



TRUNNION MOUNTED BALL VALVES

EFFECTIVE FROM 01-04-2025 DOCUMENT REF : LTVL/TMBV/APR2025

COMPLYING STD	
DESIGN STD	API 6D
FACE TO FACE	API 6D/ASME B 16.10
TESTING STD	API 598 /API 6D
END CONNECTION	ASME B 16.5

2 PC - Full Bore - Soft Seated - Flanged Ends - Non Nace - Gear operated

Class 150 - RPTFE seat

Body	Ball	Seat ring	Stem	2*	3*	4*	6	8	10	12	14	16	18	20	24
WCB															
	A105+ENP	F6a	F6a	49,860	68,508	1,23,666	2,64,494	3,92,882	5,28,884	7,09,556	9,56,786	11,99,062	15,33,078	19,23,328	27,81,652
	F304	F304	F316	55,830	75,642	1,35,022	3,06,430	4,78,118	6,63,306	9,22,346	12,44,590	16,15,338	21,38,974	28,14,586	41,96,752
	F316	F316	F316	60,260	82,404	1,49,402	3,43,684	5,45,978	7,67,056	10,85,068	14,60,968	18,95,552	25,53,606	33,64,484	50,85,094
	F6A	F6A	F6A	50,714	67,976	1,24,562	2,74,888	4,17,336	5,79,948	8,04,396	10,95,632	14,00,830	18,44,186	23,91,380	35,80,730
LCB															
	F316	F316	F316	61,432	84,232	1,65,222	3,70,118	5,87,664	8,10,804	11,66,546	15,17,980	20,17,914	26,49,200	35,29,286	53,12,744
CF8															
	F304	F304	F316	76,918	1,05,084	1,75,374	4,63,704	7,01,144	10,09,656	13,89,416	18,93,144	24,04,010	31,25,492	39,83,186	59,39,540
	F316	F316	F316	81,010	1,11,672	1,89,346	4,93,288	7,63,742	11,07,830	15,44,270	20,96,526	26,84,224	35,40,122	45,33,082	68,27,882
CF8M															
	F316	F316	F316	85,988	1,19,624	2,01,036	5,59,586	8,33,504	12,08,496	16,85,666	22,83,882	29,17,946	38,40,694	48,56,178	73,12,524

*Lever operated offered for 2", 3", 4" in Class 150

Class 300 - RPTFE seat

Body	Ball	Seat ring	Stem	2*	3*	4	6	8	10	12	14	16	18	20	24
WCB															
	A105+ENP	F6a	F6a	55,404	79,400	1,79,902	2,91,150	5,16,532	6,65,770	8,81,206	11,01,460	14,38,100	17,70,742	23,20,258	32,51,550
	F304	F304	F316	61,500	86,536	1,98,426	3,30,908	6,03,824	8,04,552	11,00,206	13,97,858	18,65,942	23,93,314	32,11,704	47,02,912
	F316	F316	F316	65,928	93,296	2,15,020	3,68,424	6,72,756	9,09,330	12,64,008	16,15,024	21,46,156	28,07,946	37,56,298	55,91,256
	F6A	F6A	F6A	56,258	78,868	1,80,856	3,01,548	5,40,986	7,16,838	9,76,046	12,40,300	16,39,872	20,81,848	27,81,836	40,50,624
LCB															
	F316	F316	F316	67,422	95,778	2,34,178	3,97,556	7,24,500	9,64,246	13,55,582	16,81,604	22,93,604	29,31,300	39,48,078	58,65,874
CF8															
	F304	F304	F316	87,020	1,25,030	2,71,998	5,08,982	9,10,042	12,67,054	17,23,114	21,98,248	28,67,540	36,47,002	47,70,706	71,21,066
	F316	F316	F316	91,112	1,31,614	2,88,148	5,38,828	9,72,640	13,65,230	18,77,968	24,01,628	31,47,756	40,61,634	53,15,298	80,09,406
CF8M															
	F316	F316	F316	98,124	1,43,742	3,12,834	6,19,288	10,69,080	15,04,262	20,68,856	26,46,120	34,53,824	44,49,184	57,69,510	87,46,172

