

## Technical Data

| Valve Body | Cast Iron -125 psig working pressure |
| :--- | :--- |
| Spring and Lower Case | Die-Cast Aluminum |
| Orifice | Aluminum |
| Fulcrum Pin | Stainless Steel |
| Valve Seat | One piece molded Buna-N |
| Valve Stem | Fiberglass reinforced nylon |
| Throat/Support/Stem | Acetal insert |
| Diaphragm Plate | Plated Steel |
| Diaphragm | Nylon fabric-reinforced Buna-N with full 26 in ${ }^{2}$ effective area |
| Vent and Valve | Polyethylene valve and seat, $1^{\prime \prime} \mathrm{NPT}$ vent |
| Operating Temperature | $-20^{\circ}$ to $+150^{\circ} \mathrm{F}\left(-28.9^{\circ}\right.$ to $\left.+65.5^{\circ} \mathrm{C}\right)$ |
| Corrosion Protection | Cases dip primed chromate conversion coating, enamel topcoat |
| Internal Relief Valve | Set to relieve at approximately $7-10^{\prime \prime}$ w.c. above normal outlet <br> pressure setting |

## Dimensions



Valve Body Sizes

| Straight |
| :--- |
| $3 / 4^{\prime \prime} \times 3 / 4^{\prime \prime}$ |
| $3 / 4^{\prime \prime} \times 1^{\prime \prime}$ |
| $3 / 4^{\prime \prime} \times 1-1 / 4^{\prime \prime}$ |
| $1^{\prime \prime} \times 1^{\prime \prime}$ |
| $1^{\prime \prime} \times 1-1 / 4^{\prime \prime}$ |
| $1-1 / 4^{\prime \prime} \times 1-1 / 4^{\prime \prime}$ |

Mounting Positions


[^0]
## Capacities

SCFH Natural Gas ( 0.6 specific gravity - 14.65 psia $-60^{\circ} \mathrm{F}$ )

Pipe Size: $3 / 4 \times 3 / 4$ "

| Psig | $\mathbf{1 / 8} "$ | $\mathbf{3 / 1 6 "}$ | $\mathbf{1 / 4 "}$ | $\mathbf{5 / 1 6 "}$ | $\mathbf{3 / 8} "$ | $\mathbf{1 / 2 "}$ | $\mathbf{5 / 8} "$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 / \mathbf{2}^{*}$ | - | - | - | - | 340 | 450 | 510 |
| $1^{*}$ | - | - | - | 480 | 500 | 510 | 530 |
| $2^{*}$ | - | - | 530 | 560 | 570 | 580 | 600 |
| 3 | - | 420 | 600 | 620 | 630 | 650 | 670 |
| 5 | 250 | 560 | 700 | 720 | 730 | 770 | 790 |
| 7.5 | 310 | 700 | 840 | 860 | 880 | 900 | 900 |
| 10 | 370 | 830 | 950 | 970 | 1000 | 1020 | 1020 |
| 20 | 530 | 1200 | 1220 | 1240 | 1250 | 1270 | - |
| 40 | 860 | 1570 | 1330 | 1340 | 1450 | - | - |
| 60 | 1200 | 1660 | 1520 | - | - | - | - |
| 80 | 1500 | 1710 | - | - | - | - | - |
| 125 | 1800 | 1900 | - | - | - | - | - |

Pipe Size: $3 / 4^{\prime \prime} \times 1$ " and $1^{\prime \prime} \times 1$ 1"

| Psig | $\mathbf{1 / 8 "}$ | $\mathbf{3 / 1 6 "}$ | $\mathbf{1 / 4 "}$ | $\mathbf{5 / 1 6 "}$ | $\mathbf{3 / 8 "}$ | $\mathbf{1 / 2 "}$ | $\mathbf{5 / 8} "$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 / \mathbf{2}^{*}$ | - | - | - | - | 350 | 460 | 520 |
| $\mathbf{1}^{*}$ | - | - | - | 480 | 550 | 600 | 650 |
| $2^{*}$ | - | - | 530 | 700 | 840 | 880 | 780 |
| 3 | - | 420 | 650 | 870 | 1000 | 920 | 810 |
| 5 | 250 | 580 | 890 | 1120 | 1160 | 950 | 970 |
| 7.5 | 310 | 700 | 1140 | 1340 | 1270 | 1140 | 1060 |
| 10 | 370 | 840 | 1360 | 1500 | 1330 | 1200 | 1180 |
| 20 | 530 | 1230 | 2000 | 1600 | 1480 | 1400 | - |
| 40 | 860 | 1700 | 2000 | 1640 | 1900 | - | - |
| 60 | 1200 | 1900 | 2000 | - | - | - | - |
| 80 | 1540 | 2000 | - | - | - | - | - |
| 125 | 2100 | 2100 | - | - | - | - | - |

Pipe Size: $3 / 4^{\prime \prime} \times 1-1 / 4^{\prime \prime} ; 1$ " $\times 1-1 / 4^{\prime \prime} ; 1-1 / 4^{\prime \prime} \times 1-1 / 4^{\prime \prime}$

| Psig | $\mathbf{1 / 8} \boldsymbol{3}$ | $\mathbf{3 / 1 6 "}$ | $\mathbf{1 / 4 "}$ | $\mathbf{5 / 1 6 "}$ | $\mathbf{3 / 8} \boldsymbol{\prime}$ | $\mathbf{1 / 2 "}$ | $\mathbf{5 / 8 "}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 / \mathbf{2}^{*}$ | - | - | - | - | 350 | 460 | 520 |
| $1^{*}$ | - | - | - | 480 | 550 | 680 | 760 |
| $2^{*}$ | - | - | 530 | 700 | 840 | 1020 | 1030 |
| 3 | - | 420 | 650 | 870 | 1030 | 1200 | 1050 |
| 5 | 250 | 580 | 890 | 1180 | 1350 | 1490 | 1060 |
| 7.5 | 310 | 700 | 1140 | 1500 | 1610 | 1580 | 1060 |
| 10 | 370 | 840 | 1360 | 1700 | 1710 | 1800 | 1180 |
| 20 | 630 | 1230 | 1600 | 1800 | 1900 | 1900 | - |
| 40 | 860 | 1800 | 2200 | 1900 | 2000 | - | - |
| 60 | 1200 | 2100 | 2400 | - | - | - | - |
| 80 | 1550 | 2200 | - | - | - | - | - |
| 125 | 2250 | 2400 | - | - | - | - | - |

## NOTES:

Orifice Outlet Pressure variations:
Red \& Blue Springs 1" w.c. droop
Orange Spring $3^{\prime \prime}$ w.c. droop
Green Spring 2" w.c. droop
Black Spring 10\% droop
*The $1 / 2,1$, and 2 psig inlet pressures apply only to Red and Blue springs.
Note: Figures highlighted in each column indicate maximum capacity for each orifice at recommended pressure within the optimum performance range. This performance data is based on normal testing at 70 F flowing temperature. Changes in performance can occur at extreme low flowing temperatures.


[^0]:    For outdoor installations, it is recommended that the regulator be installed so that the regulator vent faces downward to avoid the potential for water and other foreign matter entering the regulator and interfering with the proper operation of the regulator.

