

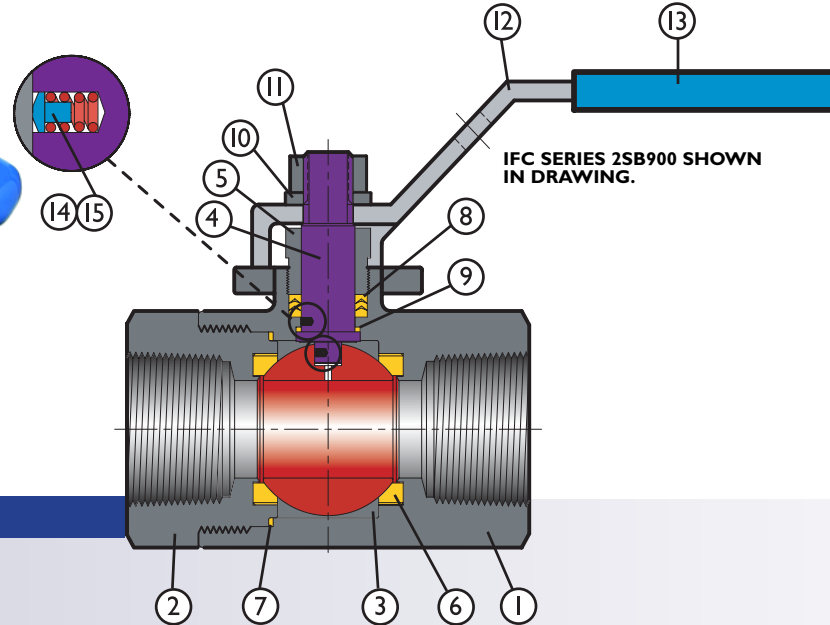
## IFC TWO PIECE BALL VALVES

### IFC SERIES 2FB10 STAINLESS STEEL BODY – 1000 PSIG

### IFC SERIES 2SB900 CAST STEEL BODY – ANSI CLASS 900 LB



**IFC SERIES 2FB10 SHOWN  
IN PICTURE.**



**IFC SERIES 2SB900 SHOWN  
IN DRAWING.**

#### DESIGN FEATURES

- FULL PORT – IFC SERIES 2FB10 OR REGULAR PORT IFC SERIES 2SB900
- NPT ENDS TO ASME B1.20.1 OR SOCKET WELD ENDS TO ASME B16.11
- TWO PIECE BODY
- RTFE SEATS STANDARD ON IFC SERIES 2FB10, POLYCARBON SEATS STANDARD ON IFC SERIES 2SB900
- STANDARD 316 SS BALL AND STEM
- BLOWOUT-PROOF STEM
- ADJUSTABLE PACKING GLAND
- STANDARD 304 SS LOCKING LEVER HANDLES
- 2 BOLT MOUNTING ON IFC SERIES 2FB10, ISO 5211 4 BOLT MOUNTING ON IFC SERIES 2SB900
- **EXCLUSIVE TO IFC SERIES 2SB900**
  - FULL SEAL WELDED BODY TO ADAPTER CONNECTION
  - ASME B16.34, CLASS 900 COMPLIANT
  - API 608 COMPLIANT
  - FIRE SAFE TO API 607 4TH EDITION AND ISO 10497
  - NACE MR01-75 COMPLIANT
  - BALL INCLUDES PRESSURE EQUALIZATION HOLE TO PREVENT TRAPPED PRESSURE IN BODY CAVITY.
  - ANTI-STATIC DEVICE

#### PARTS LIST AND STANDARD MATERIALS

ITEM	DESCRIPTION	SPECIFICATIONS		
		IFC SERIES 2FB10	IFC SERIES 2SB900 Carbon Steel Body	IFC SERIES 2SB900 Stainless Steel Body
1	BODY	A351-CF8M	A216-WCB	A351-CF8M
2	CAP	A351-CF8M	A216-WCB	A351-CF8M
3	BALL	A351-CF8M	A351-CF8M	A351-CF8M
4	STEM	A276-316	A276-316	A276-316
5	GLAND	304 Stainless Steel	S45C	316 Stainless Steel
(1)	6 BALL SEAT	RTFE	RTFE	RTFE
(1)	7 BODY SEAL	PTFE	GRAPHITE	GRAPHITE
(1)	8 PACKING	PTFE	GRAPHITE	GRAPHITE
(1)	9 THRUSH WASHER	PTFE	RTFE	RTFE
10	SPRING WASHER	304 Stainless Steel	Carbon Steel	316 Stainless Steel
11	NUT	304 Stainless Steel	A283 CS	304 Stainless Steel
12	HANDLE	304 Stainless Steel	A283 CS ZP	304 Stainless Steel
13	HANDLE SLEEVE	PVC	PVC	PVC
14	SPRING	N/A	304SS	304SS
15	PLUNGER	N/A	304SS	304SS

