

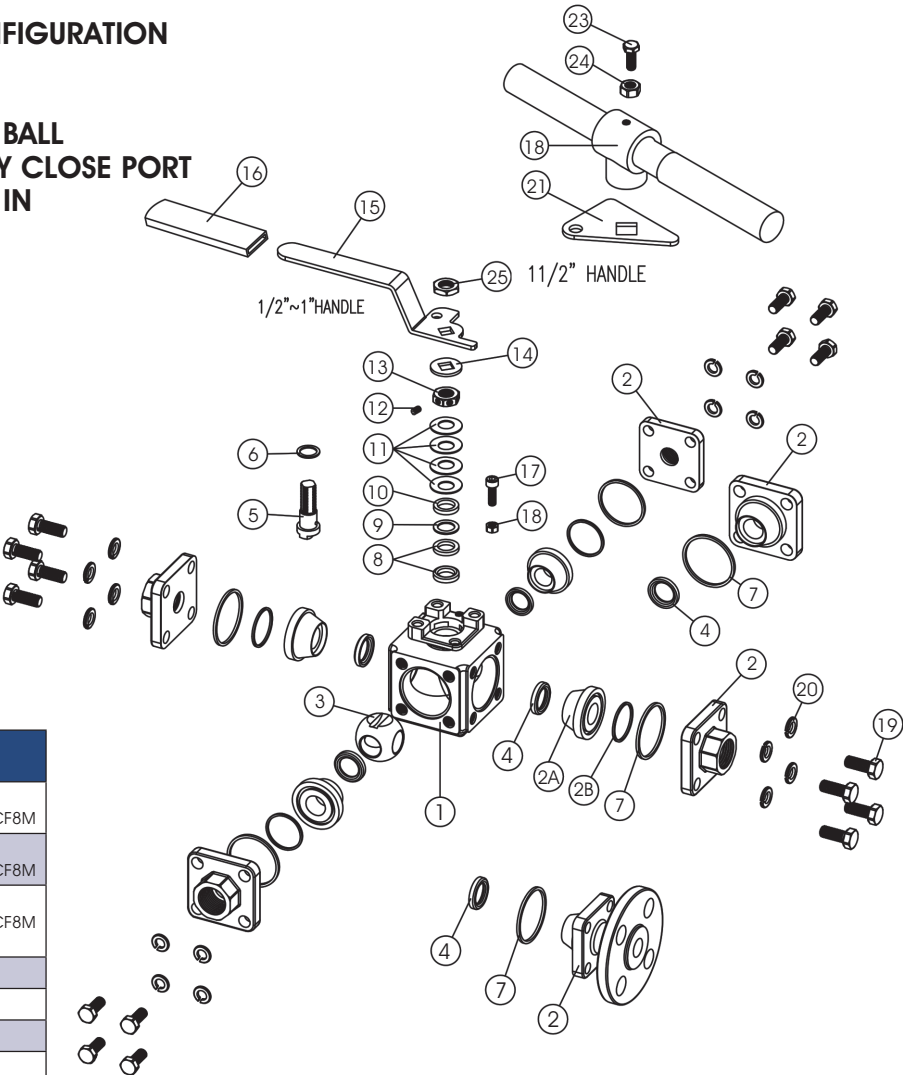
Chicago Valves & Controls



SERIES 17
3 & 4 WAY BALL VALVE

CARBON STEEL ASTM A216 WCB
316 STAINLESS STEEL ASTM A351 CF8M
LIVE LOADED STEM PACKING
BLOWOUT PROOF STEM
AVAILABLE IN T, L, LL & 180° PORT CONFIGURATION
LOCKABLE HANDLE
ISO 5211 MOUNTING PAD
4 SEAT DESIGN SECURELY SUPPORT THE BALL
AND PROVIDE POSITIVE SHUTOFF AT ANY CLOSE PORT
EASY MAINTENANCE SUPPORT SEAT USE IN
THREADED & SOCKET WELD VALVES

Series 17



1/2"-1 1/2"

