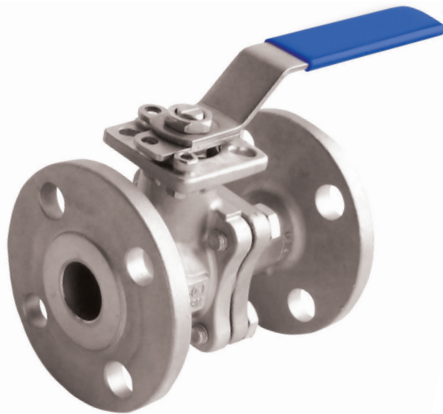


# Direct Mount Ball Valve



**2 Piece • Full Port • Flanged Connection • Class 150 •  
with ISO Mounting Pad**



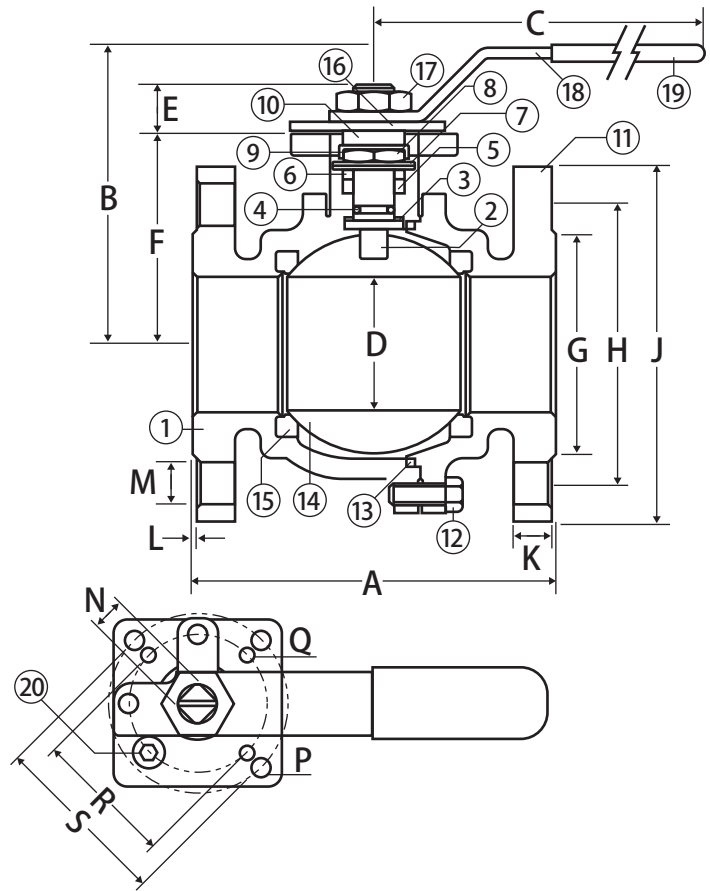
**A2020D**

### Features

- ISO 5211 direct mounting pad
- Blow out proof stem
- Locking device comes standard
- 100 % leak tested
- Wetted surface contains less than .25% lead content

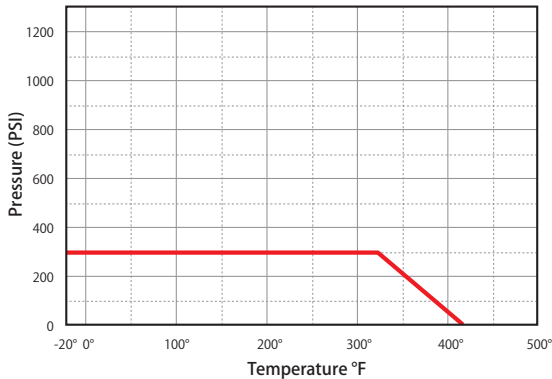
### Approvals

- Conforms to ANSI B16.34
- Flange: ANSI B16.5
- Face to Face: ANSI B16.10
- API 598
- NACE MR-01-75



### Valve Seat Rating

Class 150 :300 WOG



### Material Specifications

No.	Part	Materials	No.	Part	Materials
1	Body	CF8M	13	Gasket	PTFE
2	Stem	SS316	14	Ball	SS316
3	Thrust Washer	RPTFE	15	Ball Seat	RPTFE
4	O-Ring	Viton®	16	Stopper Plate	SS304
5	Stem Packing	PTFE	17	Handle Nut	SS304
6	Gland	SS304	18	Handle	SS304
7	Disk Washer	SS301	19	Sleeve	Plastic
8	Stem Nut	SS304	20	Stop Pin	SS304
9	Nut Stop	SS304	21	Set Bolt*	SS304
10	Washer	SS304	22	Lever Head*	CF8
11	Flanged End	CF8M	23	Pipe Handle*	Steel Pipe
12	Bolt	SS304			

\* Not shown and only on 2-1/2" + valves

### Dimensions

Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	Bolts	Torque
A2020D-12	1/2"	4.25	3.15	5.12	0.59	0.43	1.89	1.38	2.38	3.50	0.45	0.06	0.63	0.35	0.24	0.24	1.42	1.65	4	63.7
A2020D-34	3/4"	4.61	3.15	5.12	0.79	0.43	2.09	1.69	2.76	3.86	0.45	0.06	0.63	0.35	0.24	0.24	1.42	1.65	4	83.2
A2020D-1	1"	5.00	3.54	6.50	0.98	0.55	2.32	2.01	3.13	4.25	0.45	0.06	0.63	0.43	0.28	0.24	1.65	1.97	4	117
A2020D-114	1-1/4"	5.51	4.02	6.50	1.26	0.55	2.80	2.52	3.50	4.61	0.50	0.06	0.63	0.43	0.28	0.24	1.65	1.97	4	161
A2020D-112	1-1/2"	6.50	4.33	8.07	1.50	0.71	2.99	2.87	3.88	5.00	0.56	0.06	0.63	0.55	0.36	0.28	1.97	2.76	4	266
A2020D-2	2"	7.01	4.72	8.07	1.97	0.71	3.35	3.62	4.74	5.98	0.63	0.06	0.75	0.55	0.36	0.28	1.97	2.76	4	319
A2020D-212	2-1/2"	7.48	5.51	11.81	2.56	0.91	3.68	4.13	5.49	7.01	0.70	0.06	0.75	0.67	0.45	0.36	2.76	4.02	4	841
A2020D-3	3"	7.99	5.91	13.39	3.15	0.91	4.06	5.00	6.00	7.48	0.75	0.06	0.75	0.67	0.45	0.36	2.76	4.02	4	1170
A2020D-4	4"	9.02	7.09	16.54	3.94	0.98	5.20	6.18	7.50	9.02	0.94	0.06	0.75	0.87	0.53	0.45	4.02	4.92	8	2170

Note: Torque is in (in-lb)