*Lever operated offered for 2", 3" in Class 300

Class 600 - PEEK seat															
Body	Ball	Seat ring	Stem	2*	3	4	6	8	10	12	14	16	18	20	24
WCB															
	A105+ENP	F6a	F6a	89,806	1,73,562	2,40,048	3,97,688	6,62,672	9,30,688	12,78,136	15,52,168	19,46,982	25,09,830	32,13,328	47,49,052
	F51	F316	F316	1,00,470	1,93,320	2,69,492	4,91,342	8,39,590	12,20,630	17,46,802	21,92,048	28,04,912	37,91,938	49,86,732	76,46,998
	F6A	F6A	F6A	90,972	1,73,062	2,40,640	4,08,088	6,87,120	9,83,696	13,75,566	16,93,598	21,51,986	28,22,054	36,81,378	55,61,074
LCB															
	F51	F316	F316	1,02,594	2,01,604	2,92,656	5,24,342	8,99,812	12,97,056	18,68,408	22,91,278	29,94,234	39,69,294	52,42,910	80,34,596
CF8															
	F51	F316	F316	1,32,618	2,63,120	3,97,228	7,52,762	13,06,404	19,35,402	27,25,170	33,45,842	43,68,564	57,57,014	73,43,552	1,14,32,388
CF8M															
	F51	F316	F316	1,41,722	2,83,262	4,36,854	8,53,776	14,46,286	21,61,418	30,27,952	37,27,724	48,82,828	63,70,322	80,96,526	1,26,35,002
*Lever operated offered for 2" in Class 600															

2 PC - Full Bore - Soft Seated - Flanged Ends - Nace - Gear operated

Class 150 - RPTFE seat															
Body	Ball	Seat ring	Stem	2*	3*	4*	6	8	10	12	14	16	18	20	24
WCB															
	A105+ENP	F6a	F6a	50,204	69,072	1,24,374	2,67,404	3,97,310	5,35,514	7,19,052	9,69,010	12,15,574	15,53,878	19,47,942	28,17,264
	F304	F304	F316	56,176	76,204	1,35,728	3,09,342	4,87,810	6,75,506	9,39,716	12,69,810	16,31,852	21,59,778	28,39,196	42,32,360
	F316	F316	F316	60,604	82,966	1,50,110	3,46,596	5,50,400	7,73,682	10,94,574	14,73,192	19,12,068	25,74,408	33,89,098	51,20,702
	F6A	F6A	F6A	51,060	68,532	1,25,270	2,77,800	4,21,758	5,86,576	8,13,896	11,07,856	14,17,348	18,64,984	24,15,992	36,16,340
LCB															
	F316	F316	F316	61,918	84,936	1,66,300	3,74,426	5,93,490	8,20,330	11,79,790	15,37,692	20,41,912	26,58,338	35,63,256	54,78,736
CF8															
	F304	F304	F316	77,276	1,05,662	1,76,150	4,66,774	7,05,732	10,16,468	13,99,194	19,05,914	24,21,072	31,46,930	40,08,484	59,75,878
	F316	F316	F316	81,372	1,12,252	1,90,122	4,96,360	7,68,328	11,14,646	15,54,048	21,09,298	27,01,288	35,61,562	45,58,378	68,64,220
CF8M															
	F316	F316	F316	86,346	1,20,202	2,01,812	5,62,660	8,38,090	12,15,306	16,95,444	22,96,658	29,46,250	38,68,892	49,24,156	73,82,788
*Lever operated offered for 2", 3", 4" in Class 150															
Class 300 - RPTFE seat															
Body	Ball	Seat ring	Stem	2*	3*	4	6	8	10	12	14	16	18	20	24
WCB															
	A105+ENP	F6a	F6a	55,886	80,248	1,81,604	2,95,066	5,22,346	6,74,938	8,93,750	11,17,822	14,59,232	17,97,180	23,54,128	33,05,936
	F304	F304	F316	61,980	87,382	2,00,126	3,34,824	6,15,978	8,20,322	11,21,702	14,28,010	18,87,070	24,19,750	32,45,572	47,57,298
	F316	F316	F316	66,410	94,142	2,16,728	3,72,338	6,78,568	9,18,496	12,76,552	16,31,386	21,67,282	28,34,378	37,90,168	56,45,636
	F6A	F6A	F6A	56,738	79,712	1,82,560	3,05,462	5,46,796	7,26,004	9,88,588	12,56,666	16,61,000	21,08,284	28,15,704	41,05,012
LCB															
	F316	F316	F316	68,134	96,906	2,36,548	4,03,488	7,32,950	9,76,310	13,75,612	17,05,456	23,24,714	29,71,362	39,95,578	59,46,704
CF8															
	F304	F304	F316	87,532	1,25,906	2,73,784	5,13,084	9,16,434	12,76,404	17,36,206	22,15,160	28,89,402	36,74,398	48,05,532	71,75,182
	F316	F316	F316	91,622	1,32,496	2,89,934	5,42,928	9,79,028	13,74,580	18,91,064	24,18,544	31,69,618	40,89,028	53,50,124	80,63,522
CF8M															
	F316	F316	F316	98,634	1,44,622	3,14,620	6,23,390	10,75,468	15,13,614	20,81,950	26,63,036	34,86,924	44,82,658	58,47,016	88,35,424
*Lever operated offered for 2", 3" in Class 300															