PARTS & MATERIAL

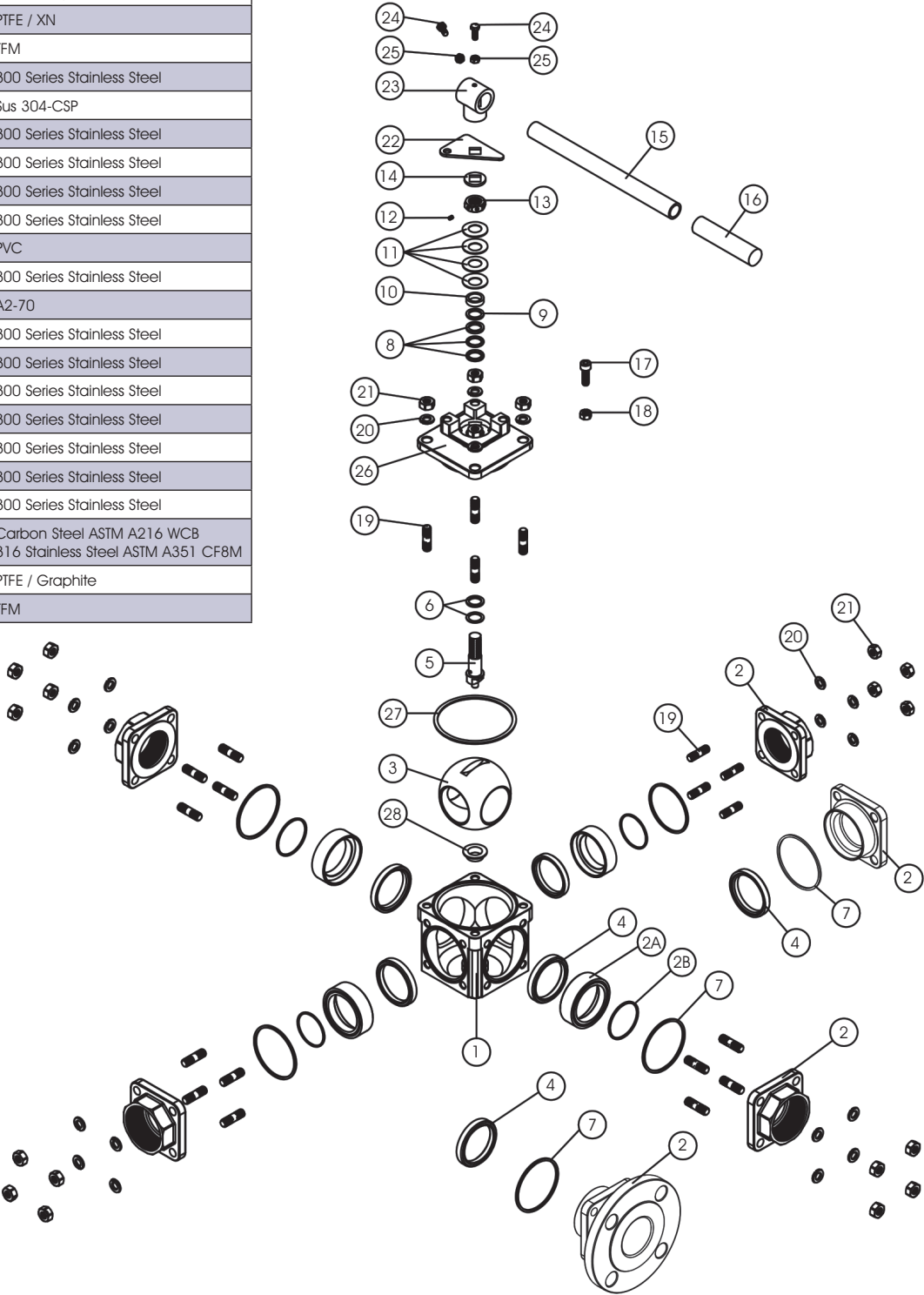
PART NO.	PART NAME	QTY.	MATERIAL
1	Body	1	Carbon Steel ASTM A216 WCB 316 Stainless Steel ASTM A351 CF8M
2	Ends	4	Carbon Steel ASTM A216 WCB 316 Stainless Steel ASTM A351 CF8M
2A	Seat Support (Use in Threaded & Socket Weld Valves)	3/4	316 Stainless Steel ASTM A351 CF8M
2B	Seat Support Seal	3/4	PTFE
3	Ball	1	316 Stainless Steel
4	Seat	4	TFM/XN
5	Stem	1	316 Stainless Steel
6	Lower Thrust Washer	2	TFM
7	Body Seal	4	PTFE / Graphite
8	Stem Packing	1 Set	PTFE / XN
9	Thrust Washer	1	TFM
10	Gland	1	300 Series Stainless Steel
11	Belleville Washer	4	Sus 304-CSP
12	Socket Set Screw	1	300 Series Stainless Steel
13	Stem Nut	1	300 Series Stainless Steel
14	Washer	1	300 Series Stainless Steel
15	Handle	1	300 Series Stainless Steel
16	Handle Sleeve	1	PVC
17	Stop Bolt	1	300 Series Stainless Steel
18	Stop Nut	1	A2-70
19	Bolts	16	300 Series Stainless Steel
20	Bolt Washer	16	300 Series Stainless Steel
21	Stop Plate	1	300 Series Stainless Steel
22	Handle T	1	300 Series Stainless Steel
23	T Bolt	1	300 Series Stainless Steel
24	T Nut	1	300 Series Stainless Steel
25	Handle Nut	1	300 Series Stainless Steel

