	Acero Inox / Stainless steel 1.4408
4	Eje / Stem	Acero Inox / Stainless steel AISI 304
5	Asiento / Ball seat	PTFE
6	Anillo fricción/ friction ring	PTFE
7	Tórica / O -Ring	FKM (Viton)
8	Tornillo / Screw	Acero Inox / Stainless steel AISI 304
9	Maneta / Handle	Aluminio / Aluminium

Dimensiones generales / General dimensions						
Medida / Size	PN	P	A	L	M	Kv
1/4	63	8	26	42	22	3,5
3/8	63	8	26	42	22	4
1/2	63	9	28	46	22	5
3/4	63	12.5	34	54	22	13
1	63	15	34	65	22	28

SERIES 10-R

PN63 MONOBLOQUE PASO REDUCIDO NPT Y BSP / REDUCED BORE NPT & BSP PN63



Dimensiones genrales / General dimensions					
H	A	L	C1	Kv	PN (bar)
1/4	32	39	60	3,5	63
3/8	36	44	80	4	63
1/2	42	56	87	5	63
3/4	45	59	87	13	63
1	50	69	105	28	63
1 1/4	54	77	105	40	63
1 1/2	70	81	125	78	63
2	78	97	140	109	63

Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox AISI 316/SS316
2	Tapa / Cap	Acero Inox AISI 316/SS316
3	Junta / Gasket	Teflón (PTFE)
4	Bola / Ball	Acero Inox AISI 316/SS316
5	Asiento / Ball seat	Teflón (PTFE)
6	Eje / Stem	Acero Inox AISI 316/SS316
7	Anillo fricción/ friction ring	Teflón (PTFE)
8	Anillo prensa / Stem packing	Teflón (PTFE)
9	Anillo prensa / Stem ring	Acero Inox AISI 304/SS304
10	Arandela / Washer	Acero Inox AISI 304/SS304
11	Tuerca / Nut	Acero Inox AISI 304/SS304
12	Maneta / Handle	Acero Inox AISI 304/SS304
13	Funda / Handle sleeve	PVC

Válvula esfera paso reducido 1 pieza
Const: AISI 316 Pulido. Asientos
PTFE+V Extremos:
Rosca Gas o NPT
PN-63 temp.-25°C +180°C.
Mando manual por palanca.

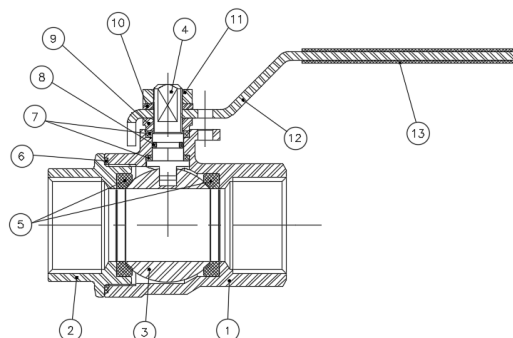
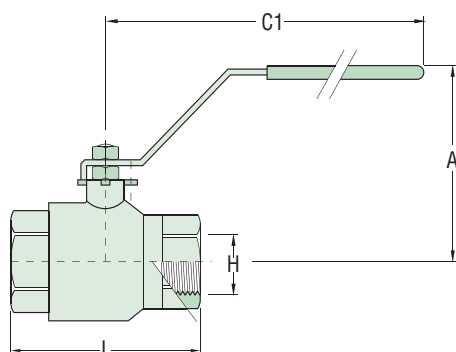
1pc reduced bore ball valve
Constr: polished AISI 316 SEATS
PTFE+GF.
Gas threaded or NPT
PN63 bar -25°C to +180°C
Manually poerated by handle.

VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

SERIES 10-2P

10 PN 63- PASO TOTAL NPT Y BSP / FULL BORE PN64 NPT & BSP



Dimensiones generales / General dimensions

H	A	L	C1	Kv	PN (bar)
1/4	50	50	104	6	63
3/8	50	50	104	10	63
1/2	51,5	55	104	24	63
3/4	62	70	122	43	63
1	65	83	122	83	63
1 1/4	82	91	180	130	63
1 1/2	88	103	180	205	63
2	106	120	219	340	63
2 1/2	119	152	230	520	63
3	135	172	275	1100	63

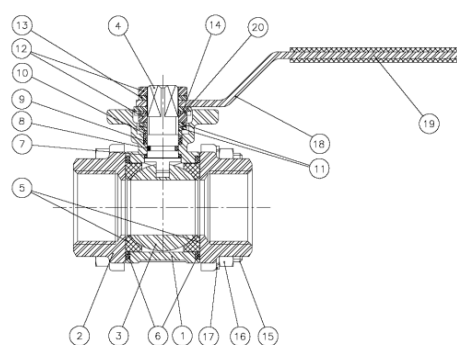
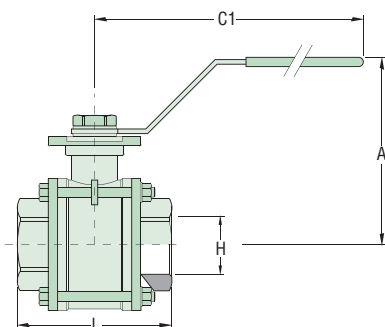
Denominación / name	Material
Cuerpo / Body	Acero Inox AISI 316/SS316
Tapa / Cap	Acero Inox AISI 316/SS316
Bola /Ball	Acero Inox AISI 316/SS316
Eje / Stem	Acero Inox AISI 316/SS316
Asiento / Ball seat	Teflón+15%FV/PTFE+15%GF
Junta / Gasket	Teflón (PTFE)
Arandela / Thrust Washer	Teflón (PTFE)
Tórica / O'ring	Viton
Anillo prensa / Stem ring	Acero Inox AISI 304/SS304
Arandela / Washer	Acero Inox AISI 304/SS304
Tuerca / Nut	Acero Inox AISI 304/SS304
Maneta / Handle	Acero Inox AISI 304/SS304
Funda / Handle sleeve	PVC

