

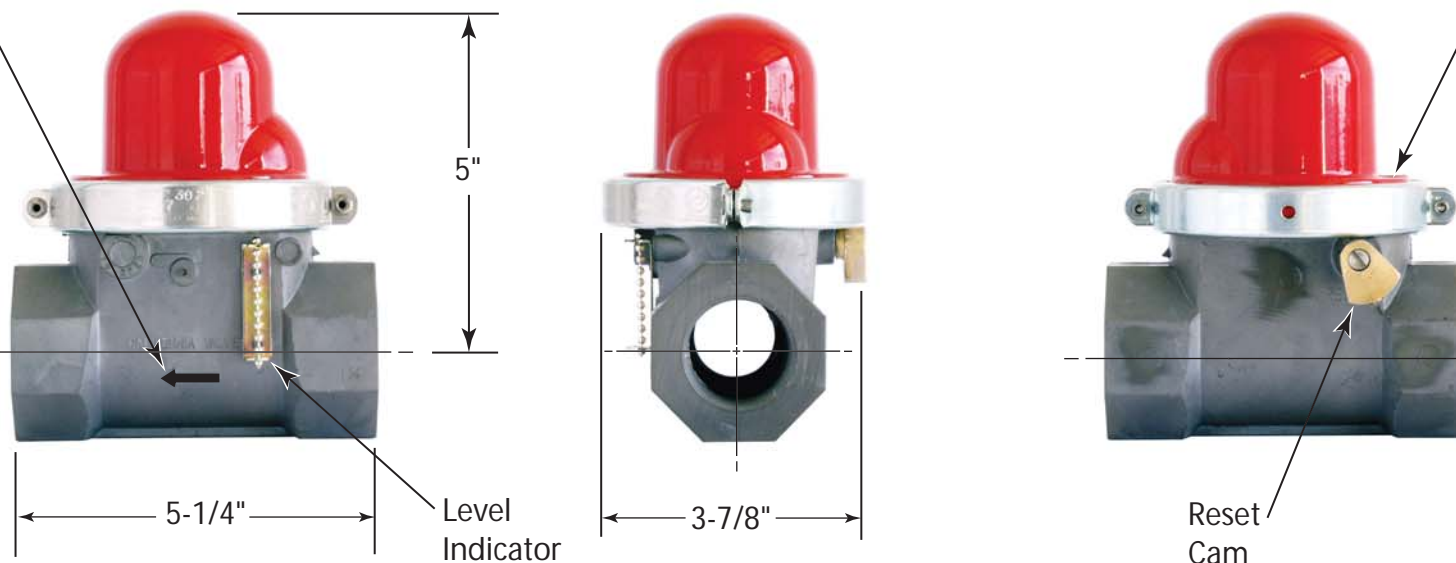
# Specifications: Model 302(7) NPT Valve

## Horizontal Flow

Distributed By  
  
**Meter, Valve & Control**  
 877-566-3837

Flow Direction  
Arrow

Visual  
Status  
Window



| Valve Model# | CA-DSA No. | Length | Height | Width  | Nominal Pipe Size | Threads Per Inch | APPLICATION   | DATA         |
|--------------|------------|--------|--------|--------|-------------------|------------------|---------------|--------------|
|              |            |        |        |        |                   |                  | Max. Pressure | Fuel         |
| 302(7)       | 45R-113R   | 5-1/4" | 5"     | 3-7/8" | 1-1/4"            | 11-1/2           | 7.0 psi       | Dry Fuel Gas |

| sales@mvandc.com | Phone: 877.566.3837 | Fax: 925.407.2903

California Seismic Valves are UL listed in the USA and Canada, 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. 12-23-1, ANSI Z21.70, 1981 and ASCE 25-97 Standards.

  
 233 East Avenue H-8 • Lancaster, CA 93535 • USA

Tel (661) 942-4499  
 Fax (661) 942-0999  
 TF (800) 4-GAS-OFF  
[www.4GasOff.net](http://www.4GasOff.net)

# 1-1/4" Model 302 California Seismic Valve Threaded Horizontal

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

Merit Rating: Cv 64 (Equivalent Length of Pipe is 4 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 | 1,103        | 1,111         | 1,198       | 1,264       | 1,327       | 1,416        | 1,678        | 2,462        |
| .0072         | 0.2 | 1,560        | 1,571         | 1,695       | 1,788       | 1,876       | 2,002        | 2,373        | 3,482        |
| .0108         | 0.3 | 1,911        | 1,924         | 2,075       | 2,189       | 2,298       | 2,452        | 2,906        | 4,265        |
| .0144         | 0.4 | 2,187        | 2,204         | 2,396       | 2,528       | 2,653       | 2,831        | 3,356        | 4,924        |
| .0180         | 0.5 | 2,466        | 2,484         | 2,679       | 2,826       | 2,966       | 3,165        | 3,752        | 5,505        |
| .0216         | 0.6 | 2,701        | 2,721         | 2,934       | 3,096       | 3,249       | 3,467        | 4,109        | 6,031        |
| .0252         | 0.7 | 2,917        | 2,938         | 3,169       | 3,343       | 3,509       | 3,744        | 4,439        | 6,514        |
| .0288         | 0.8 | 3,118        | 3,141         | 3,387       | 3,574       | 3,751       | 4,002        | 4,745        | 6,963        |
| .0324         | 0.9 | 3,307        | 3,331         | 3,592       | 3,790       | 3,978       | 4,245        | 5,032        | 7,386        |
| .0360         | 1.0 | 3,486        | 3,511         | 3,786       | 3,995       | 4,193       | 4,474        | 5,304        | 7,785        |
| .0720         | 2.0 | 4,924        | 4,959         | 5,349       | 5,644       | 5,925       | 6,323        | 7,497        | 11,007       |
| .1080         | 3.0 | 6,023        | 6,066         | 6,544       | 6,907       | 7,251       | 7,738        | 9,178        | 13,477       |
| .1440         | 4.0 | 6,946        | 6,996         | 7,549       | 7,968       | 8,365       | 8,929        | 10,592       | 15,558       |
| .1800         | 5.0 | 7,757        | 7,813         | 8,432       | 8,900       | 9,345       | 9,975        | 11,836       | 17,391       |

## Horizontal Valves



| Maximum Pressures of Available Sizes |  | Sizes Available |    |        |        |    |        |    |    |         |        |    |    |    |    | Ambient Temperature<br>UL -40° to 150° F<br>CA DSA:<br>-10° to 150°F<br>Fluid<br>Natural gas<br>LP gas |
|--------------------------------------|--|-----------------|----|--------|--------|----|--------|----|----|---------|--------|----|----|----|----|--|
|                                      |  | NPT             |    |        |        |    |        |    |    | Flanged |        |    |    |    |    |  |
|                                      |  | 3/4"            | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 2"      | 2 1/2" | 3" | 4" | 6" | 8" |  |
| 7 psi                                |  | ✓               | ✓  | ✓      | ✓      |    |        |    |    |         |        |    |    |    |    |  |
| 60 psi                               |  | ✓               | ✓  | ✓      | ✓      | ✓  | ✓      | ✓  | ✓  | ✓       | ✓      | ✓  | ✓  | ✓  |    |  |