PARTS & MATERIAL

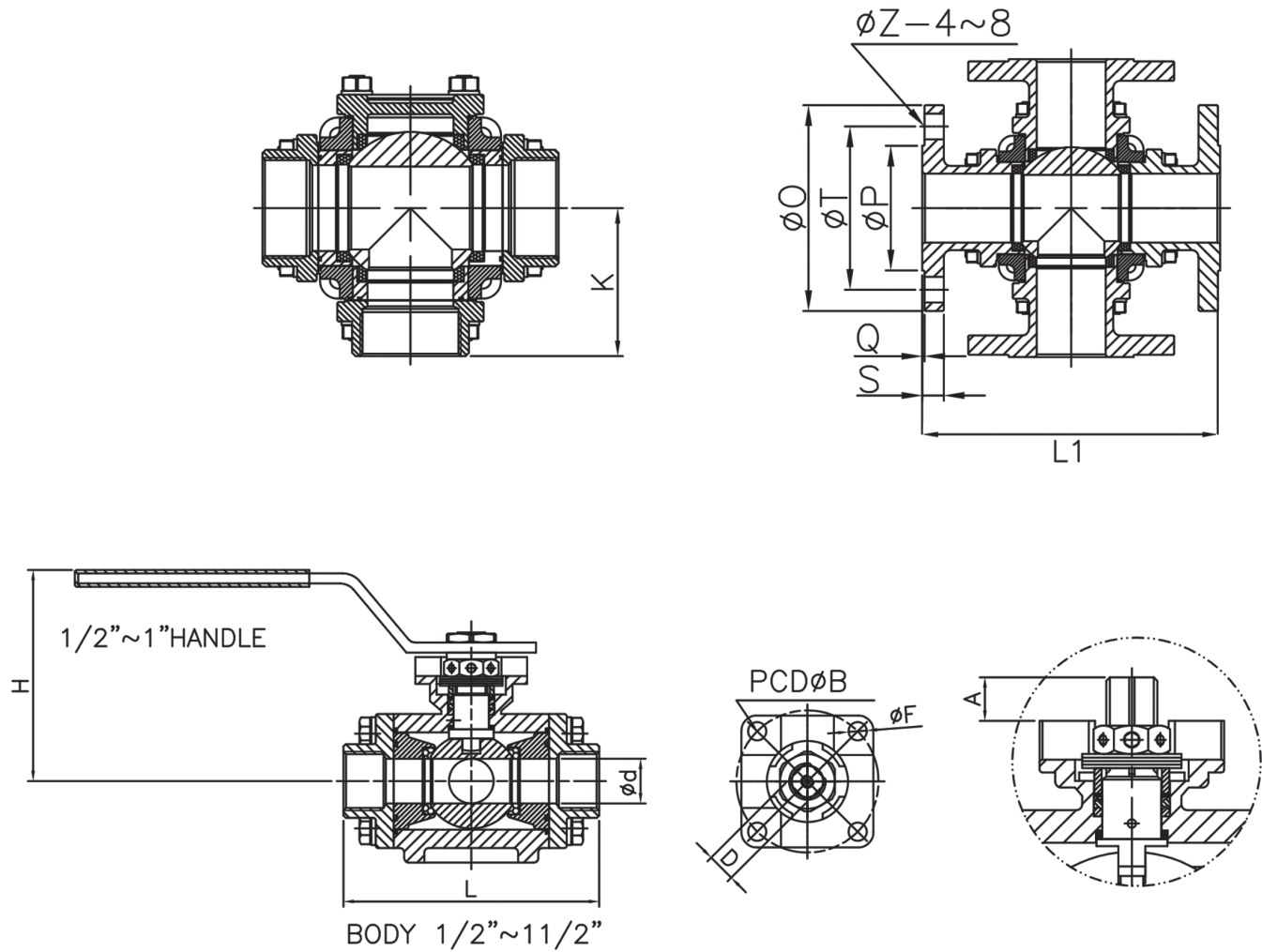
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11	Belleville Washer	4	Sus 304-CSP
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13	Stem Nut	1	300 Series Stainless Steel
14	Washer	1	300 Series Stainless Steel
15	Handle	1	300 Series Stainless Steel
16	Handle Sleeve	1	PVC
17	Stop Bolt	1	300 Series Stainless Steel
18	Stop Nut	1	A2-70
19	Stud	20/28	300 Series Stainless Steel
20	Stud Washer	20/28	300 Series Stainless Steel
21	Stud Nut	20/28	300 Series Stainless Steel
22	Stop Plate	1	300 Series Stainless Steel
23	Handle T	1	300 Series Stainless Steel
24	Handle Bolt	1	300 Series Stainless Steel
25	Handle Nut	1	300 Series Stainless Steel
26	Body Cove	1	Carbon Steel ASTM A216 WCB 316 Stainless Steel ASTM A351 CF8M
27	Body Cove Seal	1	PTFE / Graphite
28	Ball Support Bushing	1	TFM

Series 17

2"-4"



Series 17



DIMENSIONS (INCHES)

SIZE	ϕd	L^*	$L1^{**}$	K^{***}	$K1^{****}$	E	H	D	A	ϕB	ϕF	ϕP	ϕT	ϕO	Q	S	ϕZ
1/2"	0.610	4.205	5.835	2.102	2.917	5.276	3.189	0.354	0.354	1.654	0.236	1.378	2.382	3.504	0.063	0.441	0.630
3/4"	0.787	4.508	6.059	2.254	3.030	6.969	3.740	0.433	0.433	1.969	0.276	1.693	2.756	3.858	0.063	0.441	0.630
1"	0.984	5.299	6.630	2.650	3.315	6.969	3.898	0.433	0.433	1.969	0.276	2.008	3.130	4.252	0.063	0.441	0.630
1 1/2"	1.496	6.606	8.362	3.303	4.181	9.252	5.158	0.551	0.591	2.756	0.354	2.874	3.878	5.000	0.063	0.559	0.630

