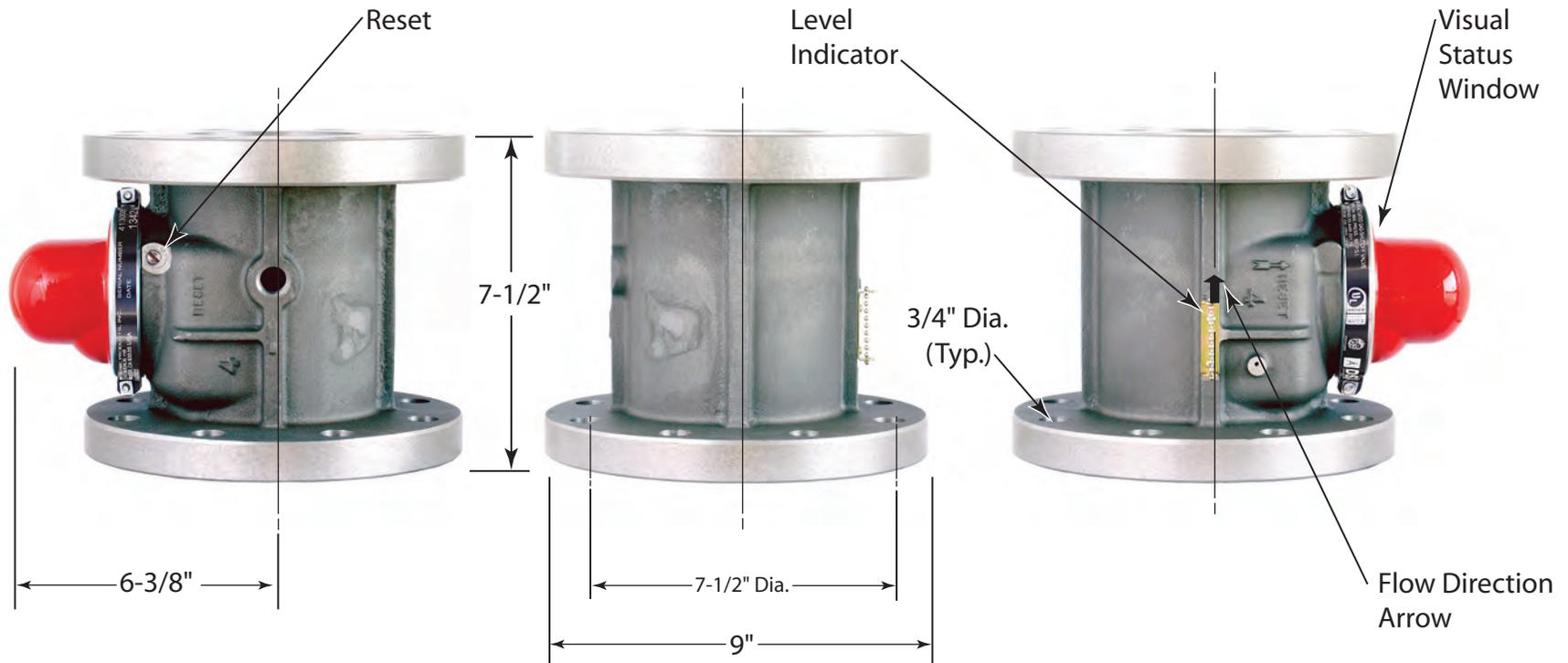


# Specifications: Model VB-316F(60) Flanged Valve

## Vertical - Bottom In Flow



| Valve Model# | CA-DSA No. | Length | Height | Diameter | Nominal Pipe Size | APPLICATION   |              | Diameter On Center | Diameter Hole (Typ.) | Number of Holes |
|--------------|------------|--------|--------|----------|-------------------|---------------|--------------|--------------------|----------------------|-----------------|
|              |            |        |        |          |                   | Max. Pressure | DATA Fuel    |                    |                      |                 |
| VB-316F      | 13-27      | 6-3/8" | 7-1/2" | 9"       | 4"                | 60 psi        | Dry Fuel Gas | 7-1/2" Dia.        | 3/4" Dia.            | 8               |

California Seismic Valves are UL listed in the USA. Certified by the California State Architect's Office, Approved by the City of Los Angeles, and are warranted free of manufacturer's defects for 30 years. All valves meet California Standards for Earthquake Actuated Automatic Gas Shut off Systems, Standard No. 12-12-1, ANSI Z21.21, 2012 and ASCE 25-06 Standards.

