

SERIES 760005 STAINLESS STEEL BALL VALVE

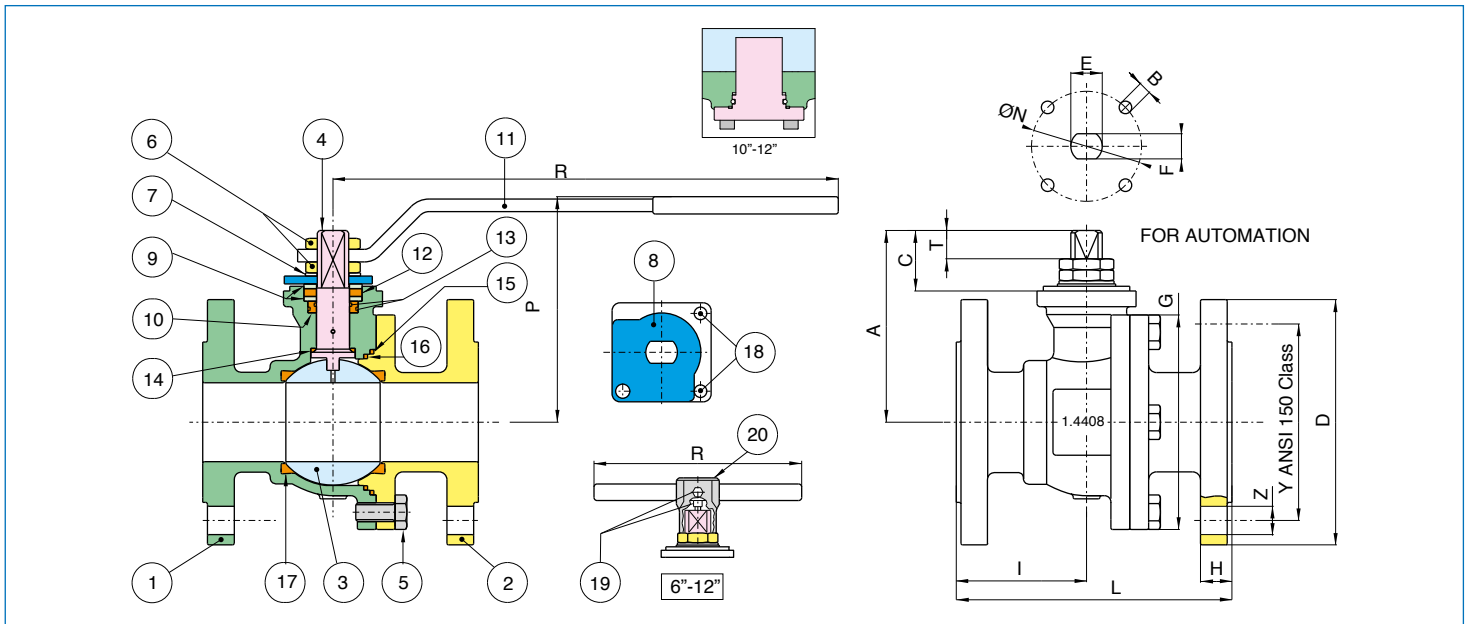


Stainless steel, ANSI class 150 flanged ends ball valve.

- Full port, sizes 1/2" to 12" (10" and 12" TRUNNION).
- Blow out proof stem, adjustable stem packing.
- P.T.F.E. seats, packing and thrust washer.
- Standard grounded stem and ball.
- 100% tested.
- PED 97/23/CE.
- Standard locking device.
- Temperature range -4° F to 366° F.
- ANSI B16.5, B16.10, B16.34 design.
- FIRE SAFE API 6FA-API 607 4th edition.
- Antistatic device.