Class 600 - PEEK seat															
Body	Ball	Seat ring	Stem	2*	3	4	6	8	10	12	14	16	18	20	24
WCB															
	A105+ENP	F6a	F6a	90,418	1,74,936	2,42,880	4,03,022	6,71,862	9,45,700	12,98,580	15,78,452	19,79,808	25,50,800	32,65,870	48,32,832
	F51	F316	F316	1,01,084	1,94,694	2,72,326	4,96,674	8,48,778	12,35,636	17,67,244	22,18,332	28,37,740	38,32,906	50,39,274	77,30,782
	F6A	F6A	F6A	91,586	1,74,436	2,43,474	4,13,418	6,96,312	9,98,708	13,96,006	17,19,882	21,84,816	28,63,024	37,33,922	56,44,858
LCB															
	F51	F316	F316	1,03,506	2,03,618	2,96,498	5,31,310	9,11,502	13,15,678	19,02,894	23,24,544	30,48,356	40,35,818	53,21,006	81,70,522
CF8															
	F51	F316	F316	1,33,276	2,64,570	4,00,094	7,58,242	13,15,826	19,50,694	27,45,722	33,72,146	44,02,888	57,99,786	73,97,890	1,15,17,364
CF8M															
	F51	F316	F316	1,42,380	2,84,712	4,39,722	8,59,258	14,55,708	21,76,712	30,48,502	37,54,030	49,01,348	64,15,642	81,73,898	1,27,40,202
*Lever operated offered for 2" in Class 600															