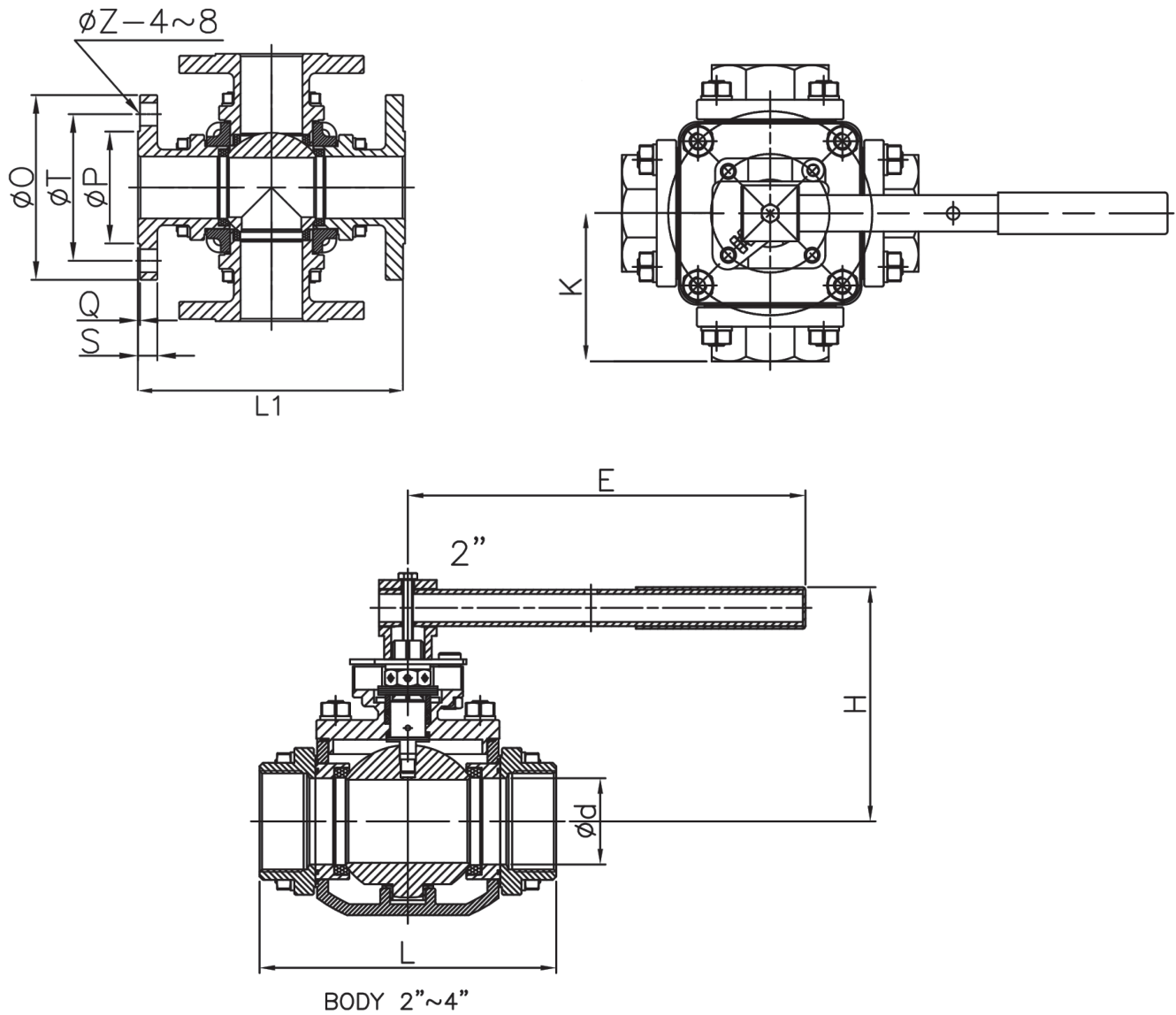
L^* Threaded Valve

$L1^{**}$ 150# Flanged Valve

K^{***} Center To Center Threaded Valve

$K1^{****}$ Center To Center Flanged Valve

Series 17



DIMENSIONS (INCHES)

