

# Chicago Valves & Controls

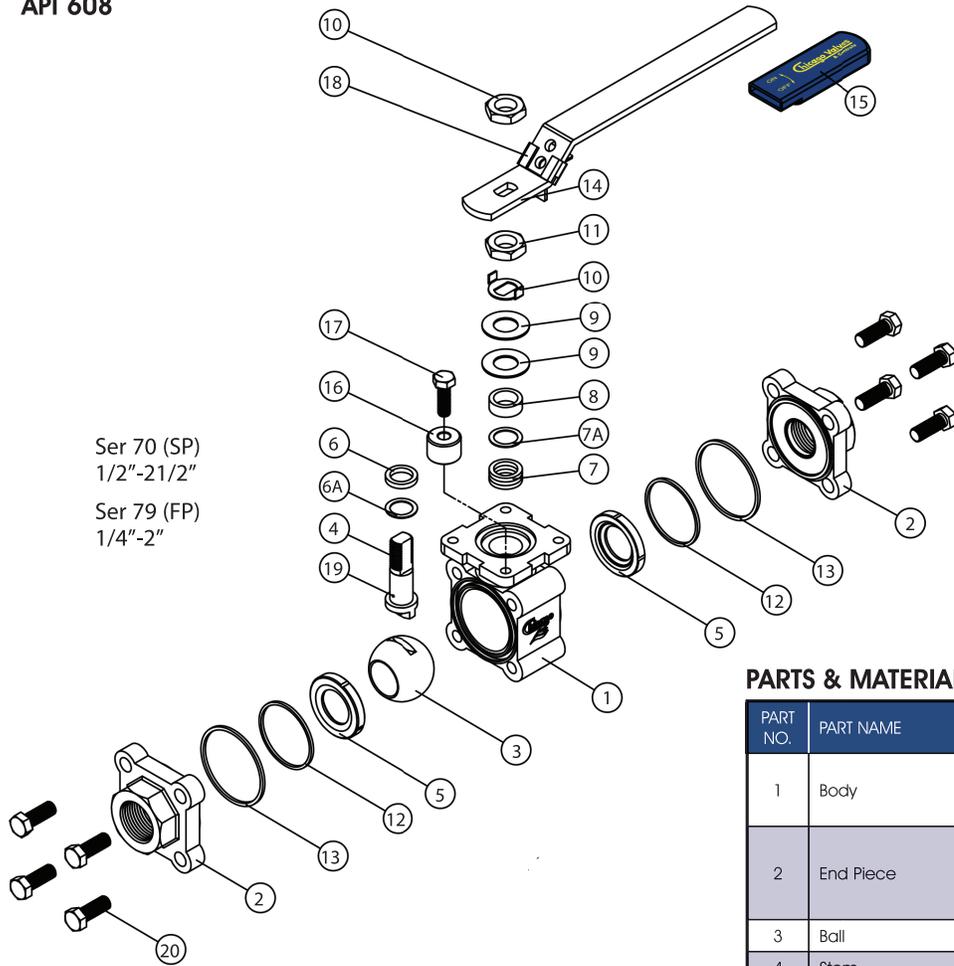


**SERIES HP 70/79**

**3 PIECE BALL VALVE**

HIGH CYCLE STEM PACKING  
 HEAVY DUTY STEM DESIGN  
 FULLY ENCAPSULATED DUEL BODY SEAL  
 FACILITATE WELDING WITHOUT DISASSEMBLY  
 INTEGRAL MOUNTING PAD  
 LOCKABLE HANDLE  
 CHOICE OF SEATS AND SEALS  
 API 608

Series HP 70/79



Ser 70 (SP)  
 1/2"-2 1/2"  
 Ser 79 (FP)  
 1/4"-2"

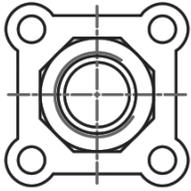
PARTS & MATERIAL

PART NO.	PART NAME	QTY.	MATERIAL
1	Body	1	Carbon Steel ASTM A216 WCB 316 Stainless Steel ASTM A351 CF8M Alloy 20 ASTM A351 CN7M
2	End Piece	2	Carbon Steel ASTM A216 WCB 316 Stainless Steel ASTM A351 CF8M 316L Stainless Steel ASTM A351 CF3M (SW,BW) Alloy 20 ASTM A351 CN7M
3	Ball	1	316 Stainless Steel   Alloy 20
4	Stem	1	316 Stainless Steel   Alloy 20
5	Seat	2	PEEK, DELRIN
6	Thrust Bearing	1	XN
6A		1	PEEK
7	Stem Packing	**	XN, Graphite
7A	Seal Protector	1	PEEK
8	Gland	1	300 Series Stainless Steel
9	Belleville Washer	2	300 Series Stainless Steel
10	Lock Tab	1	300 Series Stainless Steel
11	Packing Nut	1	300 Series Stainless Steel
12	Body Seal	2	TFM
13	Outer Body Seal	2	TFM Graphite
14	Handle	1	300 Series Stainless Steel
15	Handle Sleeve	1	PVC
16	Stopper	1	300 Series Stainless Steel
17	Stopper Bolt	1	300 Series Stainless Steel
18	Locking Device	1	300 Series Stainless Steel
19	Anti-Static Device	2	300 Series Stainless Steel
20	Body Bolt	8/12	B8M

