ATTENTION - PLEASE CHECK THE ULTRAFLO WEBSITE AT www.ultraflovalve.com TO ENSURE YOU HAVE THE MOST RECENT COPY OF THIS DOCUMENT.

SEATING AND UNSEATING TORQUE
ULTRAFLO™ 400/422–410/412 SERIES VALVES
SIZES 2"–48"
CATEGORIES 1–3

400/422 SERIES VALVES															
	FULLCUT DIAMETER									UNDERCUT DIAMETER					
VALVE SIZE	CATEGORY 1			CATEGORY 2			CATEGORY 3			CATEGORY 1		CATEGORY 2		CATEGORY 3	
	ΔP50	ΔP100	ΔP150	ΔP50	ΔP100	ΔP150	ΔP50	ΔP100	ΔP150	ΔP0	ΔP50	ΔP0	ΔP50	ΔP0	ΔP50
2"	118	128	138	227	236	246	335	345	355	N/A	N/A	N/A	N/A	N/A	N/A
2.5"	142	152	162	274	284	294	402	412	421	N/A	N/A	N/A	N/A	N/A	N/A
3"	176	195	215	332	351	371	488	507	527	N/A	N/A	N/A	N/A	N/A	N/A
4"	262	291	320	495	524	553	728	757	786	167	198	335	365	502	533
5"	369	419	468	690	739	788	1010	1059	1108	223	274	446	496	669	719
6"	545	644	743	990	1089	1188	1436	1535	1634	311	413	622	724	934	1035
8"	931	1127	1323	1666	1862	2058	2401	2597	2793	513	718	1025	1230	1538	1743
10"	1414	1706	1999	2535	2828	3120	3656	3949	4241	764	1069	1527	1832	2291	2596
12"	2019	2512	3004	3546	4039	4531	5073	5565	6058	1005	1508	2010	2513	3015	3518
14"	2891	3675	4459	4998	5782	6566	7105	7889	8673	1595	2475	3190	4070	4785	5665
16"	3930	5124	6318	6667	7861	9055	9403	10597	11791	1881	3102	3763	4983	6661	6865
18"	5192	6972	8753	8604	10385	12165	12016	13797	15577	2383	4208	4766	6591	7149	8974
20"	6629	9084	11539	10802	13257	15712	14976	17431	19886	2896	5436	5791	8331	8687	11227
24"	13600	17700	21800	15000	19500	24000	18800	24400	30000	6100	6900	6700	9950	8400	14200
410/412 SERIES VALVES															
24"	13600	17700	21800	15000	19500	24400	18800	24400	30000	N/A	N/A	N/A	N/A	N/A	N/A
30"	22800	31000	39200	25100	34100	43100	31400	42600	53900	N/A	N/A	N/A	N/A	N/A	N/A
36"	35500	50000	64500	39000	55000	71000	48800	68800	88800	N/A	N/A	N/A	N/A	N/A	N/A
42"	45600	68200	90900	50000	75000	100000	62500	93800	125000	N/A	N/A	N/A	N/A	N/A	N/A
48"	63600	100000	136000	70000	110000	150000	87500	138000	188000	N/A	N/A	N/A	N/A	N/A	N/A

NOTES:

1. Above figures are applicable to Ultraflo series 400 resilient seated valves.
2. The charted torque values above are the total of all internal frictional resistances for opening or closing against indicated pressure.
3. Pressure capacity (rating) of valves is not considered in this chart.
4. For detailed information on selection of Torque Values, please refer to engineering information data titled "Factors Effecting Seating and Unseating Torque".

This chart should be used as a GENERAL GUIDE.
It does not mean that the rating necessarily applies to every possible criteria which may effect seating and unseating torque.

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ZONE	REV	DATE	BY	APP'D	DESCRIPTION
	1	06/04/07	DSS	CJH	RENAMED DWG FROM TORQUE-2

	NAME	DATE
DRAWN BY	DSS	02/15/07
CHECKED	CJH	02/15/07

400 SERIES
2" TO 48"

PART: SEATING AND UNSEATING TORQUE
INCH POUNDS

SCALE: NONE DWG: TORQUE-400