The Model 128 can be employed anywhere excessive flow rates must be positively prevented. It is particularly useful as a protective device against downstream line rupture.

**SERIES FEATURES**
- Valve trips closed when predetermined flow rate is detected
- Built-in orifice plate for sensing flow rate
- Valve must be manually reset to reopen
- Flow rate is adjustable with single screw
- Adjustable response speed
- Can be maintained without removal from the line
- Factory tested and can be pre-set to your requirements

**OPERATION**
The latched open, spring loaded pilot, sensing the differential across the integral orifice plate, located in the valve inlet flange, remains open as long as the flow rate is below a predetermined trip point. If flow rate rises to the trip point, the pilot closes, causing the main valve to close. The pilot remains closed until manually reset by pushing the reset button on the end of the pilot.

**COMPONENTS**
The Model 128 consists of the following components, arranged as shown on the schematic diagram:

1. Model 65 Basic Control Valve
2. Orifice Plate
3. Model 1380 Excess Flow Pilot
4. Model 126 Ejector - Fixed orifice pilot system supply restrictor
5. Model 141-2 Needle Valve - Adjustable response speed
6. Model 159 Y-strainer - Protects pilot system from dirt/debris
7. Model 141-4 Isolation Ball Valves
8. Model 155 Visual Indicator (Optional)

**MAX. PRESSURE**
The pressures listed here are maximum pressures at 100°F.

<table>
<thead>
<tr>
<th>END CONNECTIONS</th>
<th>DUCTILE IRON</th>
<th>STEEL/STN STL</th>
<th>LOW-LEAD BRONZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>150# Flanged</td>
<td>250 psi</td>
<td>285 psi</td>
<td>225 psi</td>
</tr>
<tr>
<td>300# Flanged</td>
<td>640 psi</td>
<td>740 psi</td>
<td>500 psi</td>
</tr>
</tbody>
</table>

**SIZING**
The following chart states the minimum and maximum flow rate with standard bore orifice plate. This means the valve can be adjusted to control within the ranges shown. Lower flow ranges are possible through the use of smaller orifice plate bores. All ranges are adjustable within a 4:1 ratio (high to low flow). For assistance, contact the Factory or visit www.controlvalves.com for our sizing program, ValveMaster Premier.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>1 1/4&quot;</th>
<th>1 1/2&quot;</th>
<th>2&quot;</th>
<th>2 1/2&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>6&quot;</th>
<th>8&quot;</th>
<th>10&quot;</th>
<th>12&quot;</th>
<th>14&quot;</th>
<th>16&quot;</th>
<th>24&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN. FLOW GPM</td>
<td>30</td>
<td>50</td>
<td>70</td>
<td>115</td>
<td>200</td>
<td>450</td>
<td>750</td>
<td>1050</td>
<td>1500</td>
<td>1800</td>
<td>2400</td>
<td>7000</td>
<td></td>
</tr>
<tr>
<td>MAX. FLOW GPM</td>
<td>120</td>
<td>200</td>
<td>280</td>
<td>460</td>
<td>800</td>
<td>1800</td>
<td>3000</td>
<td>4200</td>
<td>6000</td>
<td>7200</td>
<td>9600</td>
<td>28000</td>
<td></td>
</tr>
</tbody>
</table>

TOLL FREE 1.888.628.8258 • phone: (918)627.1942 • fax: (918)622.8916 • 7400 East 42nd Place, Tulsa, Ok 74145
email: sales@controlvalves.com • website: www.controlvalves.com

Global performance. Personal touch.
SIZES
GLOBE/ANGLE
Flanged Ends - 1 1/4" - 24" (globe);
1 1/4" - 16" (angle)

FLUID OPERATING TEMPERATURE RANGE
(Valve Elastomers)
EPDM - 32°F to 230°F*

MATERIALS
Body/Bonnet: Ductile Iron (epoxy coated), Carbon Steel (epoxy coated), Stainless Steel, low-lead Bronze, Others available (consult factory)
Seat Ring: low-lead Bronze, Stainless Steel
Stem: Stainless Steel, Monel
Spring: Stainless Steel
Diaphragm: EPDM*
Seat Disc: EPDM*
Pilot: low-lead Bronze, Stainless Steel
Other pilot system components: low-lead Bronze/Brass, All Stainless Steel
Tubing & Fittings: Copper/Brass, Stainless Steel

*Others available upon request.
**Valves 1-1/4" through 24" are certified to NSF/ANSI 372. Valves 4" through 24" are also certified to NSF/ANSI 61-G.

For maximum efficiency, the OCV control valve should be mounted in a piping system so that the valve bonnet (cover) is in the top position. Other positions are acceptable but may not allow the valve to function to its fullest and safest potential. In particular, please consult the factory before installing 8" and larger valves, or any valves with a limit switch, in positions other than described. Space should be taken into consideration when mounting valves and their pilot systems.

A routine inspection & maintenance program should be established and conducted yearly by a qualified technician. Consult our factory @ 1-888-628-8258 for parts and service.

How to order your Model 128 valve
When Ordering please provide:
Fluid to be controlled - Model Number - Size
Globe or Angle - End Connection - Body
Material - Trim Material - Pilot Options - Flow Rate Setting or Range - Special Requirements / Installation requirements.

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e mail: sales@controlvalves.com • website: www.controlvalves.com

U.S. DIMENSIONS - INCHES

| DIM  | END CONN.  | 1 1/4 - 1 1/2 | 2 | 2 1/2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 24 |
|------|------------|---------------|---|-------|---|---|---|---|----|----|----|----|----|----|
| C    | 150# FLGD  | 4 1/4         | 4 3/4 | 6  | 6  | 7 1/2 | 10 | 12 11/16 | 14 7/8 | 17 | -- | 20 13/16 | -- |
| D    | 150# FLGD  | 3             | 3 7/8 | 4  | 4  | 5 1/2 | 6 | 11 3/8 | 11 | -- | 15 11/16 | -- |
| ANGLE| 300# FLGD  | 3 1/8         | 4 1/8 | 4 3/8 | 4 3/8 | 5 13/16 | 6 1/2 | 8 1/2 | 12 1/16 | 11 3/4 | -- | 16 1/2 | -- |
| E    | ALL        | 6             | 6  | 6  | 6 1/2 | 8 | 10 | 11 7/8 | 15 3/8 | 17 | 19 | 19 27 |
| F    | ALL        | 3 7/8         | 3 7/8 | 3 7/8 | 3 7/8 | 6 3/8 | 6 3/8 | 6 3/8 | 6 3/8 | 6 3/8 | 8  | 8  |
| H    | ALL        | 10            | 11 | 11 | 11 | 11 | 12 | 13 | 14 | 17 | 18 | 20 | 20 | 28 1/2 |

*GROOVED END NOT AVAILABLE IN 1 1/4"