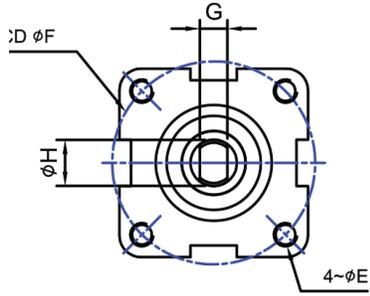
\*\* TFM XN 1/4"-1/2" 2PC  
 1/2"-2 1/2" 3PC

Graphite 1PC (All Sizes)

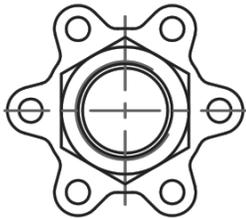
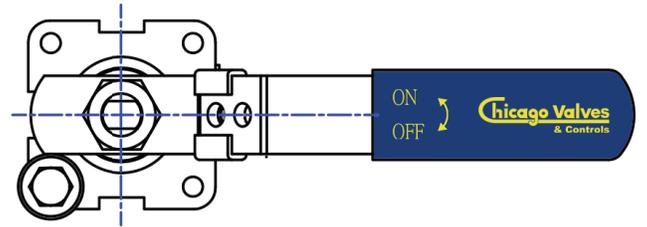
# Series HP 70/79



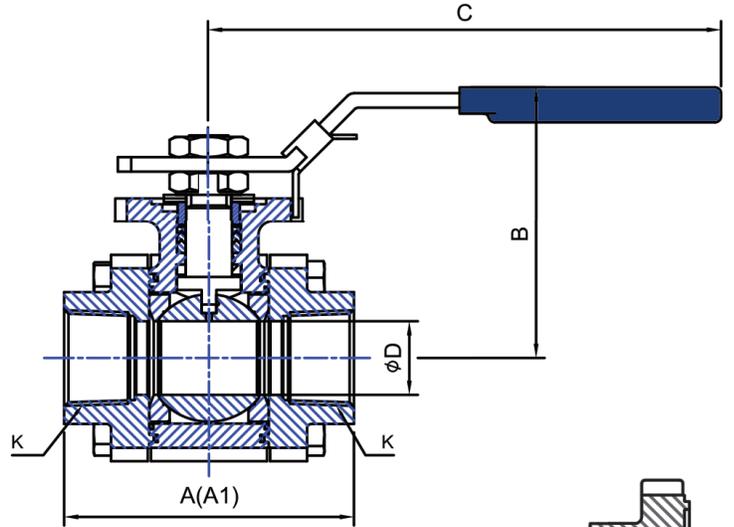
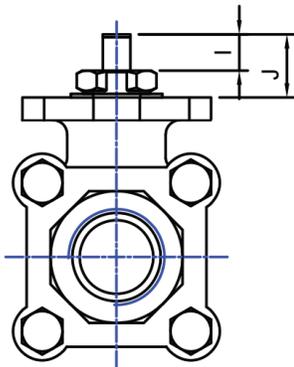
1/2"~2" 70 (SP)  
1/4"~1-1/2" 79 (FP)



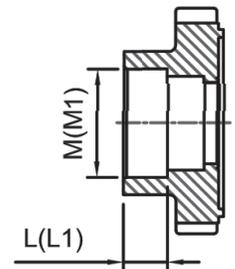
Mounting Dimensions



2-1/2" 70 (SP)  
2" 79 (FP)



1/2"~2 1/2" 70 (SP)  
1/4"~2-1/2" 79 (FP)