SIZE	ϕd	L^*	$L1^{**}$	K^{***}	$K1^{****}$	E	H	D	A	ϕB	ϕF	ϕP	ϕT	ϕO	Q	S	ϕZ
2"	2.008	6.890	8.661	3.445	4.331	9.252	5.433	0.551	0.602	2.756	0.354	3.622	4.748	5.984	0.063	0.626	0.748
2 1/2"	2.559	9.421	11.232	4.711	5.616	18.780	7.480	0.669	1.047	4.016	0.472	4.134	5.492	7.008	0.063	0.689	0.748
3"	2.992	9.445	11.217	4.711	5.608	18.780	7.480	0.669	1.047	4.016	0.472	5.000	6.000	7.520	0.063	0.752	0.748
4"	3.937	11.378	13.661	5.689	6.831	22.717	8.465	0.866	1.201	4.016	0.472	6.181	7.500	9.016	0.063	0.941	0.748

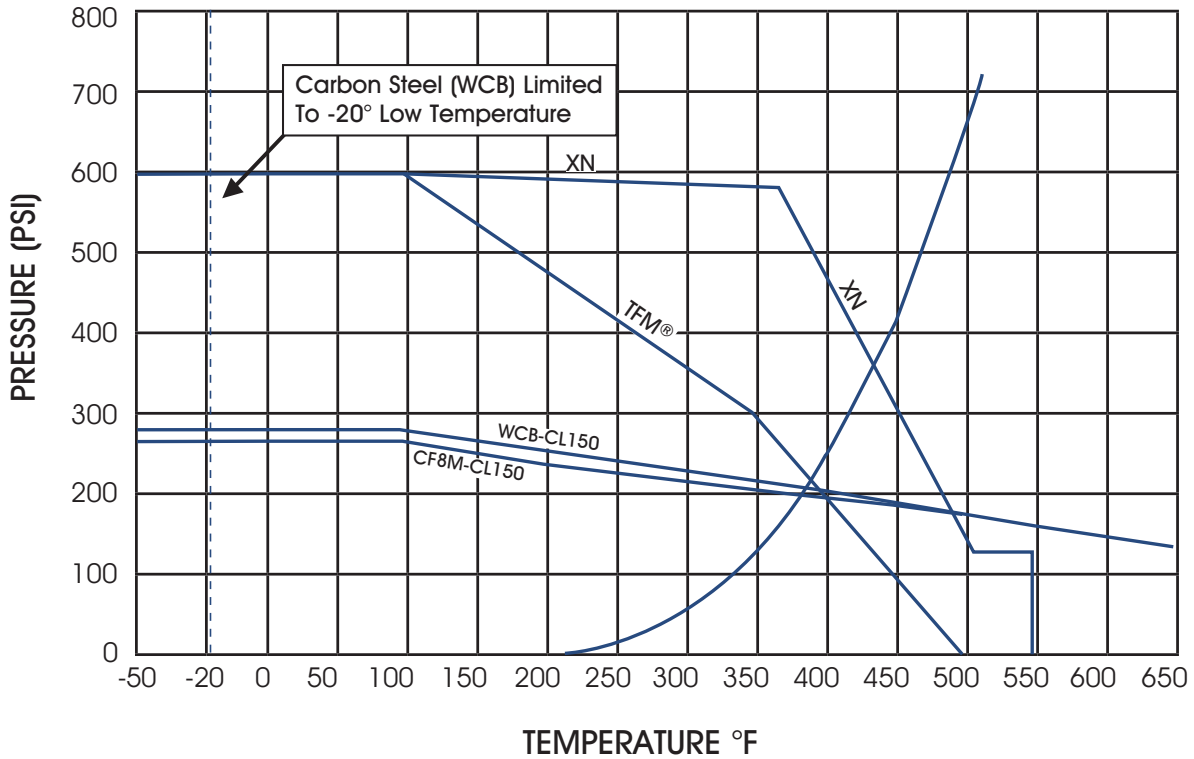
L^* Threaded Valve

$L1^{**}$ 150# Flanged Valve

K^{***} Center To Center Threaded Valve

$K1^{****}$ Center To Center Flanged Valve

PRESSURE-TEMPERATURE RATINGS SERIES 17



CV DATA

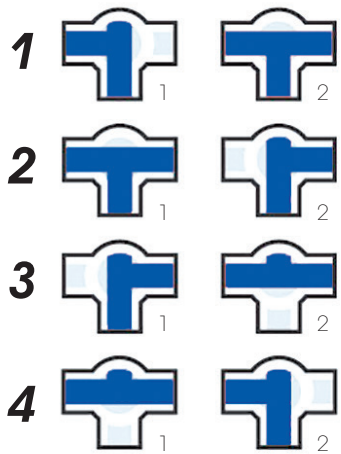
Size	T Port	L Port	LL Cv	180° Degree-CV
1/2"	13	8	8	10
3/4"	22	13	12	14
1"	35	21	22	25
1-1/2"	85	49	46	52
2"	160	93	95	105
2-1/2"	267	154	137	150
3"	365	211	220	250
4"	649	375	366	420

APPROXIMATE WEIGHT (LBS)

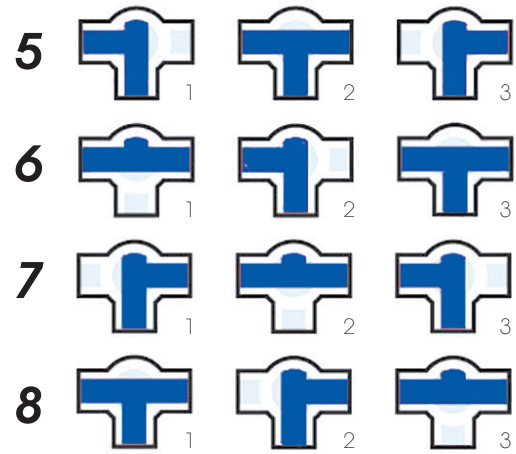
Size	Body	Threaded Socket Weld Butt Weld	Flanged End	Blind End
			150lb	
1/2"	2.00	0.60	1.60	0.50
3/4"	2.50	0.80	2.00	0.50