760021: STEAM SERVICE TRIM

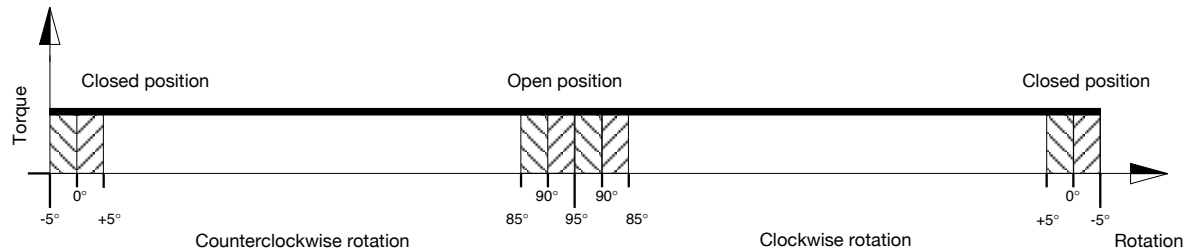
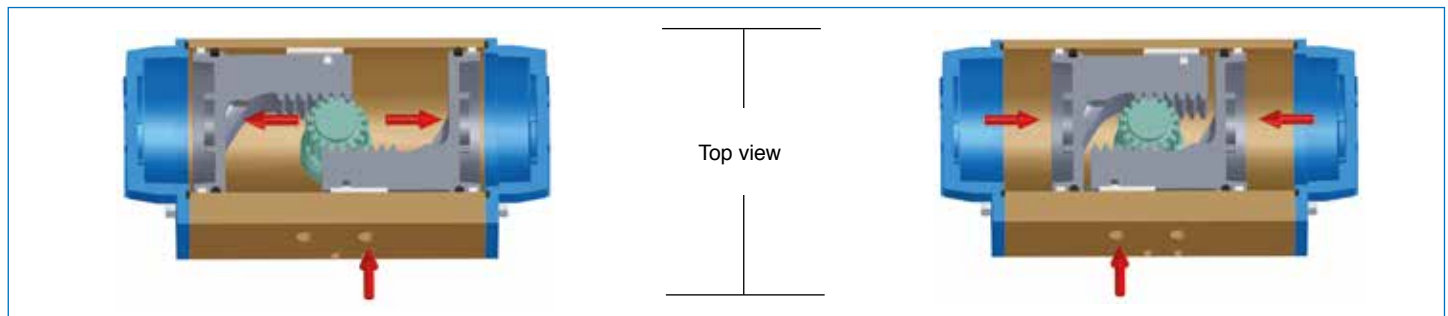
COMPLIES WITH NACE MR 0175/ISO 15156 AND NACE MR 0103.



