



NO.	QTY	DESCRIPTION	MATERIAL
1	1	Body	CI
2	2	O-ring	EPDM, NBR, VITON
3	1	Lower Stem	SS416
4	1	Disc	CF8M, DI, 95400
5	1	Seat	EPDM, NBR, VITON
6	3	Bushing	PTFE
7	1	Upper Stem	SS416
8	2	Bolt & Nut	Carbon Steel
9	1	Locking Plate	Carbon Steel
10	1	Locking Bolt	Carbon Steel
11	1	Lever	Malleable Cast Iron
12	2	Spring Pin	Carbon Steel

DESIGN CODE API609
 INSPECTION & TEST API 598
 END STANDARD ANSI B16.1 CLASS 150
 FACE TO FACE ANSI B16.10

TECHNICAL REQUIREMENTS
 1. 0.5 CHAMFER ROUNING UNLESS NOTED.
 2. CASTING ROUNDS ARE R 3-5 UNLESS NOTED.
 3. BLISTERS, PORES, SLAG AND OTHER CASTING DEFECTS ARE NOT ALLOWED.
 4. CASTING BODY MATERIAL AGING TREATMENT TO BE DONE ACCORDING TO USER REQUIREMENTS.

SIZE	A	B	C	ØD	N-ØE	L	P	SxS	ØW	ØX	□M	ISO 5211
2"	2.99	3.93	0.79	4.75	4 - 0.75"	1.65	10.24	11mm x 11mm	4.02	2.76	11mm	F07
2.5"	3.35	4.61	0.79	5.50	4 - 0.75"	1.77	10.24	11mm x 11mm	4.02	2.76	11mm	F07
3"	3.66	4.92	0.79	6.00	4 - 0.75"	1.77	10.24	11mm x 11mm	4.02	2.76	11mm	F07
4"	4.29	6.02	0.79	7.50	8 - 0.75"	2.05	10.24	11mm x 11mm	4.02	2.76	11mm	F07
5"	4.84	6.14	0.98	8.50	8 - 0.87"	2.13	10.24	14mm x 14mm	4.02	2.76	14mm	F07
6"	5.35	6.69	0.98	9.50	8 - 0.87"	2.20	10.24	14mm x 14mm	4.02	2.76	14mm	F07
8"	6.54	9.45	1.18	11.75	8 - 0.87"	2.36	14.17	17mm x 17mm	5.98	4.02	17mm	F10
10"	7.83	11.22	1.18	14.25	12 - 0.98"	2.60	14.17	22mm x 22mm	5.98	4.02	22mm	F10
12"	9.37	11.81	1.18	17.00	12 - 0.98"	3.03	20.47	22mm x 22mm	5.98	4.02	22mm	F10

ARTICLES MANUFACTURED IN ACCORDANCE WITH THESE DRAWINGS SHALL BE CONSIDERED FLVC'S DESIGN. MANUFACTURER AGREES NOT TO MANUFACTURE FOR THE USE OR SALE BY ANY PERSON OR CONCERN OR FOR MANUFACTURER'S USE OR SALE IF IDENTICAL ARTICLES OR PARTS THEREOF WITH OUT FLVC'S WRITTEN PERMISSION.

- UNLESS OTHERWISE SPECIFIED
- ALL DIMENSIONS ARE IN INCHES
 - INSIDE RADII .8
 - BREAK EDGES W/.8 CHAMFER
 - CONCENTRICITY WITH .015 TIR
 - REMOVE ALL BURRS
 - MACHINE FINISH
- .X = ± .8
 .XX = ± .4
 .XXX = ± .015
 ± 2° ON ANGLES

FlowLine

VALVES AND CONTROLS

110 MAIN PROJECT ROAD
 SCHRIEVER, LA 70395

www.flowlinevalves.com

DESCRIPTION
 SERIES 86-L
 WAFER BODY

MATERIAL REFERENCE

DRAWING NUMBER

86-L-####

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DESIGNED BY:
 DAP



APPROVED BY:
 DAB



DATE:
 1/25/19

CHG.	DESCRIPTION OF CHANGE	CHG BY	DATE
B	CORRECTED TOPWORKS	TD	1/30/19
A	FLOWLINE ORIGINAL	DAP	1/25/19