1"	3.10	1.30	2.70	0.95
1-1/2"	5.50	1.80	5.00	1.65
2"	5.50	2.70	6.00	1.90
2-1/2"	8.20	3.50	10.00	3.00
3"	11.50	4.00	11.00	3.20
4"	21.50	6.00	21.90	8.30

FLOW CHART

T-Port 90°



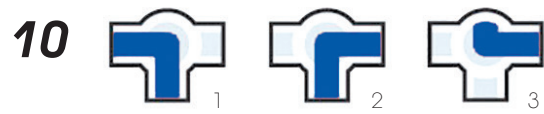
T-Port 180°



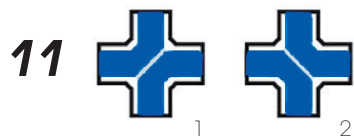
L-Port 90°



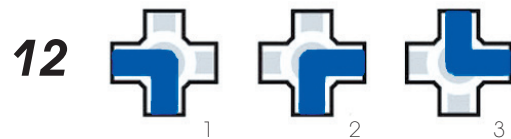
L-Port 180°



LL-Port 90°



L-Port 180°



T-Port 270°



4-Way 90°



HOW TO ORDER

2"	17	6	6	M	T	T	6	4	1
Size	Series	Body	Ball & Stem	Seat	Stem Packing	Seal	Ends	Flow Plan	End Cap Type

SIZE	SERIES	BODY	BALL & STEM	SEAT	STEM PACKING
1/2"	17	4 Carbon Steel	6 316 Stainless Steel	M TFM	T PTFE
3/4"		6 316 Stainless Steel		X XN**	X XN
1"				C Cavity Fill TFM	
1 1/2"					

SEAL	ENDS	FLOW PLAN	END CAP TYPE
T PTFE	4 Carbon Steel	1 8	1 150# RF Flange
G Graphite	6 316 Stainless Steel	2 9	3 300# RF Flange*
		3 10	4 Threaded Ends***
		4 11	5 Socket Weld***
		5 12	6 Butt Weld Sch, 10, 40, 80***
		6 13	
		7 14	

*300 Flange Valve rate to 600psi

**XN Carbon Fill TFM

***Valves assemble with seat support for easy maintenance

Chicago Valves
& Controls



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