

# Mark 695X Series

## Tank Blanketing Regulator 1/2"- 3/4"

The Mark 695X Series regulator was designed specifically to provide accurate pressure control on very low pressure tank blanketing systems. The Mark 695X responds to very small changes in tank pressure by throttling open or closed to maintain the desired pressure set point.

- Direct Operated
- Fully Balanced Plug
- Accurate regulation down to 1/2" wc (1.25 mbar)
- ANSI Class VI Shutoff
- Two available spring ranges
- 200 psi maximum inlet pressure
- Three Cv's (Kv's): 0.15, 0.2, 0.4 (0,13, 0,17, 0,35)
- Ultra Lightweight Diaphragm for Maximum Sensitivity



### OPTIONAL FEATURES

- Outlet Gauge
- Purge Feature
- ANSI & DIN Flanged Ends
- Outlet Check Valve



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## SPECIFICATIONS

### Sizes:

- 1/2" – 3/4" (DN15 – DN20)

### End Connections:

- FNPT
- ANSI & DIN Flanges

### Body Materials:

- 316L Stainless Steel
- Other Materials Available on Application

### Spring Housing:

- 316L Stainless Steel

### Diaphragm:

- Ultra Lightweight Teflon

### Seats and Balance Diaphragm:

- Buna-N, FKM, EPDM

### Service:

- Tank blanketing

### Flow Capacities:

- Cv (Kv): 0.15 (0,13), 0.2 (0,17), 0.4 (0,34)

**Sizing Instructions:** Determine required blanketing capacity per API 2000. Use JVCV to size valve.

### Shutoff:

- ANSI Class VI (ANSI/FCI 70-3-2016)

### Available Spring Ranges

- 0.5 – 5.5 wc (1,25 mb - 13,7 mb)
- 4 – 10 wc (9,96 mb - 24,9 mb)
- 8-15 wc (19.91mb - 37.33 mb)
- 0.5-1.5 psi / 14-41 wc (34.47mb - 103.42 mb)

### Max Operating Inlet Pressure:

- 200 psig @ 100°F (13,8 barg @ 38°C)

### Max Differential Pressure:

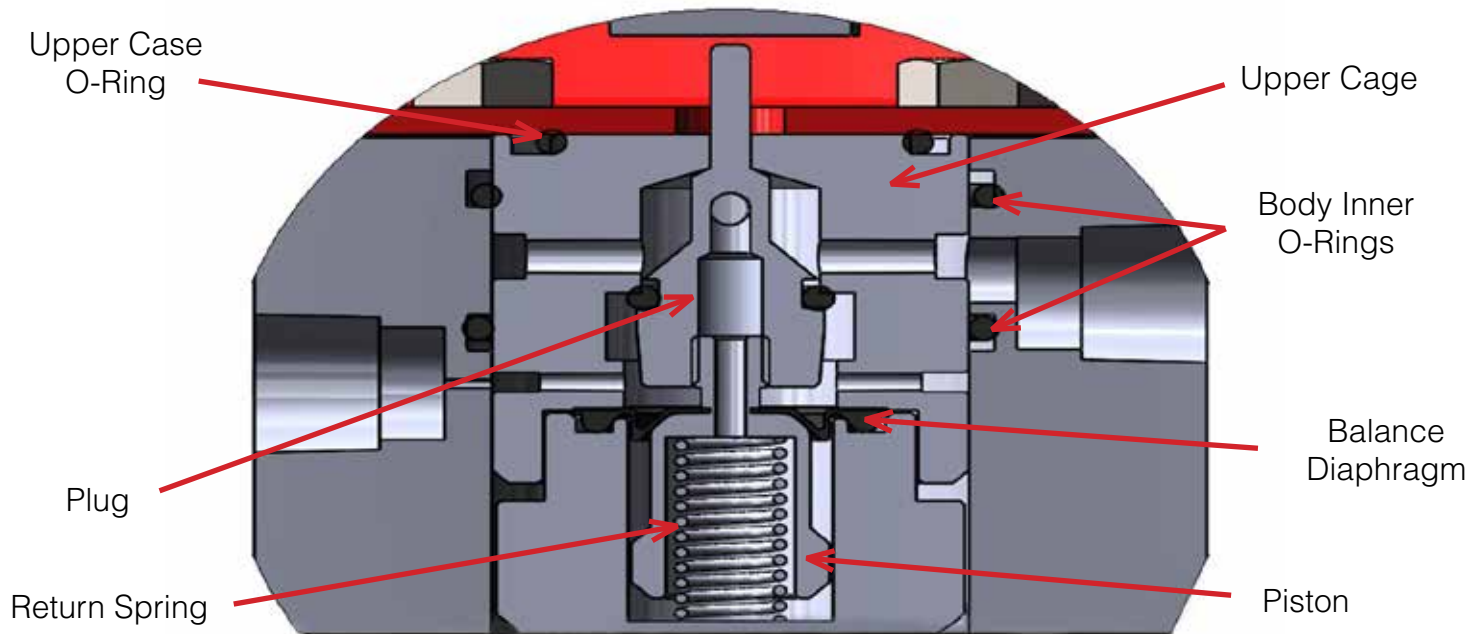
- 200 psig @ 100°F (13,8 barg @ 38°C)

