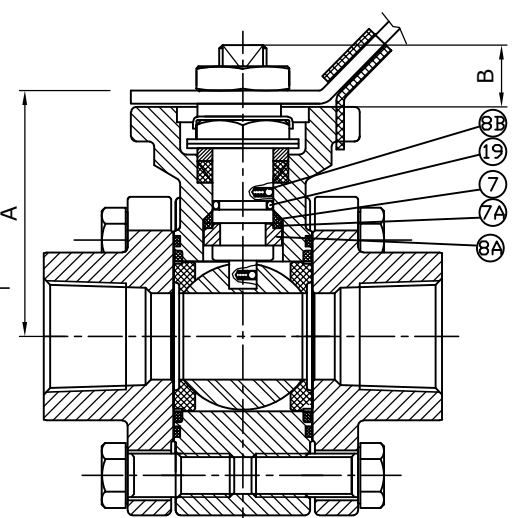
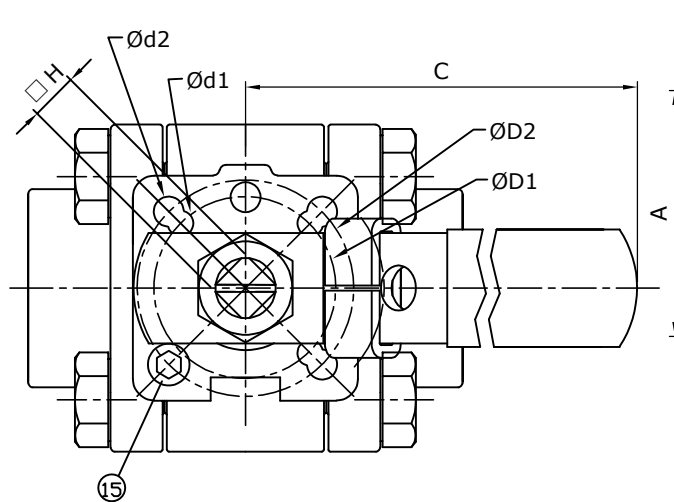
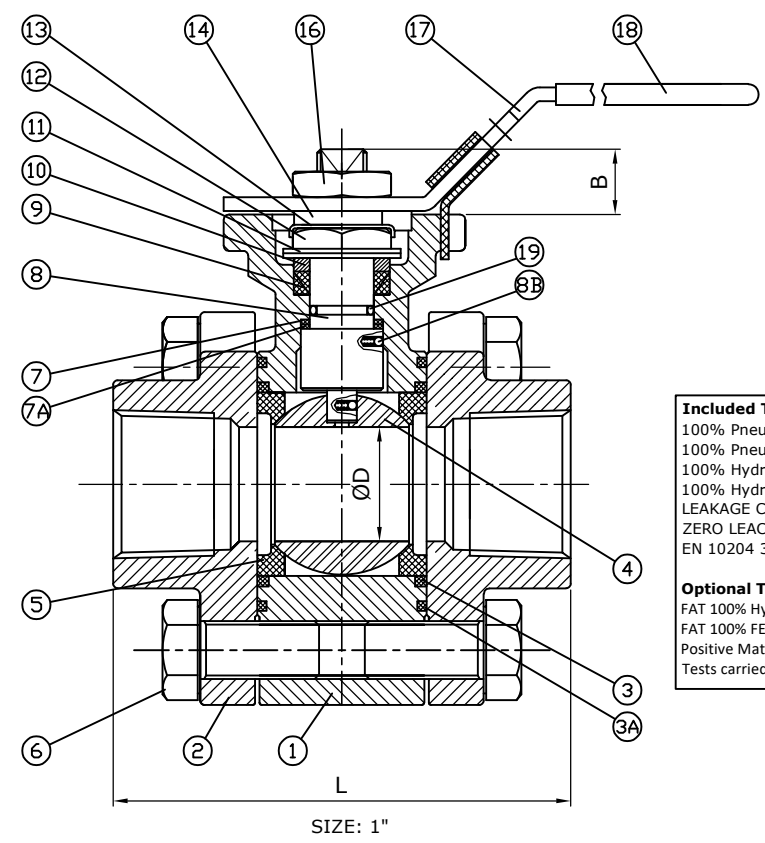
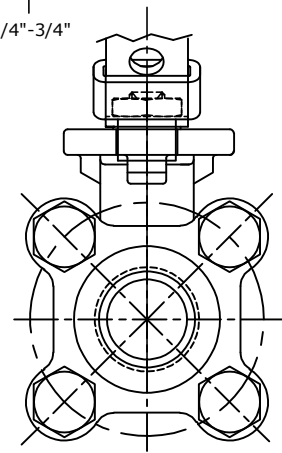




SIZE: 1/4"-3/4"



SIZE: 1"

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

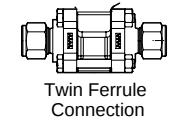
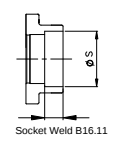
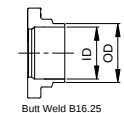
Optional Tests:
 FAT 100% Hydrogen Pure 99,999 Tested at PNx1,1
 FAT 100% FET Production 5% H2 or He ISO15848-2 <50 ppmv
 Positive Material Identification Test, Cycle Test, Vacuum Test
 Tests carried out at Redfluid ISO 9001 Hydrogen Laboratory

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	

Redfluid Technical Features

- 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 15848-2:2006
 - 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
 - H2 ISO 19880-3 102000 cycles tested
 - Silicone Free Grease
- Optional Configuration:**
 (Minimum Order Qty required)
- Twin Ferrule Endings
 - Long BW Welded Ends
 - BW Eneds B16.25
 - Ball and / or Stem in Nitronic 50 or Alloy 718
 - Seats in Vespel
 - Cleaning & Degreased

Optional Configuration:



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

Unit : mm

Code	SIZE	A	B	C	D	D1	D2	d1	d2	H	L	ISO
A1002NPIH2 A1003NPIH2	1/4", 3/8"	46	9.5	160	11	36	42	6.0	7.0	9	66.5	F03/F04
A1004NPIH2	1/2"	48	9.5	160	15	36	42	6.0	7.0	9	70	F03/F04
A1005NPIH2	3/4"	53	12	190	20	-	50	-	7.2	11	92	F05
A1006NPIH2	1"	59	12	190	25	-	50	-	7.2	11	105	F05

OBSERVATIONS:

Material: Stainless Steel 316

Ends: BSPP (ISO 228) - NPT (ASME B1.20.1), SW (ANSI B16.11)

		Tolerance: ± 1 mm		Ed.: A		Rev.: 1		 REDFLUID[®] REGULACION DE FLUIDOS	
		Date		Name		Approval			
Redfluid Drawed		09-Aug-2023		A. Lobel		OK			The indicated pressure is the design pressure; Operating pressure shall always remain below the design pressure for optimal safety and performance.
Redfluid Checked		09-Aug-2023		E. Palau		OK			Pressure and temperature subject to change depending on Seals and Gaskets Material Selection
Scale N/A		3600 Psig S10 Ball Valve 3-Pieces Hydrogen Service						Dimensions Subject to change without notice	
								Nº: REDFLUID S10H2 Ball Valve	