

NO	TAG	SIZE	DESCRIPTION
1	ESDV-6100	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class 300, flanged, full bore, F829 series 80 F829 566TZ7TZ300 Class VI A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20C-435B-FC3-1 c/w Control System
2	SDV-6101	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class 150, flanged, full bore, F819 series 80 F819 566TZ7TZ150 Class VI A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-385B-FC2-3 c/w Control System
3	SDV-6201	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class 150, flanged, full bore, F819 series 80 F819 566TZ7TZ150 Class VI A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-385B-FC2-3 c/w Control System
4	SDV-6301	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class 150, flanged, full bore, F819 series 80 F819 566TZ7TZ150 Class VI A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-385B-FC2-3 c/w Control System
5	SDV-6401	8"	FLOWSERVE Worcester ON-OFF Ball Valve 8" Class 150, flanged, full bore, F819 series 80 F819 566TZ7TZ150 Class VI A216 WCB Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-20A-385B-FC2-3 c/w Control System
6	SDV-6102	12"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 Class VI 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-25A-435B-FC2-2 c/w Control System
7	SDV-6202	12"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 Class VI 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-25A-435B-FC2-2 c/w Control System
8	SDV-6302	12"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 Class VI 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-25A-435B-FC2-2 c/w Control System
9	SDV-6402	12"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 Class VI 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-25A-435B-FC2-2 c/w Control System
10	ESDV-6300	8"	FLOWSERVE ARGUS ON-OFF Ball Valve 12" Class150, flanged, full bore, FK76 Class VI 1.0566 LF2 Body, 316SS trim PTFE seats c/w Flowserve Pneumatic Actuator Single Acting, spring return, Fail close LPS-25A-435B-FC2-2 c/w Control System



7. Actuator Performance Table:

UNITS: Torque in Nm - Volume in L - Pressure in barg

Item	Valve TAG	Sizing	Break to Open	Running to Open	End to Open	Break to Close	Running to Close	End to Close	Valve Mast
	Actuator Model	Pressure							Act'r Max
	Valve Size/Class	Pmin							Volume
	Fail Position	Pmax							Safety Factor
	ESDV-6100		2150,0	1505,0	2150,0	2150,0	1505,0	2150,0	
1	LPS-20C-435B-FC3-1	5,0	9190,1	2681,4	3384,1	3895,4	2280,4	4964,2	19271,3
	8"/300	8,5	4,3	1,8	1,6	1,8	1,5	2,3	31,8
	Close								
	SDV-6101		1500,0	1050,0	1500,0	1500,0	1050,0	1500,0	
2	LPS-20A-385B-FC2-3	5,0	4549,4	2069,1	3011,2	4114,4	1871,0	2722,5	9753,5
	8"/150	8,5	3	2	2	2,7	1,8	1,8	23,7
	Close								
	SDV-6102		2184,0	1966,0	2184,0	2184,0	1966,0	2184,0	
3	LPS-25A-435B-FC2-2	5,0	7283,6	3088,5	4071,9	7065,8	3069,2	4188,6	15490,4
	12"/150	8,5	3,3	1,6	1,9	3,2	1,6	1,9	37,4
	Close								
	SDV-6201		1500,0	1050,0	1500,0	1500,0	1050,0	1500,0	
4	LPS-20A-385B-FC2-3	5,0	4549,4	2069,1	3011,2	4114,4	1871,0	2722,5	9753,5
	8"/150	8,5	3	2	2	2,7	1,8	1,8	23,7
	Close								
	SDV-6202		2184,0	1966,0	2184,0	2184,0	1966,0	2184,0	
5	LPS-25A-435B-FC2-2	5,0	7283,6	3088,5	4071,9	7065,8	3069,2	4188,6	15490,4
	12"/150	8,5	3,3	1,6	1,9	3,2	1,6	1,9	37,4
	Close								
	SDV-6301		1500,0	1050,0	1500,0	1500,0	1050,0	1500,0	
6	LPS-20A-385B-FC2-3	5,0	4549,4	2069,1	3011,2	4114,4	1871,0	2722,5	9753,5
	8"/150	8,5	3	2	2	2,7	1,8	1,8	23,7
	Close								
	SDV-6302		2184,0	1966,0	2184,0	2184,0	1966,0	2184,0	
7	LPS-25A-435B-FC2-2	5,0	7283,6	3088,5	4071,9	7065,8	3069,2	4188,6	15490,4
	12"/150	8,5	3,3	1,6	1,9	3,2	1,6	1,9	37,4
	Close								
	SDV-6401		1500,0	1050,0	1500,0	1500,0	1050,0	1500,0	
8	LPS-20A-385B-FC2-3	5,0	4549,4	2069,1	3011,2	4114,4	1871,0	2722,5	9753,5
	8"/150	8,5	3	2	2	2,7	1,8	1,8	23,7
	Close								
	SDV-6402		2184,0	1966,0	2184,0	2184,0	1966,0	2184,0	
9	LPS-25A-435B-FC2-2	5,0	7283,6	3088,5	4071,9	7065,8	3069,2	4188,6	15490,4



	12"/150	8,5	3,3	1,6	1,9	3,2	1,6	1,9	37,4
	Close								
	ESDV-6300		2184,0	1966,0	2184,0	2184,0	1966,0	2184,0	
10	LPS-25A-435B-FC2-2	5,0	7283,6	3088,5	4071,9	7065,8	3069,2	4188,6	15490,4
	12"/150	8,5	3,3	1,6	1,9	3,2	1,6	1,9	37,4
	Close								

8. Remarks and Deviations:

1. **Modular Manifold Systems are made for application not directly fixed on the actuator. We have considered an open panel in SS, complete with MMS, mounted on actuator board . Pneumatic connections between MMS and actuator will be by SS tubing and fittings, make at Flowserve care.**
2. **Operating time** specified in the table are obtained with the MMS as it is offered. In case they are not acceptable we can offer on request:
 - a. Additional quick exhaust valve mounted on actuator board, to speed up the closing of the valve only.
 - Or in alternative
 - b. Additional larger 3-way pneumatic distributor mounted on actuator board, to speed up both opening and closing time,
3. Electrical cabling will be at your customer care.
4. **Solenoid valves will be equipped with SS cable glands M20x1.5 suitable for armoured cable with external diameter 8÷17 mm diameter.**