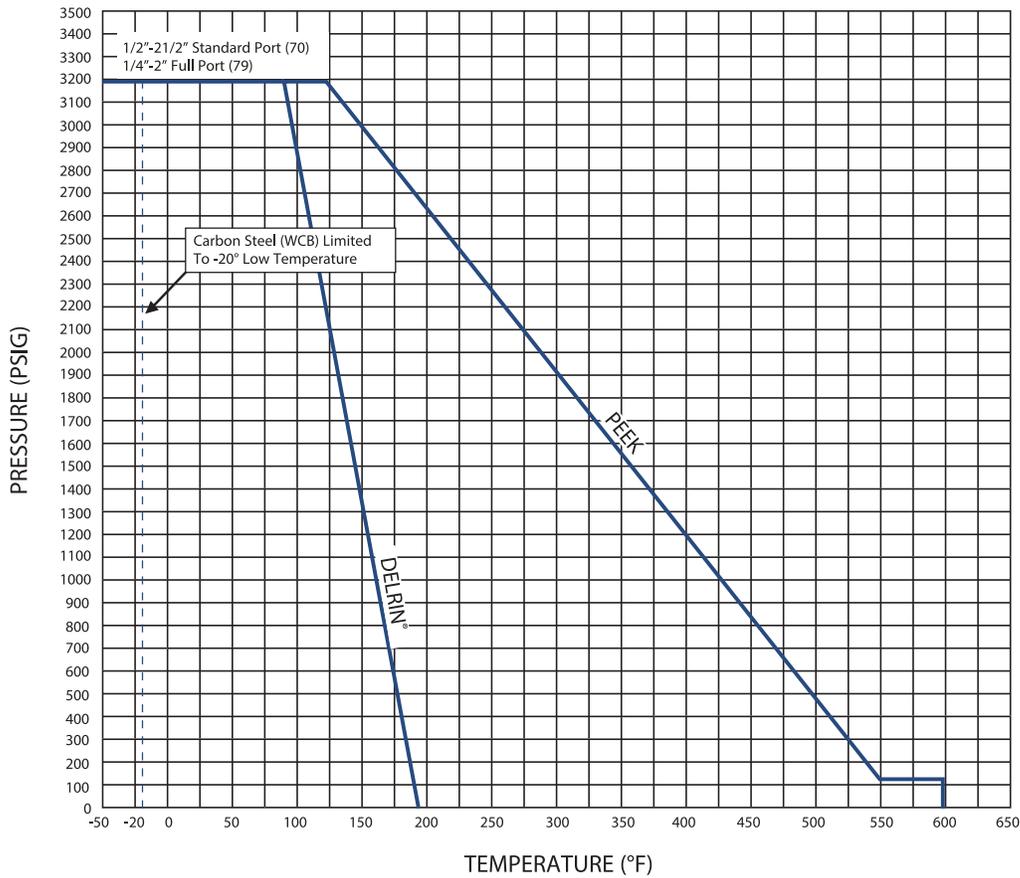
1/2"~2 1/2" 70 (SP)  
1/4"~2-1/2" 79 (FP)

70	WEIGHT (LBS)	79	WEIGHT (LBS)	CV (GPM)
-	-	1/4"	1.90	
1/2"	1.90	3/8"	1.90	13
3/4"	2.50	1/2"	2.40	15
1"	3.70	3/4"	3.50	40
1 1/4"	7.00	1"	6.40	70
1 1/2"	9.25	1 1/4"	8.90	120
2"	13.00	1 1/2"	12.80	240
2 1/2"	19.30	2"	18.75	400

## DIMENSIONS (INCHES)

SIZE	SIZE	70	79	B	C	D	E	F	G	H	I	J	K	70	79	70	79	ISO5211
70	79	A1	A											L1	L	M1	M	
1/2"	3/8"	2.54	2.54	2.58	5.25	0.39	M5X0.8	1.42	0.20	3/8-24UNF	0.24	0.31	NPT	0.50	0.50	0.85	0.69	F03
3/4"	1/2"	2.99	2.99	2.83	6.30	0.56	M5X0.8	1.65	0.25	3/8-24UNF	0.31	0.55	NPT	0.56	0.50	1.07	0.85	F04
1"	3/4"	3.31	3.31	3.03	6.30	0.81	M5X0.8	1.65	0.25	3/8-24UNF	0.31	0.55	NPT	0.63	0.56	1.33	1.07	F04
1 1/4"	1"	3.94	3.94	3.82	9.65	1.00	M8X1.25	2.76	0.37	5/8-18UNF	0.51	0.91	NPT	0.69	0.63	1.68	1.33	F07
1 1/2"	1 1/4"	4.33	4.33	4.02	9.65	1.26	M8X1.25	2.76	0.37	5/8-18UNF	0.55	0.93	NPT	0.75	0.69	1.91	1.68	F07
2"	1-1/2"	5.04	5.04	4.29	10.24	1.50	M8X1.25	2.76	0.47	3/4-16UNF	0.67	1.04	NPT	0.87	0.75	2.41	1.91	F07
2 1/2"	2"	6.06	5.71	4.65	10.24	2.00	M8X1.25	2.76	0.47	3/4-16UNF	0.73	1.10	NPT	0.98	0.87	2.91	2.41	F07

### PRESSURE-TEMPERATURE RATINGS SERIES HP70/79



### HOW TO ORDER SERIES HP70/HP79

1" Size	HP70 Series	6 Body	4 Ends	6 Ball & Stem	D Seat	G Body Seal	X Stem Packing	SW / TE Ends
HP70	SERIES	BODY	ENDS	BALL & STEM	SEAT	BODY SEAL	STEM PACKING	ENDS
HP79	Standard Port	4 Carbon Steel	4 Carbon Steel	6 6-316 Stainless Steel	D DELRIN <sup>®</sup>	G GRAPHITE	X XN	TE TE- Threaded
1/2"	Full Port	6 316 Stainless Steel	6 316 Stainless Steel	6 6-316 Stainless Steel	P PEEK			SW SW- Socket Weld
3/4"								TxS TxS- Threaded by Socket Weld
1"								
1 1/4"								
1 1/2"								
2"								
2 1/2"								



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