Válvula esfera paso total 2 piezas.
Rosca BSP, también disponible con rosca NPT .
Const. acero inox CF8M (316)
Juntas y asiento: PTFE+15%FV
Tórica eje vitón
PN 63 Temp:-25°C + 180°C.
Manual por planca con sitema de bloqueo.

2pc full bore ball valve
BSP thread, also available NPT.
Const. stainless steel. CF8M (316)
Seats and seals: PTFE + 15% GF
O'ring stem: viton
PN 63 temp. -25 °C +180 °C
Manually operated by handle with locking system

SERIES 10-3P

3 PIEZAS DESMONTABLE PN64 SS316 ISO5211 / 3 - PIECE BALL VALVE PN64 ISO 5211



Dimensiones generales / General dimensions

H	Orifice (mm)	A	C1	L	Kv	PN (bar)
1/4	11	60	112	47,6	6	63
3/8	12,7	60	112	47,6	10	63
1/2	15	60	112	56	23	63
3/4	20	70	138	73	43	63
1	25	70	138	82	83	63
1 1/4	32	88	160	91	130	63
1 1/2	40	94	205	104	205	63
2	50	100	205	120	340	63
2 1/2	65	150	330	155	520	63
3	80	165	330	182	1100	63
4	100	175	340	220	1820	63

Denominación / name	Material
Cuerpo / Body	Acero Inox AISI 316 / SS 316
Tapa / Cap	Acero Inox AISI 316 / SS 316
Bola /Ball	Acero Inox AISI 316 / SS 316
Eje /Stem	Acero Inox AISI 316 / SS 316
Asiento / Ball seat	Teflón+15%FV/PTFE+15%GF
Junta / Gasket	Teflón (PTFE)
Arandela / Trust Washer	Teflón+ Grafito/PTFE+graphite
Tórica / O'ring	Viton
Anillo prensa / Stem packing	PTFE
Anillo prensa / Stem ring	Acero Inox AISI 304 / SS 304
Arandela Belleville/ Bellville washer	Acero Inox AISI 301 / SS 301
Tuerca / Nut	Acero Inox AISI 304 / SS 304
Arandela / Washer	Acero Inox AISI 304 / SS 304
Tope / Stopper	Acero Inox AISI 304 / SS 304
Tornillo / Bolt	Acero Inox AISI 304 / SS 304
Tuerca / Nut	Acero Inox AISI 304 / SS 304

Válvula esfera paso total 3 piezas.
Rosca BSP, disponible con rosca NPT ,SW Y BW.
Const. acero inox CF8M (316) Microfusión.
Juntas y asiento: PTFE+15%FV tórica eje vitón
PN 63 Temp:-25°C + 180°C. Mando manual por planca con sitema de bloqueo
Preparada p/actuador ISO5211

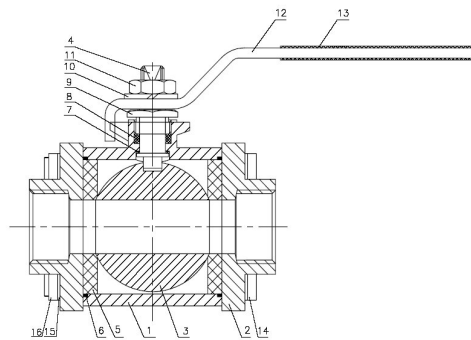
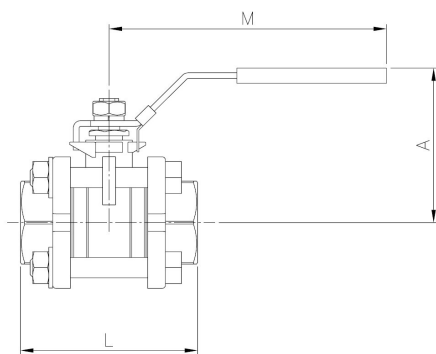
3 pc full bore ball valve.
BSP thread, available with NPT thread, SW and BW.
Const. stainless steel. CF8M (316)
investment casting. Seats and seals:
PTFE + 15% GF o'ring stem: viton
PN 63 temp. -25 °C +180 °C
Manually operated by handle with locking system.
Direct assembling iso5211

VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES / ACCESSORIS

SERIES 10-3P-F

3 PIEZAS DESMONTABLE ACERO CARBONO WPB / 3-PIECE BALL VALVE WPB CARBON STEEL



Dimensiones generales / General dimensions

Size	MOP (WOG)	Paso / Bore	A	L	M	Peso Weight	Kv
1/4	1000	11.6	48	50	100	0.290	6
3/8	1000	11.6	48	50	100	0.290	10
1/2	1000	15	50	61	103	0.390	24
3/4	1000	20	60	70	127	0.610	43
1	1000	25	64	80	127	0.860	83
1 1/4	1000	32	79	93	154	1.370	130
1 1/2	1000	40	85	102	154	2.040	205
2	1000	50	87	124	192	3.740	340
2 1/2	1000	65	117	156	244	6.440	520
3	1000	80	125	179	244	10.200	1100
4	1000	100	173	218	330	20.490	1820

