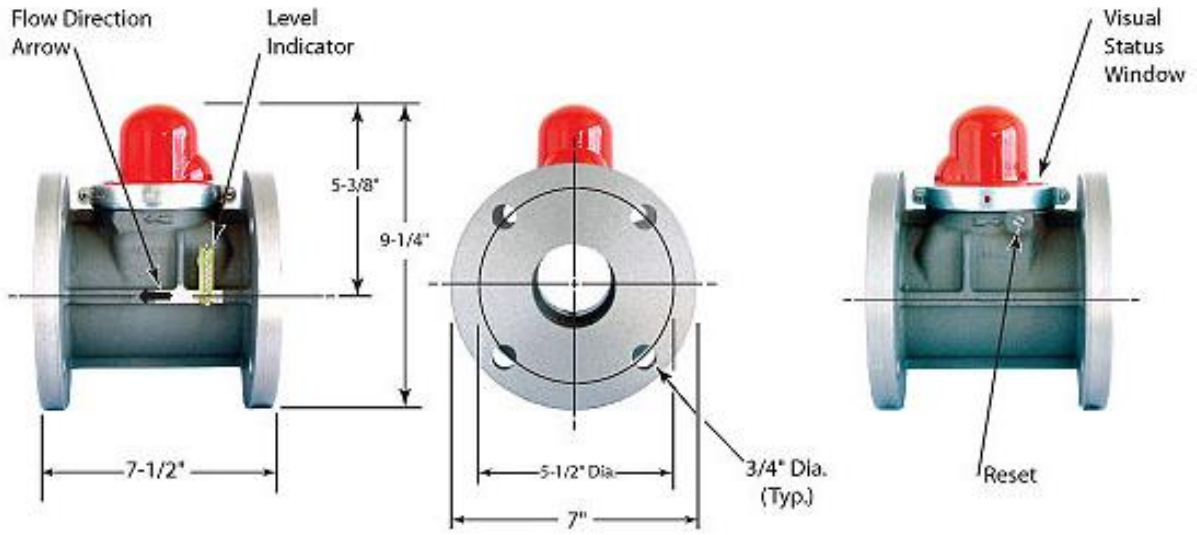
2-1/2” Model 318F-60 Flanged Valve

Horizontal or Vertical Flow



Nominal Pipe Size	Length	Height	Diameter	Weight	Application Data		Bolt Holes		
					Max. Pressure	Fuel	Bolt Circle	Diameter	Num
2-1/2”	7-1/2”	9-1/4”	7”	15 lbs	60 psig	Dry Fuel Gas	5-1/2”	¾”	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.

2-1/2" EV318F-60 **Capacity - CFH**

C_v= 336

318F-60

Delta P	Operating Pressure						
"W.C.	**.25 PSI**	**3 PSI**	**5 PSI**	**7 PSI**	**10 PSI**	**20 PSI**	**60 PSI**
0.5	12,948	14,063	14,837	15,573	16,615	19,696	28,903
1	18,300	19,877	20,973	22,014	23,489	27,847	40,871
2	25,849	28,082	29,633	31,106	33,194	39,361	57,786
5	40,724	44,266	46,725	49,060	52,369	62,139	91,301

Horizontal Flow
318F-60

Vertical Flow – Down
VT318F-60

Vertical Flow - Up
VB318F-60

Miners & Pisani, Inc.

California
3551 Arden Rd, Hayward, CA 94545
Tel: 510-352-9040 ° Fax: 510-352-2307
800-446-8181

Washington
P.O. Box 1298, Issaquah, WA 98027
Tel: 425-392-4620 ° Fax: 425-557-0384
800-528-3813