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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™ 390/393-399/392 SERIES VALVES
SIZES 2"-12"
CATEGORIES 1-3

FULLCUT DIAMETER									
VALVE SIZE	CATEGORY 1			CATEGORY 2			CATEGORY 3		
	$\Delta P50$	$\Delta P100$	$\Delta P150$	$\Delta P50$	$\Delta P100$	$\Delta P150$	$\Delta P50$	$\Delta P100$	$\Delta P150$
2"	118	128	138	227	236	246	335	345	355
2.5"	142	152	162	274	284	294	402	412	421
3"	176	195	215	332	351	371	488	507	527
4"	262	291	320	495	524	553	728	757	786
5"	369	419	468	690	739	788	1010	1059	1108
6"	545	644	743	990	1089	1188	1436	1535	1634
8"	931	1127	1323	1666	1862	2058	2401	2597	2793
10"	1414	1706	1999	2535	2828	3120	3656	3949	4241
12"	2019	2512	3004	3546	4039	4531	5073	5565	6058


UNDERCUT DIAMETER						
VALVE SIZE	CATEGORY 1		CATEGORY 2		CATEGORY 3	
	$\Delta P0$	$\Delta P50$	$\Delta P0$	$\Delta P50$	$\Delta P0$	$\Delta P50$
2"	N/A	N/A	N/A	N/A	N/A	N/A
2.5"	N/A	N/A	N/A	N/A	N/A	N/A
3"	N/A	N/A	N/A	N/A	N/A	N/A
4"	167	198	335	365	502	533
5"	223	274	446	496	669	719
6"	311	413	622	724	934	1035
8"	513	718	1025	1230	1538	1743
10"	764	1069	1527	1832	2291	2596
12"	1005	1508	2010	2513	3015	3518

NOTES:

- Above figures are applicable to Ultraflo series 300 resilient seated valves.
- The charted torque values above are the total of all internal frictional resistances for opening or closing against indicated pressure.
- Pressure capacity (rating) of valves is not considered in this chart.
- 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.

		Ultraflo Corporation A Subsidiary of Bray International, Inc.	#8 Trautman Ind. Dr. Ste. Genevieve, Mo. 63870 800-950-1782				
ZONE	REV	DATE	BY	APP'D	DESCRIPTION	NAME	DATE
	1	06/04/07	DSS	CJH	RENAMED DWG FROM TORQUE-1	DSS	02/15/07
						CJH	02/15/07
PART: SEATING AND UNSEATING TORQUE						300 SERIES	
INCH POUNDS						2" TO 12"	
SCALE: NONE						DWG: TORQUE-300	

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