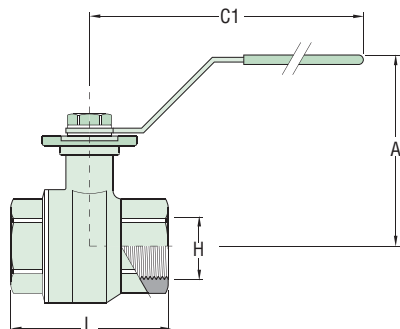
Nº	Denominación / name	Material
1	Cuerpo / Body	Acero carbono WCB / Carbon steel
2	Tapa / Cap	Acero carbono WCB / Carbon steel
3	Bola / Ball	Acero Inox AISI 316/SS316
4	Eje / Stem	Acero Inox AISI 316/SS316
5	Asiento / Ball seat	PTFE + 15% F.V i G.F
6	Junta / Gasket	PTFE
7	Arandela / Thrust Washer	PTFE
8	Anillo prensa / Stem packing	PTFE
9	Prensa / Gland	Acero Inox AISI 304/SS304
10	Arandela / Washer	Acero Inox AISI 304/SS304
11	Tuerca / Nut	Acero Inox AISI 304/SS304
12	Maneta / Handle	Acero Inox AISI 304/SS304
13	Funda maneta / Handle sleeve	Vinilo / Vynil
14	Tornillo / Bolt	Acero Inox AISI 304/SS304
15	Arandela Resorte / Spring Washer	Acero Inox AISI 304/SS304
16	Tuerca / Nut	Acero Inox AISI 304/SS304

Válvula esfera paso total 3 piezas
Extremos roscados según ISO 7-1 (EN 10226-1).
Construcción en Acero Carbono WCB (Microfusión).
Asientos PTFE + 15 % Fibra de Vidrio.
Juntas del eje y juntas del cuerpo en PTFE.
Sistema de bloqueo.
Eje inextensible.
Presión de trabajo máxima 1000 WOG.
Temperatura de trabajo -25 °C + 180 °C.

Full port ball valve, 3 piece.
Thread ends according to ISO 7-1 (EN 10226-1).
Made of Carbon Steel WCB.
Ball seats PTFE + 15 % G.F.
Stem gasket and Body seal made of PTFE.
Locking system.
Blow-out proof stem.
Max.. Working pressure 1000 WOG.
Working Temperature -25 °C + 180 °C.

SERIES 10-PA

PARA ACTUADOR PASO TOTAL PN63 BSP / ACTUATOR READY BALL VALVE PN63



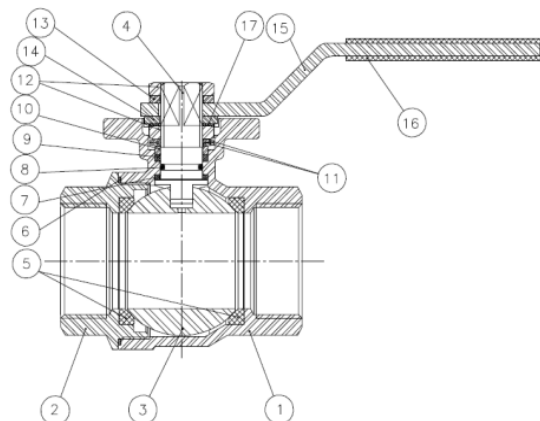
Válvula esfera paso total 2 piezas.
Const: AISI (316) Microfusión. Juntas y asientos: PTFE+VF
Rosca gas DIN 2999 tórica eje: vitón PN-63.
Temp.: -25 °C +180 °C. Mando manual por planca.
Montaje directo S/ISO 5211 con sistema de bloqueo.

2pcs full bore ball valve
Const. aisi 316 seats and seals
PTFE+GF Gas threaded ends DIN
2999. O'ring stem: viton PN-63.
Temp. -25°C+180°C.
Manually operated by handle.
Direct assembling ISO 5211 with locking system

Dimensiones generales / General dimensions

H	A	L	C1	Kv	PN (bar)
1/4	62	50	112	6	63
3/8	62	50	112	10	63
1/2	63	55	112	24	63
3/4	70	70	138	43	63
1	70	73	160	83	63
1 1/4	88	91	160	130	63
1 1/2	94	103	205	205	63
2	100	120	205	340	63

Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox AISI 316/SS 316
2	Tapa / Cap	Acero Inox AISI 316/SS 316
3	Bola / Ball	Acero Inox AISI 316/SS 316
4	Eje / Stem	Acero Inox AISI 316/SS 316
5	Asiento / Ball seat	Teflón+15%FV/PTFE+15%GF
6	Junta / Gasket	Teflón (PTFE)
7	Arandela / Thrust Washer	Teflón+ Grafito/PTFE+graphite
8	Tórica / O'ring	Viton
9	Anillo prensa / Stem packing	PTFE
10	Anillo prensa / Stem ring	Acero Inox AISI 304 / SS 304
11	Arandela Belleville/ Bellville washer	Acero Inox AISI 301/SS 301
12	Tuerca / Nut	Acero Inox AISI 304/SS 304
13	Arandela / Washer	Acero Inox AISI 304/SS 304
14	Tope / Stopper	Acero Inox AISI 304/SS 304
15	Maneta / Handle	Acero Inox AISI 304/SS 304
16	Funda / Handle Sleeve	Vynil
17	Antigiro / Lock Washer	Acero Inox AISI 304/SS 304

