

## Suction Pressure Regulating Valves for Booster Pumps

Suction pressure regulating valves are used with booster pumps in fire protection systems when local authorities require that a minimum suction pressure be maintained. The valve is installed in the discharge line of the booster pump. The pump suction pressure is monitored through a pressure line to the controlling mechanism of the regulating valve.

### Models 108 FPS, 108FPSA, 108FC, 108FPS, 108FCA

Model 108 FPS Globe valves and Model 108FPSA Angle valves. Sizes 3, 4, 6, and 8 in. NPS. Hydraulically operated, diaphragm - actuated valves. Suction pressure adjustment range is 5 psi (35 kPa) to 30 psi (207 kPa). Available with ANSI flanged body connections as follows: Class 150 inlet by Class 150 outlet, Class 300 inlet by Class 150 outlet, rated working pressure is 250 psi (1725 kPa). Class 300 inlet by Class 300 outlet, rated working pressure is 450 psi (3103 kPa).

Friction Loss:

#### Models 108FC and 108FPS Globe Valves

### Product Specification

| Valve Size |       | Flow Rate |                        | Friction Loss |       |
|------------|-------|-----------|------------------------|---------------|-------|
| in         | (mm)  | gal/min   | (dm <sup>3</sup> /min) | psi           | (kPa) |
| 3          | (80)  | 400       | (1515)                 | 16            | (110) |
| 4          | (100) | 750       | (2840)                 | 13            | (90)  |
| 6          | (150) | 1500      | (5680)                 | 11            | (76)  |
| 8          | (200) | 3000      | (11355)                | 16            | (110) |
| 3          | (80)  | 400       | (1515)                 | 9             | (62)  |
| 4          | (100) | 750       | (2840)                 | 7             | (48)  |
| 6          | (150) | 1500      | (5680)                 | 5             | (35)  |
| 8          | (200) | 3000      | (11355)                | 9             | (62)  |

#### Models 108FCA and 108FPSA Angle Valves

|                                     |   |
|-------------------------------------|---|
| <b>Company Name:</b>                | OCV Control Valves  |
| <b>Company Address:</b>             | 7400 E 42nd Place, Tulsa, Oklahoma 74145, USA                   |
| <b>Company Website:</b>             | <a href="http://controlvalves.com">http://controlvalves.com</a> |
| <b>New/Updated Product Listing:</b> | No  |
| <b>Listing Country:</b>             | United States of America  |
| <b>Certification Type:</b>          | FM Approved   |
| <b>Class of Work:</b>               | 1363-Water Pressure Reg Valves                                  |