SCV VALVE

DOC	EPGOPSIZE01
DATE	8/15/2019
REV.	3
BY	AW
APPR.	JM

VALVE TYPE: **EXPANDING GATE VALVE - FULL PORT - API 6D**

DESCRIPTION: **OPERATOR SIZING**

VALVE SIZE	ANSI CLASS	STEM THREAD	OPERATING TORQUE	OPERATING THRUST	MAST TORQUE	MAST THRUST	TOTAL STEM	TURNS TO OPEN
		* DOUBLE LEAD THREAD	FT/LBS	LBS	FT/LBS	LBS	TRAVEL	VALVE
2	300	1-5TPI-2G-LH	8	1090	180	13864	3.00	15
	600	1-5TPI-2G-LH	17	2773	180	13864	3.10	15
	900/1500	1-5TPI-2G-LH	43	6932	180	13864	3.10	15
3	150	1-5TPI-2G-LH	9	815	180	13864	4.12	21
	300	1-5TPI-2G-LH	18	2150	180	13864	4.12	21
	600	1-5TPI-2G-LH	34	3960	180	13864	4.12	21
	900	1-5TPI-2G-LH	55	6280	180	13864	4.12	21
4	150	1-5TPI-2G-LH	15	1385	180	13864	4.95	25
	300	1-5TPI-2G-LH	36	3395	180	13864	4.60	23
	600	1-1/4-5TPI-2G-LH	74	7260	282	22450	4.88	25
	900	1-1/4-5TPI-2G-LH	108	10172	282	22450	4.88	25
6	150	1-5TPI-2G-LH	23	2386	180	13864	6.78	33
	300	1-5TPI-2G-LH	62	6396	180	13864	6.78	34
	600	1-1/2-4TPI-2G-LH	125	11780	552	36864	6.85	28
	900	1-1/2-4TPI-2G-LH	238	18940	552	36864	6.85	28
8	150	1-1/2-4TPI-2G-LH	53	3365	552	36864	9.13	37
	300	1-1/2-4TPI-2G-LH	155	11690	552	36864	9.13	37
	600	1-3/4-4TPI-2G-LH	289	20780	754	62340	9.38	38
	900	1-3/4-4TPI-2G-LH	377	31170	754	62340	9.38	38
10	150	1-1/2-4TPI-2G-LH	80	5914	552	36864	11.19	45
	300	1-1/2-4TPI-2G-LH	215	15851	552	36864	11.19	45
	600	2-4TPI-2G-LH	572	31920	1714	95760	11.71	47
	900	2-4TPI-2G-LH	857	47880	1714	95760	11.71	47
12	150	1-1/2-4TPI-2G-LH	100	7589	552	36864	13.11	53
	300	1-1/2-4TPI-2G-LH	269	20338	552	46850	13.11	52
	600	2-1/4-3TPI-2G-LH	762	43150	2476	128308	13.61	41
	900	2-1/4-3TPI-2G-LH	1105	61045	2476	128308	13.61	41
14	600	2-1/2-3TPI-2G-LH	936	48630	3858	168540	15.14	46
	900	2-1/2-3TPI-2G-LH	1285	71950	3858	168540	15.14	45
16	150	* 1.5-0.20P-0.40L-ACME-2G-LH	243	15655	552	36864	16.50	41
	300	* 2.0-0.25P-0.50L-ACME-2G-LH	511	39582	1714	95760	16.44	33
	600	* 2.5-0.40P-0.80L-ACME-2G-LH	1286	61600	3858	168540	16.65	21
	900	* 2.5-0.40P-0.80L-ACME-2G-LH	1795	92400	3858	168540	16.65	21
18	600	* 3.0-0.40P-0.80L-ACME-2G-LH	1752	71580	5620	256430	19.03	24
	900	* 3.0-0.40P-0.80L-ACME-2G-LH	2215	107370	5620	256430	19.03	24
20	150	* 2.0-0.25P-0.50L-ACME-2G-LH	362	24762	1714	95760	20.60	41
	300	* 2.0-0.25P-0.50L-ACME-2G-LH	744	48425	1714	95760	20.18	40
	600	* 3.25-0.40P-0.80L-ACME-2G-LH	2386	78240	6202	289650	20.96	26
	900	* 3.25-0.40P-0.80L-ACME-2G-LH	3101	122450	6202	289650	20.96	26
22	600	* 3.25-0.40P-0.80L-ACME-2G-LH	2850	99636	6202	289650	23.31	29
24	150	* 2.5-0.40P-0.80L-ACME-2G-LH	578	35670	3858	168540	24.56	31
	300	* 2.5-0.40P-0.80L-ACME-2G-LH	1423	53640	3858	168540	24.50	31
	600	* 4.0-0.40P-0.80L-ACME-2G-LH	3865	135847	24344	726000	25.33	32
	900	* 4.0-0.40P-0.80L-ACME-2G-LH	6184	215630	24344	726000	25.33	32
26	600	* 4.0-0.40P-0.80L-ACME-2G-LH	4776	143250	24344	726000	26.88	34
28	600	* 4.0-0.40P-0.80L-ACME-2G-LH	5236	168962	24344	726000	29.62	37
30	150	* 2.5-0.40P-0.80L-ACME-2G-LH	1162	51430	3858	168540	30.56	38
	300	* 2.75-0.40P-0.80L-ACME-2G-LH	2358	99710	4716	199420	30.56	38
	600	* 4.0-0.40P-0.80L-ACME-2G-LH	6062	196250	24344	726000	30.80	39
36	150	* 2.75-0.40P-0.80L-ACME-2G-LH	1952	84520	4716	199420	35.81	45
	300	* 3.25-0.40P-0.80L-ACME-2G-LH	4165	185600	10272	449870	35.81	45
	600	* 4.0-0.40P-0.80L-ACME-2G-LH	12172	363000	24344	726000	36.10	45
40	300	* 3.50-0.40P-0.80L-ACME-2G-LH	5896	268520	13680	537040	40.50	51