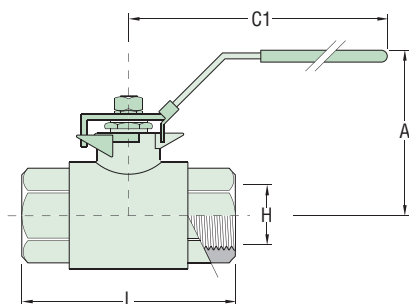


VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES / ACCESSORIS

SERIES 10-PN140

PARA ACTUADOR PASO TOTAL PN63 BSP / ACTUATOR READY BALL VALVE PN63



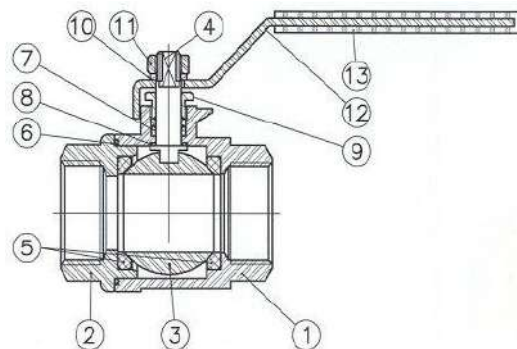
Válvula esfera paso estandar 2 piezas.
 Const: acero inox. CF8M (316)
 Microfusión. Juntas y asientos: PTFE+PV
 Extremos: rosca gas DIN 2999. PN 140.
 Temp.: -25 °C + 180 °C. Mando manual
 por planca con sistema de bloqueo.

2 pcs standard bore ball valve.
Const: Stainless steel CF8M (316).
Investment casting. Seats and seals:
PTFE+GF ends: Gas threaded ends DIN 2999.
PN140. Temp -25°C +180°C.
Manually operated by handle with
locking system.

Dimensiones generales / General dimensions

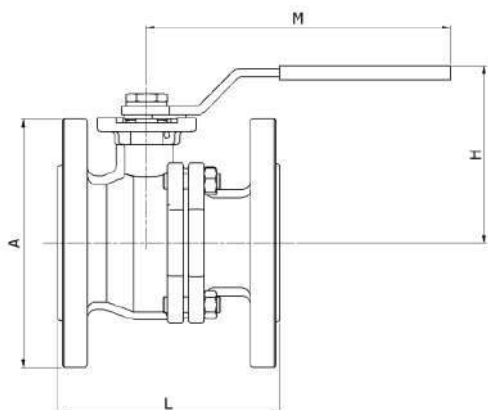
H	A	L	C1	Kv	PN (bar)
1/4	42	54	105	10	140
3/8	42	54	105	10	140
1/2	46	61,5	105	18	140
3/4	53	72	147	38	140
1	58	84,5	147	75	140
1 1/4	68	92	193	83	140
1 1/2	72	103	193	130	140
2	78	118	193	205	140

Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox AISI 316 / SS 316
2	Tapa / Cap	Acero Inox AISI 316 / SS 316
3	Bola / Ball	Acero Inox AISI 316 / SS 316
4	Eje / Stem	Acero Inox AISI 316 / SS 316
5	Asiento / Ball seat	Teflón+15%FV/PTFE+15%GF
6	Junta / Gasket	Teflón (PTFE)
7	Arandela / Trust Washer	Teflón+15%FV/PTFE+15%GF
8	Anillo fricción / Friction ring	Teflón+15%FV/PTFE+15%GF
9	Tuerca prensa / Stem packing	Acero Inox AISI 304 / SS 304
10	Arandela / Washer	Acero Inox AISI 304 / SS 304
11	Tuerca / Nut	Acero Inox AISI 304 / SS 304
12	Maneta / Handle	Acero Inox AISI 304 / SS 304
13	Funda / Handle sleeve	PVC



S10 FL ASME

VÁLVULA BRIDADA ASME B16.5 CL150 / ASME B16.5 CL150 FLANGED VALVE



- Válvula de esfera paso total, 2 piezas.
- Extremos Bridados según ASME B 16.5. ANSI Clase 150.
- Construcción en Acero Inoxidable CF8M.
- Normas de diseño ASME B 16.34.
- Longitud entre caras según ASME B 16.10.
- Asientos PTFE + 25 % Grafito.
- Junta de cuerpo : PTFE + Grafito (de 1/2" a 1 1/4") AISI 304 + Grafito (de 1 1/2" a 8")
- Certificación Fire Safe según EN 10497.
- Vástago inextensible.
- Montaje actuador directo según ISO 5211.
- Sistema de bloqueo incorporado.
- Dispositivo Antiestático.
- Inspección y ensayos según API 598.
- Presión de trabajo máxima 19 bar (275 psi).
- Temperatura de trabajo -30 °C + 250 °C.

- Full port ball valve, 2 pieces.**
2. Flanged ends according to ASME B 16.5. ANSI Class 150.
3. Made of Stainless Steel CF8M.
4. Design according to ASME B 16.34.
5. Face to Face according to ASME B 16.10.
6. Ball seats PTFE + 25 % Graphite.
7. Body gasket: PTFE + Graphite (from 1/2" to 1 1/4") AISI 304 + Graphite (from 1 1/2" to 8")
8. Fire Safe certification according to EN 10497.
9. Blow-out proof stem.
10. Direct mounting actuator acc. to ISO 5211.
11. Block System.
12. Antistatic device.
13. Inspection & Testing: API 598
14. Max. working pressure 19 bar (275 psi).
15. Working Temperature -30 °C + 250 °C.

