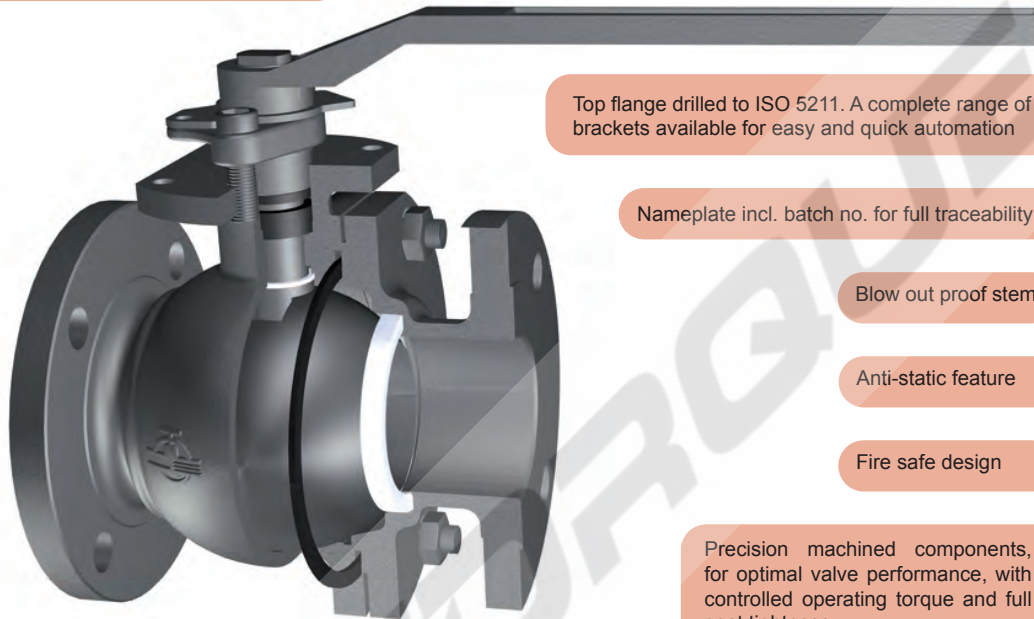


SERIES BF ANSI RANGE

Series BF are floating type, quick closing 90° rotary ball valves, bidirectional, with tightness achieved by friction of the ball blind ends to the seats, devised for stopping the flow of the service fluid when necessary and not being suitable for regulation purposes. Valve closes by turning the hand lever clockwise. They have a robust construction to offer reliable performance in standard services.

Floating ball, full bore, side entry, split body design, with integral flanges



Top flange drilled to ISO 5211. A complete range of brackets available for easy and quick automation

Nameplate incl. batch no. for full traceability

Blow out proof stem

Anti-static feature

Fire safe design

Precision machined components, for optimal valve performance, with controlled operating torque and full seat tightness

Main Features / Reference Standards

Design: API6D
 Pressure Rating: 150/300/600#
 Face to face length: ASME B16.10
 Valve end connections: Flanged RF or RTJ to ASME B16.5
 Welded BW to ASME B16.25
 Fire safe design: API6FA
 Bidirectional design
 Marking: MSS SP-25
 Inspections & Tests: API598
 Primer painted for protection during storage and transport (carbon steel body/bonnet)
 Product may be compliant with Pressure Equipment Directive PED, up to category III for European territory

Main Duties / Limits of use

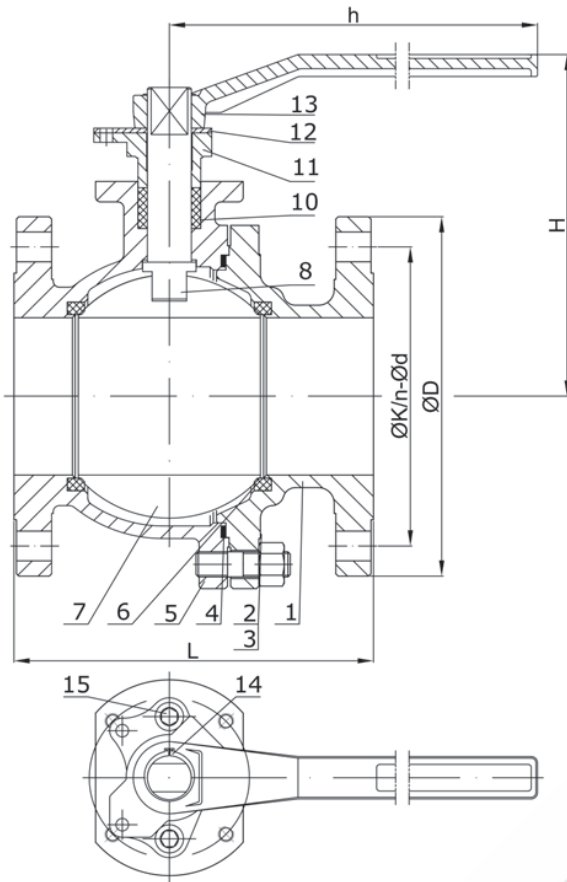
Fluids compatible with materials of construction
 Pressure / Temperature Rating to ASME B16.34. Limits also by materials of construction.
 Temperature range for RPTFE seat: -29°C/180°C
 For Class 600 or other seat materials please consult P/T rating with us
 For PED compliant products, limits also acc. to PED Annex II Tables 6, 7, 8 & 9, gases and liquids of fluid groups 1 & 2, up to category III
 Questions referring to chemical resistance, please consult us