### Max Downstream Pressure (Safety Rating):

- 20 psig (1,38 barg)

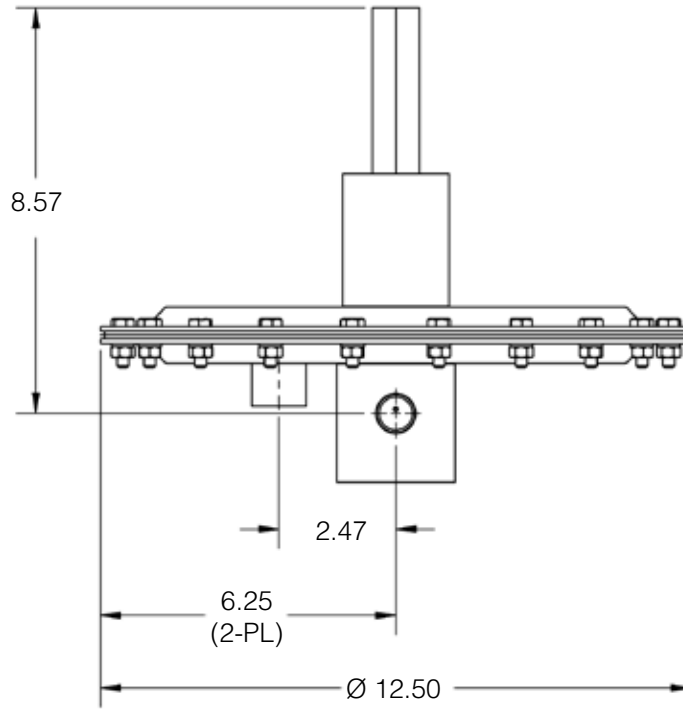
### Operating Temperatures:

- Determined by Elastomer



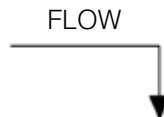
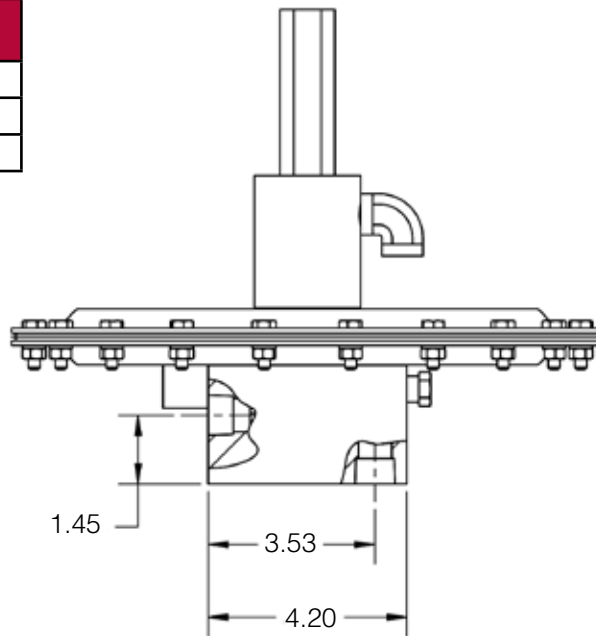
Plug Assembly

**DIMENSIONS**



**WEIGHTS**

Size	End Connections	Weight lbs (kgs)
1/2"	NPT	20 (9)
	150# FE	22.5 (10)
	300# FE	24 (11)



ORDERING SCHEMATIC FOR MK695X

Model No	Size	Body Mat'l	1	2	3	4	5	6	7	8	9	10	11	12

	Model
695X	Low Pressure

5 & 6	Press Switch
AA	Not Req'd
ZZ	Non-Standard

	Size
050	1/2"
075	3/4"

7 & 8	Range
A7	0.5-5.5" W.C. (1,25 mb - 13,7 mb)
A8	4-10 W.C. (9,96 mb - 24,9 mb)
A9	8-15 W.C. (19.91mb - 37.33 mb)
B1	0.5-1.5 psi / 14-41 W.C. (34.47mb - 103.42 mb)
ZZ	Non-Standard

	Body Material
SB	Stainless Steel (SA479)
ZZ	Non-Standard

1 & 2	End Connections & Cv		
P	NPT	A	0.15
		B	0.20
		C	0.40
ZZ	Non-Standard		

9 & 10	Actuator
S1	Standard
ZZ	Non-Standard

3 & 4	Seat & O-Ring
BN	Buna-N
VI	Viton
EP	EPDM
ZZ	Non-Standard

CAUTION: The following information is subject to change. Product Numbers and Description should be checked with the Factory for accuracy before Order Entry.