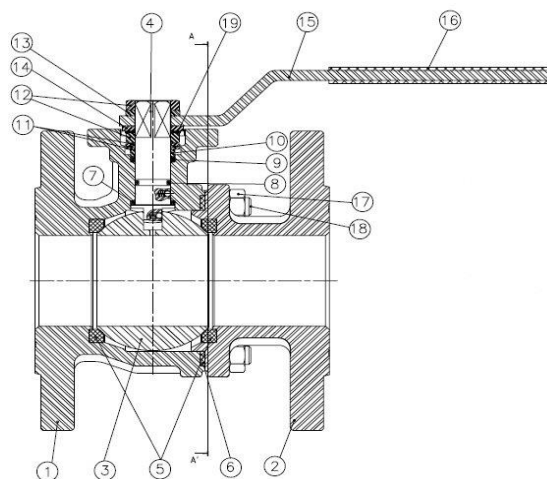
Dimensiones generales / General dimensions

Size	Clase / Class	A	H	L	M	Peso Weight	Kv	CxC	ISO5211
1/2	150	89	85	108	170	1.500	17	9x9	F04
3/4	150	98.6	85	117	170	2.150	38	9x9	F04/F05
1	150	108	95	127	170	2.870	62	11x11	F04/F05
1 1/4	150	117	106	140	200	3.950	115	14x14	F05/F07
1 1/2	150	127	110	165	200	5.800	150	14x14	F05/F07
2	150	152.5	118	178	200	8.400	250	14x14	F05/F07
2 1/2	150	177.8	170	190	380	13.500	410	17x17	F07/F10
3	150	190.5	170	203	380	17.800	900	17x17	F07/F10
4	150	228.6	170	229	380	30.500	1450	17x17	F07/F10
6	150	279.4	225	394	620	56.000	3700	27x27	F10/F12
8	150	342.9	340	457	800	127.000	8000	27x27	F12/F14

VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

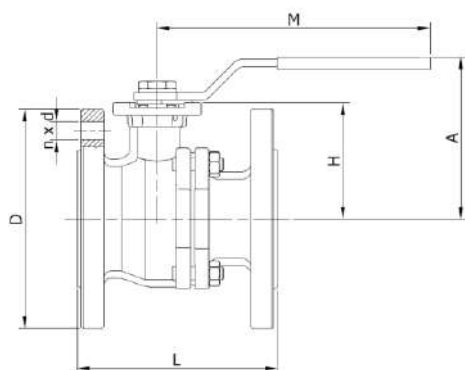
VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES / ACCESSORIS

Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox CF8M/SS CF8M (AISI316)
2	Tapa / Cap	Acero Inox CF8M/SS CF8M (AISI316)
3	Bola / Ball	Acero Inox CF8M/SS CF8M (AISI316)
4	Eje / Stem	Acero Inox AISI 316 / SS 316
5	Asiento / Ball seat	PTFE +25% Grafito/Graphite
6	Junta / Gasket	PTFE + Grafito o AISI 304 + Grafito
7	Arandela / Thrust Washer	PTFE + Grafito / PTFE + Graphite
8	Tórica / O-Ring	FKM (Viton)
9	A.Prensa / Stem packing	PTFE
10	Anillo prensa / Stem Ring	Acero Inox AISI 304 / SS 304
11	Arandela / Spring Washer	Acero Inox AISI 301 / SS 301
12	Tuerca / Nut	Acero Inox AISI 304 / SS 304
13	Arandela / Washer	Acero Inox AISI 304 / SS 304
14	Tope / Stopper	Acero Inox AISI 304 / SS 304
15	Maneta / Handle	Acero Inox AISI 304 / SS 304
16	Funda / Handle sleeve	Vinilo / Vinyl
17	Tuerca / Nut	Acero Inox AISI 304 / SS 304
18	Perno / Stud Bolt	A193-B8
19	Antigiro / Lock Washer	Acero Inox AISI 304 / SS 304



S10 FL EN

VÁLVULA BRIDADA EN 1092-1 PN40/PN16 / EN 1092-1 PN40/PN16 FLANGED VALVE

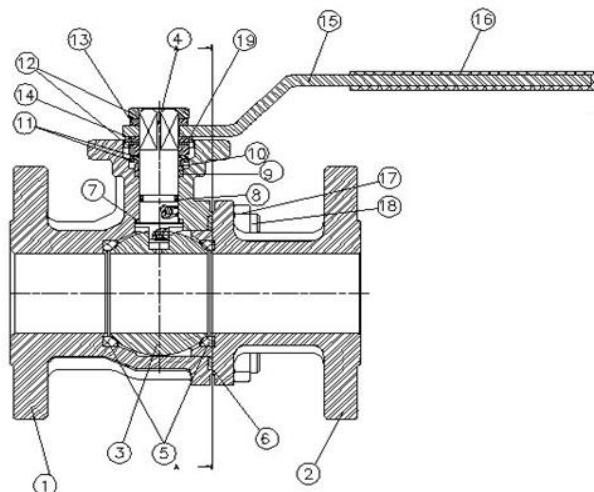


1. Válvula de esfera paso total, 2 piezas.
2. Extremos Bridados según EN 1092-1. PN 40 desde DN 15 hasta DN 50. PN 16 desde DN 65 hasta DN 200.
3. Construcción en Acero Inoxidable 1.4408 (CF8M).
4. Longitud entre caras según EN 558 serie 27.
5. Asientos PTFE + 15 % F.V. (otro material consultar)
6. Junta cuerpo espirometálica desde DN 40.
7. Tórica en el eje de FKM (Viton).
8. Vástago inextensible.
9. Montaje actuador directo según ISO 5211.
10. Sistema de bloqueo incorporado.
11. Dispositivo Anti-estático.
12. Certificación Fire Safe según EN 10497.
13. Presión de trabajo máxima 40 / 16 bar.
14. Temperatura de trabajo -30 °C + 180 °C.