Options

Different material combinations, different valve connections, worm gear, actuators, limit switches, cryogenic design, jacketed body, execution for aggressive atmosphere, etc. Please consult us

Main Parts and Materials

SERIES BF ANSI RANGE



N°	PART	MATERIAL		
		BFA02	BF122	BF103
1	Body Cap	A216 WCB	A351 CF8	A351 CF8M
2	Cap Bolt	A193 B7	A193 B8	A193 B8M
3	Cap Nut	A194 2H	A194 8	A194 8M
4	Cap Gasket	SS304+ Graphite	SS304+ Graphite	SS316+ Graphite
5	Body	A216 WCB	A351 CF8	A351 CF8M
6	Seat	RPTFE	RPTFE	RPTFE
7	Ball	A182 F304	A182 F304	A182 F316
8	Stem	A182 F304	A182 F304	A182 F316
9	Thrust Washer	PTFE	PTFE	PTFE
10	Packing	Flexible Graphite	PTFE	PTFE
11	Gland Flange	A216 WCB	A351 CF8	A351 CF8M
12	Positioner Plate	Carbon Steel	St. Steel	St. Steel
13	Lever	A216 WCB	A216 WCB+Epoxy Coated	
14	Lever Washer	Carbon Steel		
15	Bolt	A193 B7	A193 B8	A193 B8M

Main Valve Parameters

Size	inch	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	
	DN	15	20	25	40	50	80	100	150	200	250	
Class 150	RF	L	108	117	127	165	178	203	229	394	457	533
		ØD	90	100	110	125	150	190	230	280	345	405
		ØK	60,3	69,9	79,4	98,4	120,7	152,4	190,5	241,3	298,5	362
		n-Ød	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø19	4-Ø19	8-Ø19	8-Ø22	8-Ø22	12-Ø25
	H	85	88	95	124	137	205	218	318	347	(1)	
	h	140	150	175	240	240	300	370	850	1200	(1)	
	Approx. Weight	4,1	5	5,6	8,3	13	26	41	86	151	265	
Class 300	RF	L	140	152	165	190	216	282	305	403	502	-
		ØD	95	115	125	155	165	210	255	320	380	-
		ØK	66,7	82,6	88,9	114,3	127	168,3	200	269,9	330,2	-
		n-Ød	4-Ø16	4-Ø19	4-Ø19	4-Ø22	8-Ø19	8-Ø22	8-Ø22	12-Ø22	12-Ø25	-
	H	85	88	95	124	142	190	218	316	370	-	
	h	140	150	175	240	240	330	370	850	1200	-	
	Approx. Weight	3,2	5	6,2	12,3	17	35	61	121	215	-	
Class 600	RF	L	165	190	216	241	292	356	432	-	-	-
		ØD	95	115	125	155	165	210	275	-	-	-
		ØK	66,7	82,6	88,9	114,3	127	168,3	215,9	-	-	-
		n-Ød	4-Ø16	4-Ø19	4-Ø19	4-Ø22	8-Ø19	8-Ø22	8-Ø25	-	-	-
	H	85	88	95	133	179	226	274	-	-	-	
	h	140	150	175	240	400	500	600	-	-	-	
	Approx. Weight	5,7	6,5	10,3	18	26	54	91	-	-	-	

(1) Valves with gear or ISO 5211 mounting pad

Dimensions in mm subject to manufacturing tolerance / Weights in kg
Other dimensions on request

Information / restriction of technical rules need to be observed!
Installation, Operating and Maintenance Manual can be downloaded at www.comeval.es

The engineer, designing a system or a plant, is responsible for the selection of the correct valve
Product suitability must be verified, contact manufacturer for information