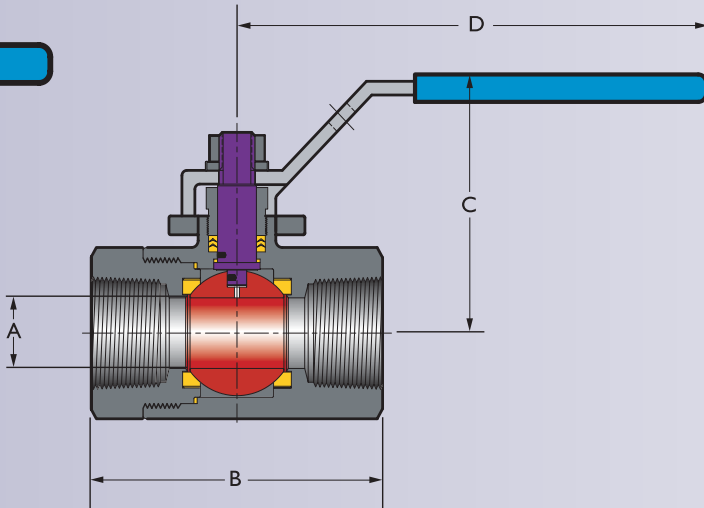
#### NOTES

1. Standard items included in repair kit
2. Fire safe trim offered as standard whenever possible for IFC Series 2SB900 valves. Consult IFC sales department for fire safe trim.
3. Valve materials of IFC Series 2SB900 meet the requirements of NACE MR01-75.
4. Other seat and seal materials available. See page 24.

# IFC TWO PIECE BALL VALVES

## IFC SERIES 2FB10 STAINLESS STEEL BODY – 1000 PSIG

## IFC SERIES 2SB900 CAST STEEL BODY – ANSI CLASS 900 LB



### UPPER PRESSURE LIMITS (NON-SHOCK)

IFC SERIES	BODY MATERIAL	M.A.W.P. PSIG (BARS)
2FB10	A351-CF8M	1000 (68.95)
2SB900	A216-WCB	2220 (153.06)
2SB900	A351-CF8M	2160 (148.93)

### UPPER TEMPERATURE LIMITS

SEAL MATERIAL	UPPER LIMITS °F (°C)
RTFE	400° (204°)
PolyCarbon	650° (343°)

### LOWER TEMPERATURE LIMITS

BODY MATERIAL	LOWER LIMITS °F (°C)
A216-WCB	- 20° (-28.9°)
A351-CF8M	- 20° (-28.9°)

### IFC SERIES 2FB10 (1000 PSIG) AND IFC SERIES 2SB900 (ANSI 900 LB)

SIZE in/mm	A in/mm		B in/mm		C in/mm		D in/mm		Weight Lb./Kg.		Torque in-Lbs./ N-M		CV	
	2FB10	2SB900	2FB10	2SB900	2FB10	2SB900	2FB10	2SB900	2FB10	2SB900	2FB10	2SB900	2FB10	2SB900
1/4	0.46	0.43	2.36	2.64	1.97	2.23	3.94	5.04	0.53	0.46	31	40	10	10
8	12	11	60	67	50	57	100	128	0.24	0.21	3.5	4.5		
3/8	0.5	0.43	2.36	2.64	1.97	2.23	3.94	5.04	0.53	0.46	35	40	10	10
10	13	11	60	67	50	57	100	128	0.24	0.21	4.0	4.5		
1/2	0.59	0.43	2.56	2.64	1.97	2.23	3.94	5.04	0.66	0.41	48	75	16	16
15	15	11	65	67	50	57	100	128	0.30	0.19	5.5	8.5		
3/4	0.79	0.59	3.07	3.08	2.36	2.72	4.92	5.75	1.04	0.81	66	120	35	26
20	20	15	78	78	60	69	125	146	0.47	0.37	7.5	13.0		
1	0.98	0.81	3.54	3.54	2.76	2.87	6.3	5.75	1.68	1.11	97	140	60	42
25	25	21	90	90	70	73	160	146	0.76	0.50	11.0	16.0		
1 1/4	1.26	0.98	3.94	4	3.15	3.47	6.3	7.2	2.49	1.82	133	250	100	52
32	32	25	100	102	80	88	160	183	1.13	0.83	15.0	28.0		
1 1/2	1.5	1.25	4.72	4.25	3.54	3.69	7.48	7.76	3.86	2.39	177	350	150	80
40	38	32	120	108	90	94	190	197	1.75	1.09	20.0	40.0		
2	1.97	1.5	5.43	4.94	3.54	3.93	7.48	7.76	5.93	3.66	354	420	250	115
50	50	38	138	125	90	100	190	197	2.70	1.66	40.0	48.0		
2 1/2	2.56	N/A	6.54	N/A	5.71	N/A	9.84	N/A	12.39	N/A	531	N/A	400	N/A
65	65	N/A	166	N/A	145	N/A	250	N/A	5.63	N/A	60.0	N/A		
3	3.15	N/A	7.68	N/A	5.71	N/A	9.84	N/A	16.53	N/A	752	N/A	600	N/A
80	80	N/A	195	N/A	145	N/A	250	N/A	7.51	N/A	85.0	N/A		

#### NOTES

1. See page 19 for actuator and top works dimensions.
2. For Pressure-Temperature ratings see page 25.
3. Valve Torque information is provided on page 28.
4. See page 29 for sample actuator calculations.
5. "How to Order" can be found on page 32.