1. Full port ball valve, 2 pieces.
2. Flanged ends according to EN 1092-1. PN 40 DN 15 to DN 50. PN 16 DN 65 to DN 200.
3. Made of Stainless Steel 1.4408 (CF8M).
4. Face to Face according to EN 558 series 27.
5. Ball seats PTFE + 15 % G.F. (please ask for other materials)
6. From DN 40 with spiral wound gasket.
7. FKM (Viton) stem O' ring.
8. Blow-out proof stem.
9. Direct mounting actuator according to ISO 5211.
10. Block System included.
11. Anti-static device.
12. Fire Safe certification according to EN 10497.
13. Max. Working pressure 40 / 16 bar.
14. Working Temperature -30 °C + 180 °C.

Dimensiones generales / General dimensions

Size	PN	D	A	L	M	n x d	Kv	CxC	ISO5211	H	h	Peso / Weight
1/2	40	95	85	115	170	4 x 14	19	9x9	F04	46	9.5	2.200
3/4	40	105	85	120	170	4 x 14	40	9x9	F04/F05	51	10	3.050
1	40	116	95	125	170	4 x 14	65	11x11	F04/F05	57	11	3.750
1 1/4	40	140	106	130	200	4 x 18	110	14x14	F05/F07	71	15.5	5.750
1 1/2	40	150	110	140	200	4 x 18	180	14x14	F05/F07	76	15.5	7.000
2	40	165	118	150	200	4 x 18	365	14x14	F05/F07	83	15.5	9.500
2 1/2	16	185	170	170	380	4 x 18	495	17x17	F07/F10	119	21	14.750
3	16	200	170	180	380	8 x 18	970	17x17	F07/F10	130	21	18.850
4	16	220	170	190	380	8 x 18	1620	17x17	F07/F10	145	21	26.250
5	16	250	200	325	520	8 x 18	2530	27x27	F10/F12	163	34	38.000
6	16	285	220	350	620	8 x 18	4050	27x27	F10/F12	180	34	51.000
8	16	340	345	400	800	12 x 22	8650	27x27	F12/F14	253	26	115.500



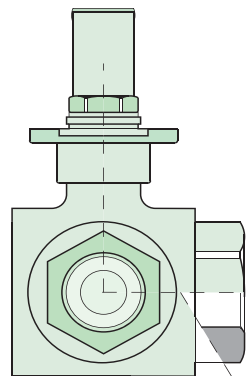
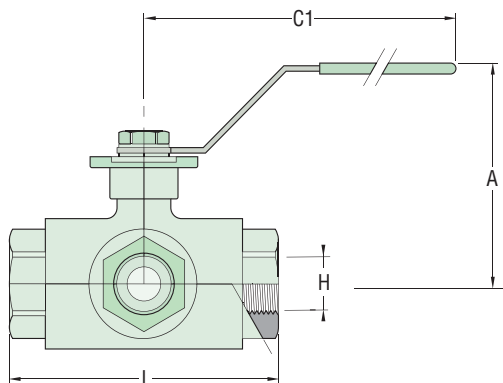
Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox / Stainless Steel 1.4408
2	Tapa / Cap	Acero Inox / Stainless Steel 1.4408
3	Bola / Ball	Acero Inox / Stainless Steel AISI 316
4	Eje / Stem	Acero Inox / Stainless Steel AISI 316
5	Asiento / Ball seat	PTFE +15% PV/GF
6	Junta / Gasket	PTFE + Grafito (hasta/until DN32) SS + Graphite (desde/from DN40)
7	A.Fricción / Thrust Washer	PTFE + Grafito / PTFE + Graphite
8	Tórica / O-Ring	FFM
9	Empaquetadura / Stem packing	PTFE
10	Anillo prensa / Stem Ring	Acero Inox / Stainless Steel AISI 304
11	Arandela / Spring Washer	Acero Inox / Stainless Steel AISI 301
12	Tuerca / Nut	Acero Inox / Stainless Steel AISI 304
13	Arandela / Washer	Acero Inox / Stainless Steel AISI 304
14	Tope / Stopper	Acero Inox / Stainless Steel AISI 304
15	Maneta / Handle	Acero Inox / Stainless Steel AISI 304
16	Funda / Handle sleeve	Vinilo / Vinyl
17	Tuerca / Nut	Acero Inox / Stainless Steel AISI 304
18	Perno / Stud Bolt	Acero Inox / Stainless Steel AISI 304
19	Antigiro / Lock Washer	Acero Inox / Stainless Steel AISI 304

VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

SERIES 10-3 VR

3 VÍAS PASO REDUCIDO PN 63 BSP / 3 WAY VALVE REDUCED BORE PN63 BSP&NPT



Dimensiones generales / General dimensions

H	Orifice (mm)	A	C1	L	Kv	PN (bar)
1/4	9,5	66	130	75	11	63
3/8	11	66	130	75	11	63
1/2	12	66	130	75	13	63
3/4	15	72	161	85	15	63
1	20	77	161	100	31	63
1 1/4	25	92	203	122	39	63
1 1/2	32	96	203	131	62	63
2	40	107	203	158	103	63
2 1/2	49	135	254	178		63