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# 4" Model VB-316F California Seismic Valve

## Flanged Vertical - Upward Flow

### FLOW CAPACITY TABLE IWC/PSIG - Capacity S.C.F.H.

Merit Rating: Cv 480 (Equivalent Length of Pipe is 13 Feet)

For determining approximate values at selected natural gas pressures to 60 PSIG

| Pressure Drop |     | 8" iwc Inlet | 14" iwc Inlet | 3 psi Inlet | 5 psi Inlet | 7 psi Inlet | 10 psi Inlet | 20 psi Inlet | 60 psi Inlet |
|---------------|-----|--------------|---------------|-------------|-------------|-------------|--------------|--------------|--------------|
| PSI           | IWC |              |               |             |             |             |              |              |              |
| .0036         | 0.1 | 8,276        | 8,335         | 8,988       | 9,482       | 9,952       | 10,618       | 12,586       | 18,467       |
| .0072         | 0.2 | 11,702       | 11,786        | 12,710      | 13,409      | 14,073      | 15,015       | 17,798       | 26,116       |
| .0108         | 0.3 | 14,331       | 14,433        | 15,564      | 16,421      | 17,235      | 18,389       | 21,797       | 31,985       |
| .0144         | 0.4 | 16,546       | 16,664        | 17,970      | 18,960      | 19,900      | 21,232       | 25,168       | 36,932       |
| .0180         | 0.5 | 18,497       | 18,629        | 20,090      | 21,195      | 22,247      | 23,736       | 28,137       | 41,290       |
| .0216         | 0.6 | 20,260       | 20,404        | 22,005      | 23,216      | 24,368      | 26,000       | 30,821       | 45,230       |
| .0252         | 0.7 | 21,880       | 22,036        | 23,765      | 25,074      | 26,318      | 28,081       | 33,289       | 48,853       |
| .0288         | 0.8 | 23,388       | 23,555        | 25,404      | 26,803      | 28,133      | 30,017       | 35,585       | 52,225       |
| .0324         | 0.9 | 24,804       | 24,981        | 26,942      | 28,426      | 29,837      | 31,836       | 37,742       | 55,392       |
| .0360         | 1.0 | 26,143       | 26,329        | 28,396      | 29,961      | 31,448      | 33,556       | 39,782       | 58,387       |
| .0720         | 2.0 | 36,927       | 37,191        | 40,118      | 42,333      | 44,438      | 47,420       | 56,230       | 82,551       |
| .1080         | 3.0 | 45,172       | 45,496        | 49,084      | 51,799      | 54,379      | 58,035       | 68,832       | 101,080      |
| .1440         | 4.0 | 52,098       | 52,472        | 56,619      | 59,758      | 62,740      | 66,964       | 79,439       | 116,689      |
| .1800         | 5.0 | 58,177       | 58,596        | 63,237      | 66,750      | 70,086      | 74,813       | 88,769       | 130,430      |



### Vertical Valves

| Maximum Pressures of Available Sizes | 7 psi<br>60 psi | Sizes Available |    |        |        |    |        |    |    |         |        |    |    |    |    | Ambient Temperature                          |                       |
|--------------------------------------|-----------------|-----------------|----|--------|--------|----|--------|----|----|---------|--------|----|----|----|----|--|-----------------------|
|                                      |                 | NPT             |    |        |        |    |        |    |    | Flanged |        |    |    |    |    | CA DSA:<br>-30°C (-22°F) to<br>+70°C (158°F) |                       |
|                                      |                 | 3/4"            | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 2"      | 2 1/2" | 3" | 4" | 6" | 8" |  |                       |
| Fluid                                |                 | ✓               | ✓  | ✓      | ✓      | ✓  | ✓      | ✓  | ✓  | ✓       | ✓      | ✓  | ✓  | ✓  | ✓  | ✓  | Natural gas<br>LP gas |