

**BLAZE**

# Pressure Relief Valve

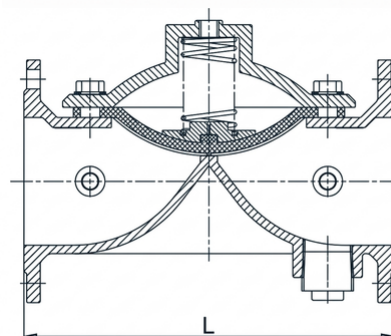
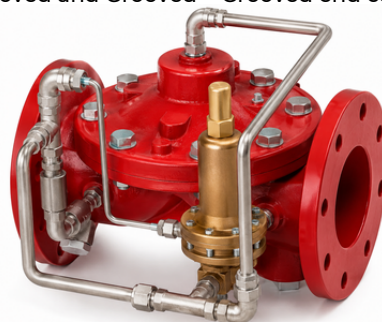
**Model : BT 5930**

## Description:

The BT 5930 Pressure Relief Valve is a pilot-operated hydraulic control valve designed to protect fire protection systems from excessive pressure. It automatically relieves excess pressure to maintain a safe, preset system pressure and provides accurate pressure control over a wide flow range. Constructed from durable ductile iron with stainless steel control components and an epoxy-coated body, it offers long-lasting, corrosion-resistant performance. Available with Flange × Flange, Flange × Grooved and Grooved × Grooved end connections, the valve is FM Approved and rated for a maximum working pressure of 300 psi.

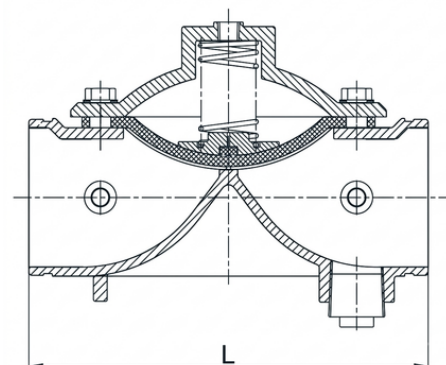
## Specifications:

|                           |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Size                      | DN 50-DN 300 (2" - 12")                                                                                               |
| Maximum Working Pressure  | 20.7 bar (300 psi)                                                                                                    |
| Temperature Range         | 0°C to 87°C (32°F to 188°F)                                                                                           |
| Approvals                 | FM 1362 Approved.                                                                                                     |
| End Connection            | Flanged to ANSI Class 150 RF<br>(*ANSI Class 125 / PN 16 Available on Request)<br>Grooved Ends to AWWA C606 Standard. |
| Coating                   | FBE Coating in accordance with ANSI / AWWA C550.<br>Average Coating Thickness 250 Microns                             |
| Pressure Adjustment Range | 65 psi to 300 psi                                                                                                     |



## Dimensions :

| Order Code               | Size | L<br>(mm / inch) |
|--------------------------|------|------------------|
| BT-5930-050-300-RF / -GG | 2"   | 233 / 9.2"       |
| BT-5930-065-300-RF / -GG | 2 ½" | 290 / 11.5"      |
| BT-5930-080-300-RF / -GG | 3"   | 310 / 12.2"      |
| BT-5930-100-300-RF / -GG | 4"   | 356 / 14"        |
| BT-5930-125-300-RF / -GG | 5"   | 370 / 14.5"      |
| BT-5930-150-300-RF / -GG | 6"   | 436 / 17.2"      |
| BT-5930-200-300-RF / -GG | 8"   | 530 / 20.8"      |
| BT-5930-250-300-RF / -GG | 10"  | 636 / 25"        |
| BT-5930-300-300-RF / -GG | 12"  | 835 / 32.8"      |

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Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

