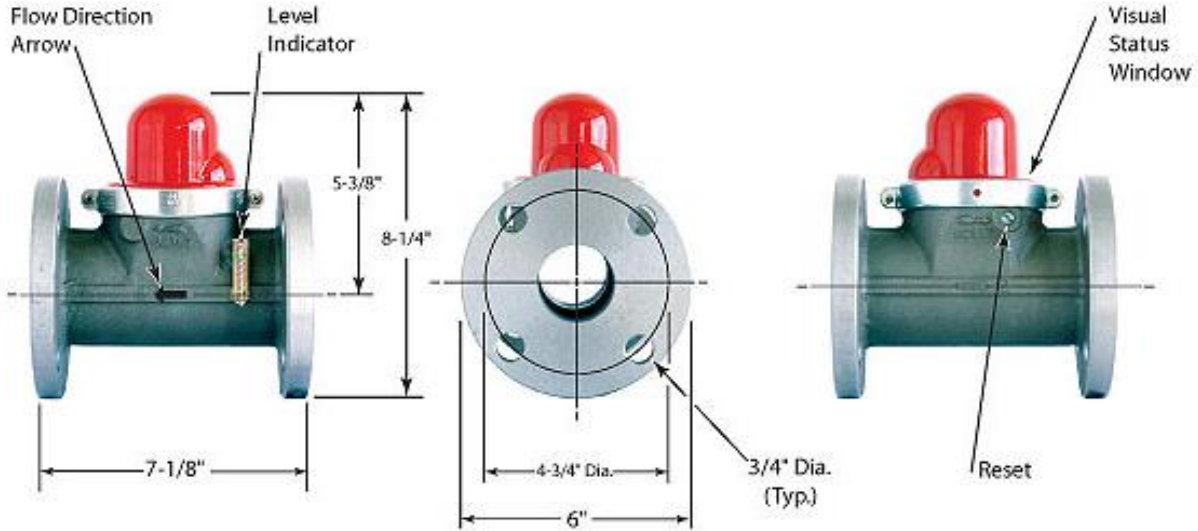


2" Model 314F-60 Flanged Valve

Horizontal or Vertical Flow



Nominal Pipe Size	Length	Height	Diameter	Weight	Application Data		Bolt Holes		
					Max. Pressure	Fuel	Bolt Circle	Diameter	Num
2"	7-1/8"	8-1/4"	6"	10 lbs	60 psig	Dry Fuel Gas	4-3/4"	3/4"	4

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.

2" EV314F-60		Capacity - CFH					
$C_v = 164$							
314F-60 							
Delta P	Operating Pressure						
"W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	40 PSI	60 PSI
0.5	6,469	6,672	7,247	8,115	9,620	12,079	14,116
1	9,143	9,430	10,244	11,473	13,601	17,080	19,961
2	12,915	13,322	14,474	16,213	19,225	24,147	28,223
5	20,351	20,996	22,823	25,579	30,350	38,142	44,592

Horizontal Flow

314F-60



Vertical Flow – Down

VT314F-60



Vertical Flow - Up

VB314F-60