Nº	Denominación / name	Material
1	Cuerpo / Body	Acero Inox AISI 316/SS 316
2	Tapa / Cap	Acero Inox AISI 316/SS 316
3	Bola / Ball	Acero Inox AISI 316/SS 316
4	Asiento / Ball seat	Teflón+15%FV/PTFE+15%GF
5	Eje / Stem	Acero Inox AISI 316 / SS 316
6	Dispositivo anti-estático/ Anti-static device	Acero Inox AISI 316 / SS316
7	Anillo Fricción / Trust Washer	PTFE
8	Tórica / O'ring	FKM (Vitón)
9	Anillo Prensa / Stem packing	PTFE
10	Guarnición / Bushing	Inox + PTFE / SS +PTFE
11	Anillo Prensa / Stem ring	Acero Inox AISI 316 / SS 316
12	Arandela Resorte / Spring Washer	Acero Inox AISI 304/SS 301
13	Tuerca / Nut	ASTM A 194-8
14	Antigiro / Stopper	Acero Inox AISI 304/SS 304
15	Arandela / Washer	Acero Inox AISI 304/SS 304
16	Tuerca Maneta / Handle Nut	Acero Inox AISI 304/SS 304
17	Funda / Handle sleeve	Vynil
18	Maneta / Handle	Acero Inox AISI 304/SS 304
19	Bloqueo maneta / Lock device	Acero Inox AISI 304/SS 304
20	Junta /Gasket	Teflón / PTFE
21	Tornillo tope / Stop Bolt	Acero Inox AISI 304 / SS 304
22	Tuerca / Nut	ASTM A 194-8

Válvula esfera 3 vías paso reducido.

Paso Tipo L Paso tipo T

Const: AISI 316- Cuatro asientos PTFE+VF

juntas cuerpo y eje: PTFE tórica eje: Vitón.

Extremos: rosca BSP o NPT con sistema de bloqueo. PN 63.Temp. -25°C +180 °C.

Montaje directo S/ISO 5211.

Mando manual por palanca

3Ways ball valve reduced bore
L bore T bore.

Const: AISI 316; Four seats

PTFE+GF body and stem seats: PTFE

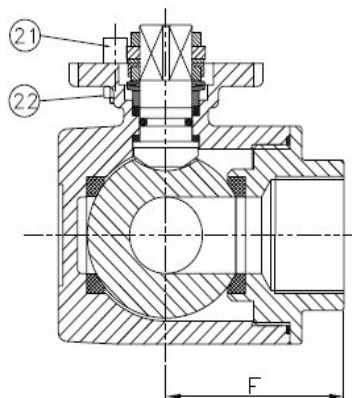
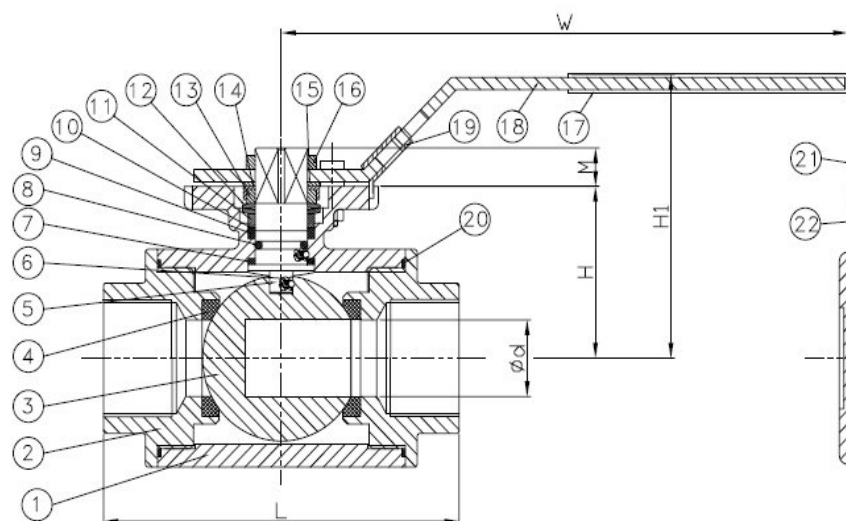
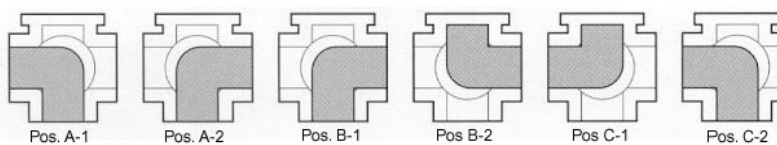
O-Ring stem: Viton. BSP or NPT Threads

PN 63. Temp -25 °C +180°C

Assembling S/ISO 5211.

