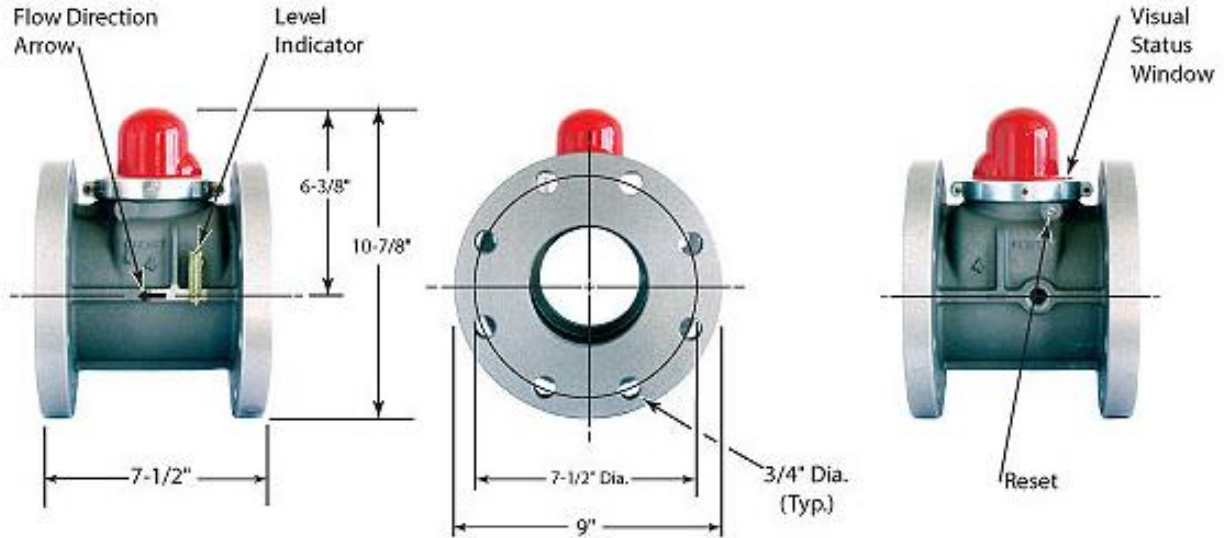


## 4" Model 316F-60 Flanged Valve

Horizontal or Vertical Flow



Nominal Pipe Size	Length	Height	Diameter	Weight	Application Data		Bolt Holes		
					Max. Pressure	Fuel	Bolt Circle	Diameter	Num
4"	7-1/2"	10-7/8"	9"	20 lbs	60 psig	Dry Fuel Gas	7-1/2"	3/4"	8

### Specifications & Response To Seismic Disturbance

- Manual Reset
- High flow efficiency with minimal pressure drop
- Positive closure, soft seal seating
- Visual open-close indicator
- Made in the USA
- Meets ASCE 25-97

The valve shall close within five seconds when subjected to a horizontal, sinusoidal oscillation with the following characteristics:

	Peak Acceleration	Period
1.	0.7G	0.13 Seconds
2.	0.4G	0.2 Seconds
3.	0.3G	0.4 Seconds
4.	0.25G	1.00 Seconds

The valve shall not close when subjected for five seconds to each of three horizontal, sinusoidal oscillations with the following characteristics:

	Peak Acceleration	Period
1.	0.4G	0.1 Seconds
2.	0.2G	0.2 Seconds
3.	0.15G	0.40 Seconds
4.	0.10G	1.00 Seconds




## Capacity Charts

Capacity charts represent CFH of natural gas at 60° F

Use the following charts to determine the approximate loss of pressure (in inches water column) through the valve.

1. Identify maximum inlet pressure to the valve.
2. Identify maximum Cubic Feet/Hour - CFH
3. See Column 1 for the pressure drop.

<b>4" EV316F-60</b>		<b>Capacity - CFH</b>					
C <sub>v</sub> = 480							
316F-60 							
<b>Delta P</b>	<b>Operating Pressure</b>						
<b>"W.C.</b>	<b>1 PSI</b>	<b>2 PSI</b>	<b>5 PSI</b>	<b>10 PSI</b>	<b>20 PSI</b>	<b>40 PSI</b>	<b>60 PSI</b>
<b>0.5</b>	18,933	19,527	21,210	23,752	28,156	35,354	41,316
<b>1</b>	26,760	27,601	29,982	33,579	39,808	49,990	58,423
<b>2</b>	37,801	38,992	42,363	47,453	56,268	70,673	82,603
<b>5</b>	59,563	61,452	66,799	74,866	88,830	111,634	130,513

Horizontal Flow

316F-60



Vertical Flow – Down

VT316F-60



Vertical Flow - Up

VB316F-60

