

NO	TAG	SIZE	DESCRIPTION
1	ESDV-0100	12"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-435B-FC3-2 c/w Control System 1 please see details at enclosed document 1 ON-OFF ball valve, 12" 150, full bore
2	ESDV-0200	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class150, flanged, full bore, F819 series 80 F819 566TZ7TZ150 A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-15A-300B-FC3-2 c/w Control System 1 2 ON-OFF ball valve, 8" 150, full bore
3	ESDV-0600	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class150, flanged, full bore, F819 series 80 F819 566TZ7TZ150 A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-15C-285B-FC2-3 c/w Control System 2 3 ON-OFF ball valve, 8" 150, full bore
4	ESDV-0700	12"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-335B-FC3-2 c/w Control System 2 4 ON-OFF ball valve, 12" 150, full bore
5	ESDV-3010	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class300, flanged, full bore, F819 series 80 F819 566TZ7TZ300 A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-335B-FC2-3 c/w Control System 1 5 ON-OFF ball valve, 8" 300, full bore
6	SDV-0300	4"	FLOWSERVE WORCESTER ON-OFF BALL VALVE (SDV-0100) 4" CLASS 150, FLANGED, REDUCED BORE, K51 SERIES A216 WCB BODY, 316SS TRIM PTFE SEATS FLOWSERVE PNEUMATIC ACTUATOR SINGLE ACTING, SPRING RETURN AIR SUPPLY, 5,5 BARG C/W 2 PCS. MECHANICAL SWITCHES/EEXD WITH INDICATOR, OPEN/CLOSE POSITION
7	SDV-0400	6"	FLOWSERVE WORCESTER ON-OFF BALL VALVE (SDV-0200) 6" CLASS 150, FLANGED, REDUCED BORE, K51 SERIES A216 WCB BODY, 316SS TRIM PTFE SEATS FLOWSERVE PNEUMATIC ACTUATOR SINGLE ACTING, SPRING RETURN AIR SUPPLY, 5,5 BARG C/W 2 PCS. MECHANICAL SWITCHES/EEXD WITH INDICATOR, OPEN/CLOSE POSITION
8	SDV-0500	8"	BELVEN ON-OFF Ball Valve 8" Class300, flanged, reduced bore, BV-4 series A216 WCB Body, 316SS trim PTFE seats Flowserve Pneumatic Actuator 45-40R
9	FV-3010	1-1/2"	FLOWSERVE Valtek GS Globe Valve 1 1/2" Control Valve Class 300 Trim: 316 SS+Stellited Leakage Class: V Body: A216 WCC PTFE TA-Luft packing c/w Flowserve Pneumatic Actuator Fail close c/w Logix 420 Positioner Eexd Gauges, LCD, 4-20 mA input signal c/w Air filter regulator 6 1 1/2" Control Valve Class 300



5. Actuators Performance Table

Item	Valve TAG		Sizing Pressure		Safety Factor Calculated (Required)						Valve Mast	
	Actuator Model		Pmin	Pmax	Break to Open	Running to Open	End to Open	Break to Close	Running to Close	End to Close	Act'r Max Displ.	
	Valve Size/Class											
1	ESDV-1100				2.512,0	2.261,0	2.512,0	2.512,0	2.261,0	2.512,0		
	LPS-20A-435B-FC3-2		6,0		7.263,2	3.445,6	5.308,6	5.720,1	2.634,3	3.900,3	12.008,7	
	12"/150 Close		8,5		2,9 (1,1)	1,5 (1,1)	2,1 (1,1)	2,3 (1,1)	1,2 (1,1)	1,6 (1,1)	30,3	
2	SDV-0500				1.200,0	840,0	1.200,0	1.200,0	840,0	1.200,0		
	LPS-15A-300B-FC3-2		6,0		2.360,5	1.062,5	1.524,7	2.385,2	1.103,5	1.644,0	4.067,1	
	8"/150 Close		8,5		2 (1,1)	1,3 (1,1)	1,3 (1,1)	2 (1,1)	1,3 (1,1)	1,4 (1,1)	11,0	
3	ESDV-3010				2.000,0	1.400,0	900,0	2.000,0	1.400,0	900,0		
	LPS-20A-335B-FC2-3		6,0		3.875,0	1.682,9	2.296,1	4.119,8	1.874,1	2.728,3	6.689,4	
	8"/300 Close		8,5		1,9 (1,1)	1,2 (1,1)	2,6 (1,1)	2,1 (1,1)	1,3 (1,1)	3 (1,1)	18,0	
4	ESDV-0600				1.150,0	805,0	1.150,0	1.150,0	805,0	1.150,0		
	LPS-15C-285B-FC2-3		6,0		3.608,8	1.028,0	1.276,4	1.557,7	901,1	1.910,6	5.945,9	
	8"/150 Close		8,5		3,1 (1,1)	1,3 (1,1)	1,1 (1,1)	1,4 (1,1)	1,1 (1,1)	1,7 (1,1)	10,4	
5	ESDV-0700				1.469,0	1.322,0	1.469,0	1.469,0	1.322,0	1.469,0		
	LPS-20A-335B-FC2-2		6,0		4.483,1	2.160,8	3.400,0	3.177,7	1.457,2	2.144,9	7.297,5	
	12"/150 Close		8,5		3,1 (1,1)	1,6 (1,1)	2,3 (1,1)	2,2 (1,1)	1,1 (1,1)	1,5 (1,1)	18,0	