N Pcs	PART NAME	MATERIAL	N Pcs	SIZE	D	Y	Z	H	I	L	G	P	R	A	C	T	E	F	ØN	B	Cv	Lbs
1	BODY	A351 CF8M	1	1/2"	3.54	2.38	4xØ0.63	0.45	1.83	4.25	2.80	3.46	5.16	2.05	0.75	0.31	M10	0.28	1.65-F04	M5	18.95	4.21
2	END CONNECTION	A351 CF8M	1	3/4"	3.94	2.76	4xØ0.63	0.51	2.09	4.61	2.89	3.66	5.16	2.20	0.75	0.31	M10	0.28	1.65-F04	M5	34.30	5.36
3	BALL	A276-316/A351-CF8M	1	1"	4.33	3.13	4xØ0.63	0.57	2.34	5.00	3.56	3.50	6.85	2.85	1.08	0.51	M12	0.31	1.97-F05	M6	50.00	8.15
4	STEM	A276-316	1	1 1/2"	5.12	3.88	4xØ0.63	0.69	3.03	6.50	4.49	5.24	9.84	4.17	1.18	0.39	M16	0.39	1.97-F05	M6	267.44	15.65
5	SCREW	STAINLESS STEEL	4	2"	5.91	4.74	4xØ0.75	0.77	3.39	7.01	5.37	5.67	12.64	4.80	1.52	0.71	M20	0.55	2.76-F07	M8	308.14	23.80
6	NUT	STAINLESS STEEL	2	3"	7.48	6.00	4xØ0.75	0.94	3.13	7.99	7.03	6.81	15.00	5.94	1.69	0.71	M24	0.71	4.02-F10	M10	1015.12	47.61
7	SPRING WASHER	STEEL	2	4"	9.06	7.50	8xØ0.75	0.94	4.33	9.02	8.21	7.36	15.00	6.50	1.69	0.71	M24	0.71	4.02-F10	M10	1616.28	67.00
8	TRAVEL STOP	STAINLESS STEEL	1	5"	10.04	8.50	8xØ0.87	1.00	5.91	14.02	10.75	8.23	15.00	7.36	1.69	0.71	M24	0.71	4.02-F10	M10	1984.88	112.84
9	PACKING GLAND	STAINLESS STEEL	2	6"	11.02	9.51	8xØ0.87	1.00	7.13	15.51	12.24	12.01	27.56	9.65	2.68	1.08	M42	1.18	4.92-F12	M12	2353.49	171.91
10	STEM SEAL	P.T.F.E.	1	8"	13.58	11.75	8xØ0.87	1.14	8.35	17.99	15.83	13.70	27.56	11.34	2.68	1.08	M42	1.18	4.92-F12	M12	3162.79	274.62
11	HANDLE	STAINLESS STEEL	1	10" *	15.94	14.25	12xØ1.02	1.27	11.88	20.98	19.69	16.61	47.24	13.90	3.19	1.85	M52	1.50	5.51-F14	M16	9883.72	429.78
12	STEM SEAL	GRAPHOIL	1	12" *	19.09	17.00	12xØ1.02	1.33	13.93	24.02	22.05	17.80	47.24	15.12	3.19	1.85	M52	1.50	5.51-F14	M16	16279.07	559.82
13	O-RING	FKM (Viton®)	2																			
14	THRUST WASHER	P.T.F.E.	1																			
15	SEAL	GRAPHOIL	1																			
16	SEAL	P.T.F.E.	1																			
17	BALL SEATS	P.T.F.E.	2																			
18	SCREW	STAINLESS STEEL	2																			
19	SCREW	STAINLESS STEEL	2																			
20	BODY HANDLE	CAST IRON	1																			

* TRUNNION max Δp= 145 psi

DOUBLE ACTING ACTUATOR



With reference to the above diagram it can be noted that the torque of a double acting actuator remains constant through-out the complete action.

The user can decide on which model to choose according to the own specific requirements, using the following guidelines:

1. Define the maximum torque of the valve to automate.
2. To obtain a safety factor increase the torque value chosen by 25% - 50% (subject to the type of valve and working conditions).
3. Once the torque value suggested is obtained consult the torque chart and in relation to the corresponding air pressure find a torque value exact to or exceeding the one obtained.
4. Once the torque value is determined move horizontally to the column "model" to find the actuator model required.

TYPE	AIR SUPPLY PRESSURE (psi)							
	40	50	60	70	80	90	100	115
	TORQUE OUTPUT DOUBLE ACTING ACTUATORS (in-Lbs)							
DA 32	34	43	55	64	71	82	87	101
DA 52 *	88	112	133	158	178	201	227	263
DA 63 *	152	193	238	282	320	361	405	469
DA 75 *	283	356	435	513	586	659	736	851
DA 85 *	406	514	628	744	853	960	1072	1237
DA 100 *	645	814	989	1163	1333	1505	1681	1939
DA 115	1065	1344	1640	1932	2212	2488	2779	3211
DA 125	1402	1771	2153	2539	2905	3274	3650	4220
DA 140	2003	2504	3005	3506	4006	4509	5009	5764
DA 160	2804	3501	4196	4899	5596	6292	6987	8045
DA 180	3860	4825	5790	6746	7711	8661	9627	11081
DA 200	5198	6494	7796	9089	10393	11670	12972	14924
DA 230	8589	10738	12880	15031	17180	19289	21440	24671
DA 270	12625	15777	18935	22093	25246	28361	31511	36269
DA 330	22464	28083	33702	39321	44939	50476	56086	64555

* Valid also for stainless steel actuator