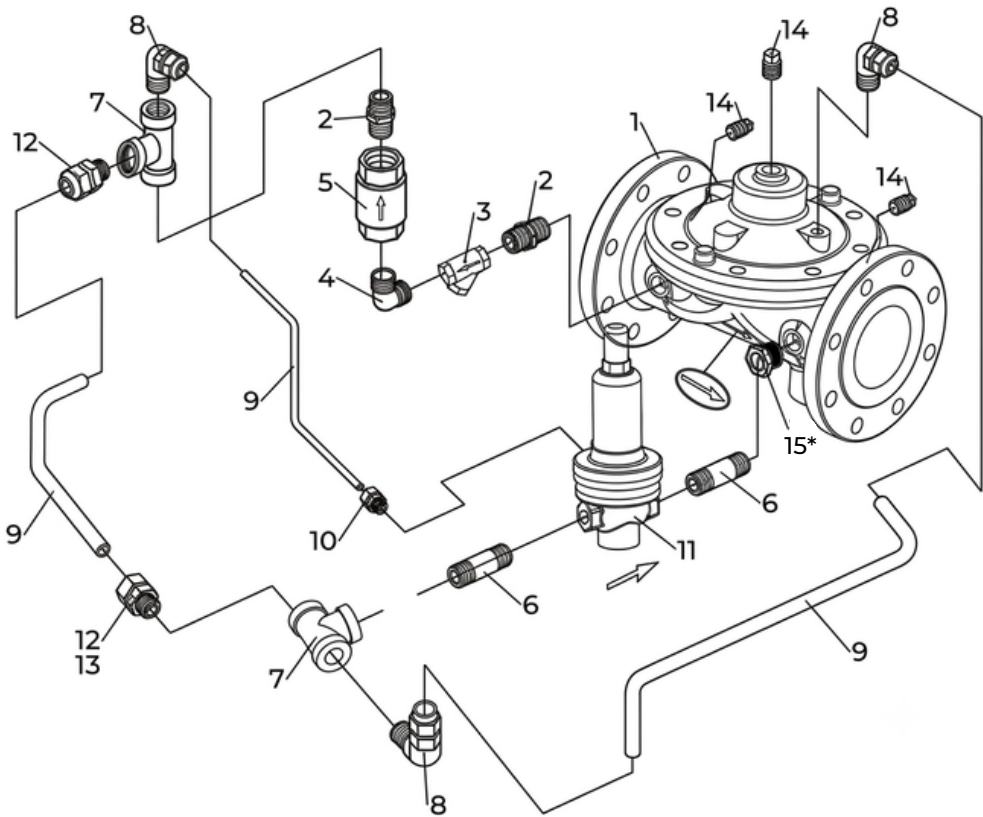
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# Pressure Relief Valve

Model : BT 5930



## Material Specifications:

| Item | Part Name          | Material        | ASTM Specification  |
|------|--------------------|-----------------|---------------------|
| 1    | Main Valve         | BT 5930         | A536 Grade 65-45-12 |
| 2    | Male Thread Nipple | Stainless Steel | A351 Grade CF8      |
| 3    | Y-Strainer         | Stainless Steel | A351 Grade CF8      |
| 4    | Male Thread Elbow  | Stainless Steel | A351 Grade CF8      |
| 5    | Check Valve        | Stainless Steel | A351 Grade CF8      |
| 6    | Male Thread Nipple | Stainless Steel | A276 Type 304       |
| 7    | Female Thread Tee  | Stainless Steel | A351 Grade CF8      |
| 8    | Union Elbow        | Stainless Steel | A351 Grade CF8      |

| Item | Part Name             | Material        | ASTM Specification |
|------|-----------------------|-----------------|--------------------|
| 9    | Tube                  | Stainless Steel | A276 Type 304      |
| 10   | Male Union Connection | Stainless Steel | A276 Type 304      |
| 11   | Pressure Relief Pilot | Bronze          | B148 C95200        |
| 12   | Restriction Orifice   | Stainless Steel | A276 Type 304      |
| 13   | Male Union Connection | Stainless Steel | A276 Type 304      |
| 14   | Plug                  | Stainless Steel | A276 Type 304      |
| *15  | Reducing Joint        | Stainless Steel | A276 Type 304      |

\* Only for Sizes 2" to 5"

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