Manually operated by handle with locking system

Tipo Paso	1	2	3	4
L	1 2 3	1 2 3	1 2 3	1 2 3
T	1 2 3	1 2 3	1 2 3	1 2 3

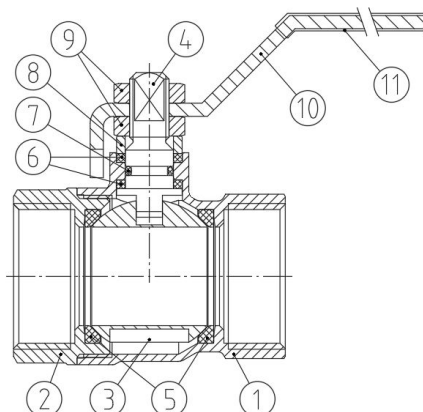
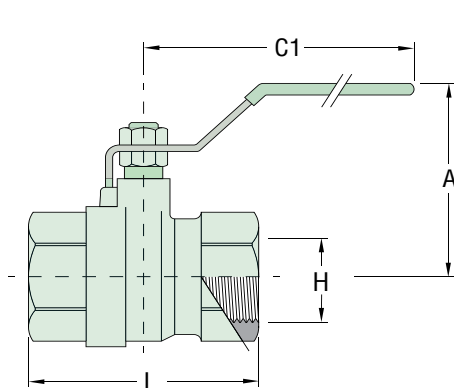


VÁLVULAS DE BOLA SERIE 10 / BALL VALVES SERIE 10

VÁLVULAS Y ACCESORIOS / VALVES & ACCESSORIES/ VÁLVULES I ACCESSORIS

S10-LAT-PN25

LATÓN PN 25 NPT BSP / BRASS BALL VALVE



Válvula de esfera
También disponible con rosca NPT.
PN 25. Paso total construcción en latón UNE-EN 12165 Cromado.
Asiento PTFE.
Temp. Máx. 110 °C. Mando Manual por palanca de acero.

Ball valve

Also available NPT thread. PN 25. Full bore. Body chrome plated brass UNE-EN 12165. PTFE seats. Max. temp. 110 °C. Steel lever manual control.

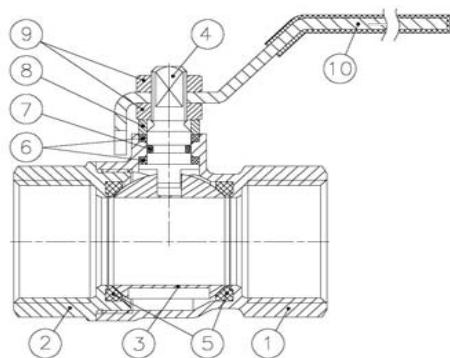
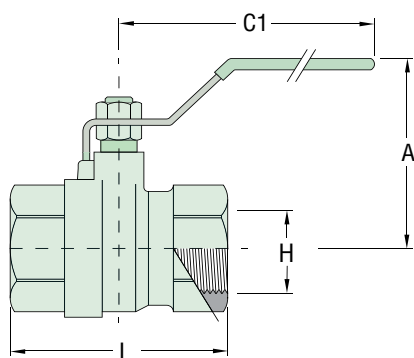
Dimensiones generales / General dimensions

H	Orifice (mm)	A	L	C1	Kv	PN (bar)
1/4	10	46	40	84	3.5	25
3/8	10	46	43	84	5	25
1/2	15	47	49	84	15	25
3/4	20	58	56	98	26	25
1	25	61	68	98	42	25
1 1/4	32	74	80	126	58	25
1 1/2	40	80	89	126	82	25
2	50	91	104	158	150	25
2 1/2	59	101	137	158	230	25
3	72	131	158	196	315	25
4	90	145	183	265	400	25

Nº	Denominación / name	Material
1	Cuerpo / Body	Latón / Brass (CW617N)
2	Tapa / Cap	Latón / Brass (CW617N)
3	Bola / Ball	Latón / Brass (CW617N)
4	Eje / Stem	Latón / Brass (CW617N)
5	Asiento / Ball seats	PTFE
6	Anillo prensa / Stem packing	PTFE
7	Tórica / O-Ring	NBR
8	Anillo prensa / Stem ring	Latón / Brass
9	Tuerca / Nut	Latón / Brass
10	Maneta / Handle	AISI 304

S10-LAT-PN40

LATÓN PN 40 NPT BSP PASO TOTAL / BRASS BALL VALVE PN40 NPT/BSP FULL BORE



Válvula de esfera serie pesada. También disponible con rosca NPT PN 40. Paso total. Construcción en latón UNE-EN 12165 cromado. Asientos PTFE. Temp. máx. 110°C. Mando manual por palanca de acero

S10 PN40 Full Bore Ball Valve. Also available NPT thread PN 40. Full bore. Body chrome plated brass UNE-EN12165. PTFE seats. Gas threaded ends (BSP) F-F ISO 228/1. Max. Temp. 110°C. Steel lever manual control

Dimensiones generales / General dimensions

H	Orifice (mm)	A	L	C1	Kv	PN (bar)
1/4	10	45	48	84	3.5	40
3/8	10	45	50	84	5.5	40
1/2	15	47	58	84	16	40
3/4	20	58	65	98	30	40
1	25	61	78	98	45	40
1 1/4	32	74	88	126	70	40
1 1/2	40	80	105	126	115	40
2	50	91	122	158	210	40

Nº	Denominación / name	Material
1	Cuerpo / Body	Latón / Brass (CW617N)
2	Tapa / Cap	Latón / Brass (CW617N)
3	Bola / Ball	Latón / Brass (CW617N)
4	Eje / Stem	Latón / Brass (CW617N)
5	Asiento / Ball seats	PTFE
6	Anillo prensa / Stem packing	PTFE
7	Tórica / O-Ring	NBR
8	Anillo prensa / Stem ring	Latón / Brass
9	Tuerca / Nut	Latón / Brass
10	Maneta / Handle	AISI 304