

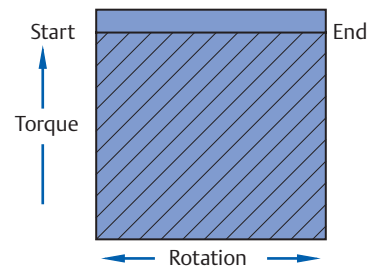
Actuator Torque - Double-Acting (Nm)

Actuator Size	Torque in Nm Supply Pressure (barg)										
	2	3	3.5	4	4.5	5	5.5	6	6.5	7	8
RPED 25	9	13	16	18	20	23	25	27	29	32	36
RPED 40	17	25	29	34	38	42	47	51	55	59	68
RPED 65	25	38	45	51	58	64	71	77	84	90	103
RPED 100	38	57	66	76	86	95	105	115	124	134	153
RPED 150	60	91	106	122	137	153	168	183	199	214	245
RPED 200	82	124	146	167	188	209	230	251	272	293	335
RPED 350	143	216	253	290	326	363	400	436	473	510	583
RPED 600	243	368	430	492	554	617	679	741	804	866	991
RPED 950	368	557	651	746	840	935	1029	1124	1218	1312	1501
RPED 1600	617	934	1092	1250	1408	1566	1725	1883	2041	2199	2516
RPED 2500	956	1447	1692	1937	2182	2427	2673	2918	3163	3408	3899
RPED 4000	1552	2348	2746	3144	3542	3940	4338	4736	5134	5532	6327

Notes:

1. Emerson recommends that the valve manufacturer supply the maximum required torque values (Including any adjustments or suggested safety factors for valve service conditions or application).
2. Additionally, the valve manufacturer must identify at which position(s) and direction(s) of rotation (Counter Clock Wise or Clock Wise) these maximum requirements occur.
3. If in doubt, or if you require any assistance with sizing actuators, do not hesitate to contact your nearest Emerson's Actuation Technologies Division representative.

Figure 1. Double acting torque diagram



Actuator Torque - Double-Acting (lbf.in)

Actuator Size	Torque in lbf.in Supply pressure (psig)												
	30	35	40	45	50	55	60	70	75	80	90	100	120
RPED 25	81	95	109	123	137	151	165	193	207	220	248	276	332
RPED 40	153	179	205	231	257	283	309	361	387	413	466	518	622
RPED 65	233	272	312	352	392	431	471	550	590	630	709	789	948
RPED 100	344	403	461	520	579	638	696	814	873	931	1049	1166	1401
RPED 150	551	645	739	833	927	1021	1115	1304	1398	1492	1680	1868	2244
RPED 200	754	883	1011	1140	1269	1398	1527	1784	1913	2042	2299	2557	3072
RPED 350	1310	1534	1758	1981	2205	2429	2653	3100	3324	3547	3995	4442	5337
RPED 600	2226	2606	2987	3367	3747	4127	4508	5268	5648	6028	6789	7549	9070
RPED 950	3374	3950	4527	5103	5679	6255	6832	7984	8560	9137	10289	11442	13747
RPED 1600	5654	6620	7586	8552	9517	10483	11449	13380	14346	15312	17243	19175	23038
RPED 2500	8762	10259	11755	13252	14748	16245	17741	20734	22231	23727	26720	29713	35699
RPED 4000	14221	16650	19079	21508	23937	26365	28794	33652	36081	38510	43368	48225	57941

Notes:

1. Emerson recommends that the valve manufacturer supply the maximum required torque values (Including any adjustments or suggested safety factors for valve service conditions or application).
2. Additionally, the valve manufacturer must identify at which position(s) and direction(s) of rotation (Counter Clock Wise or Clock Wise) these maximum requirements occur.
3. If in doubt, or if you require any assistance with sizing actuators, do not hesitate to contact your nearest Emerson's Actuation Technologies Division representative.

Figure 2. Double acting torque diagram