2 PC - Reduced Bore - Soft Seated - Flanged Ends - Non Nace - Gear operated

Class 150 - RPTFE seat														
Body	Ball	Seat ring	Stem	3 x 2*	4 x 3*	6 x 4	8 x 6	10 x 8	12 x 10	14 x 10	16 x 12	18 x 14	20 x 16	24 x 20
WCB														
	A105+ENP	F6a	F6a	56,528	92,062	1,76,204	2,93,580	4,18,050	5,79,284	6,43,142	8,10,910	10,74,080	13,14,944	19,77,180
	F304	F304	F316	61,538	97,436	1,87,846	3,31,096	4,93,832	7,03,582	7,67,442	10,08,938	13,42,228	16,99,146	28,12,786
	F316	F316	F316	67,276	1,05,174	2,05,734	3,66,252	5,60,046	8,04,138	8,67,996	11,85,376	15,32,366	19,98,076	33,88,770
	F6A	F6A	F6A	57,386	91,532	1,77,162	3,03,974	4,42,500	6,30,348	6,94,208	9,05,752	12,12,922	15,16,714	24,45,232
LCB														
	F316	F316	F316	68,972	1,07,504	2,26,672	3,93,474	6,04,316	8,50,808	9,20,652	12,74,798	15,97,026	21,27,622	35,66,550
CF8														
	F304	F304	F316	87,600	1,33,640	2,84,672	5,01,932	7,55,236	10,88,604	12,45,572	15,71,044	21,05,200	26,12,130	42,13,886
	F316	F316	F316	93,002	1,41,202	3,02,116	5,29,420	8,16,182	11,83,592	13,40,552	17,39,614	22,82,340	28,99,822	47,47,190
CF8M														
	F316	F316	F316	1,01,384	1,52,358	3,34,398	5,83,230	9,00,150	13,02,514	14,88,984	19,23,020	25,11,206	31,83,454	51,84,070
*Lever operated offered for 3 x 2", 4 x 3" in Class 150														
Class 300 - RPTFE seat														
Body	Ball	Seat ring	Stem	3 x 2*	4 x 3	6 x 4	8 x 6	10 x 8	12 x 10	14 x 10	16 x 12	18 x 14	20 x 16	24 x 20
WCB														
	A105+ENP	F6a	F6a	68,750	1,39,614	2,07,616	3,15,770	5,24,362	7,09,038	7,78,874	9,77,812	12,73,950	15,68,826	24,09,712
	F304	F304	F316	73,888	1,44,988	2,22,164	3,50,940	6,02,204	8,37,698	9,07,526	11,82,038	15,50,700	19,64,590	32,45,508
	F316	F316	F316	79,626	1,52,726	2,37,300	3,91,438	6,69,484	9,39,280	10,09,114	13,59,558	17,41,622	22,63,520	38,16,182
	F6A	F6A	F6A	69,610	1,39,080	2,08,572	3,26,164	5,48,810	7,60,106	8,29,938	10,72,652	14,12,788	17,70,598	28,71,286
LCB														
	F316	F316	F316	81,962	1,55,788	2,60,620	4,22,416	7,24,356	9,96,646	10,74,696	14,63,262	18,20,914	24,23,968	40,28,000
CF8														
	F304	F304	F316	1,09,420	1,91,734	3,50,462	5,61,186	9,51,546	13,38,408	15,27,940	19,48,714	25,31,410	31,62,482	51,02,592
	F316	F316	F316	1,14,822	1,99,300	3,65,148	5,94,014	10,12,500	14,33,394	16,22,922	21,17,284	27,08,548	34,50,174	56,30,588
CF8M														
	F316	F316	F316	1,27,274	2,15,184	4,10,314	6,67,422	11,27,348	15,93,308	18,19,416	23,73,744	30,21,840	38,38,976	62,35,864
*Lever operated offered for 3 x 2" in Class 300														

Class 600 - PEEK seat														
Body	Ball	Seat ring	Stem	3 x 2	4 x 3	6 x 4	8 x 6	10 x 8	12 x 10	14 x 10	16 x 12	18 x 14	20 x 16	24 x 20
WCB														
	A105+ENP	F6a	F6a	1,07,352	1,84,798	2,87,864	4,58,462	7,30,134	10,19,266	10,55,408	14,10,714	18,48,806	22,48,192	35,74,782
	F51	F316	F316	1,20,210	2,02,836	3,21,376	5,57,108	8,96,044	12,95,644	13,31,788	18,78,328	24,42,794	30,92,766	53,08,174
	F6A	F6A	F6A	1,08,594	1,84,268	2,88,496	4,68,860	7,54,582	10,72,274	11,08,420	15,08,146	19,90,240	24,53,202	40,42,834
LCB														
	F51	F316	F316	1,22,530	2,14,542	3,51,230	5,95,348	9,65,632	14,11,754	14,16,790	20,13,474	25,68,132	33,10,796	56,02,752
CF8														
	F51	F316	F316	1,56,950	3,09,570	5,25,150	8,97,322	14,96,356	20,56,338	21,71,766	30,45,034	39,73,204	50,66,074	81,97,064
CF8M														
	F51	F316	F316	1,69,218	3,42,378	5,93,748	10,27,166	16,86,586	22,95,000	24,44,254	34,22,306	44,89,612	57,17,892	91,79,698