

## Introduction

This installation guide provides instructions for installation, startup and adjustment. To receive a copy of the instruction manual, contact your local Sales Office or view a copy at [www.fisher.com](http://www.fisher.com). For further information refer to: Type EZR Relief Instruction Manual, D102629X012.

## PED/PE(S)R Categories

This product may be used as a safety accessory with pressure equipment in the following categories. It may also be used outside of these Directives using Sound Engineering Practice (SEP) per table below. For information on the current PED/PE(S)R revision, see Bulletin: [D103053X012](#).

| PRODUCT SIZE   | CATEGORIES | FLUID GROUP |
|--|------------|-------------|
| DN 25, 50, 80, 100 and 150 /<br>NPS 1, 2, 3, 4 and 6 | III        | 1           |

## Specifications

### Main Valve Body Size, End Connection Styles and Body Ratings<sup>(1)</sup>

See Table 1

### Maximum Relief (Inlet) Pressure<sup>(1)</sup>

See Tables 2 and 5

### Minimum Relief Set Pressure<sup>(1)</sup>

1.4 bar / 20 psig

### Set Pressure Control Ranges

See Table 2

### Temperature Capabilities<sup>(1)</sup>

See Table 4

## Installation



### WARNING

**Only qualified personnel should install or service a backpressure regulator. Backpressure regulator should be installed, operated and maintained in accordance with international and applicable codes and regulations and Emerson Process Management Regulator Technologies, Inc. instructions.**

**If using a backpressure regulator on a hazardous or flammable fluid service, personal injury and property damage could occur due to fire or explosion of vented fluid that may have accumulated. To prevent such injury or damage, provide piping or tubing to vent the fluid to a safe, well-ventilated area or containment vessel. Also, when venting a hazardous fluid, the piping or tubing should be located far enough away from any buildings or windows so to not create a further hazard, and the vent opening should be protected against anything that could clog it.**

**Personal injury, equipment damage or leakage due to escaping fluid or bursting of pressure-containing parts may result if this backpressure regulator is overpressured or is installed where service conditions could exceed the limits given in the Specifications section, or where conditions exceed any ratings of the adjacent piping or piping connections.**

**To avoid such injury or damage, provide pressure-relieving or pressure-limiting devices (as required by the appropriate code, regulation or standard) to prevent service conditions from exceeding limits.**

**Additionally, physical damage to the backpressure regulator could result in personal injury and property damage due to escaping fluid. To avoid such injury and damage, install the backpressure regulator in a safe location.**

Clean out all pipelines before installation of the backpressure regulator and check to be sure the backpressure regulator has not been damaged or has collected foreign material during shipping. For NPT bodies, apply pipe compound to the external pipe threads. For flanged bodies, use suitable line gaskets and approved piping and bolting practices. Install the backpressure regulator in any position desired, unless otherwise specified, but be sure flow through the body is in the direction indicated by the arrow on the body.

1. The pressure/temperature limits in this installation guide and any applicable standard or code limitation should not be exceeded.

# Type EZR Relief

**Table 1. Main Valve Body Sizes, End Connection Styles and Structural Design Ratings**

| MAIN VALVE BODY SIZE    |                  | MAIN VALVE BODY MATERIAL | END CONNECTION STYLE                         | STRUCTURAL DESIGN RATING |      |
|-------------------------|------------------|--------------------------|--|--------------------------|------|
| DN                      | NPS              |                          |  | bar                      | psig |
| 50, 80, 100 and 150     | 2, 3, 4 and 6    | Cast iron                | NPT (NPS 2 / DN 50 only)                     | 27.6                     | 400  |
|                         |                  |                          | CL125 FF                                     | 13.8                     | 200  |
|                         |                  |                          | CL250 FF                                     | 34.5                     | 500  |
| 25, 50, 80, 100 and 150 | 1, 2, 3, 4 and 6 | WCC steel                | NPT or SWE (NPS 1 and 2 / DN 25 and 50 only) | 102                      | 1480 |
|                         |                  |                          | CL150 RF                                     | 19.7                     | 285  |
|                         |                  |                          | CL300 RF                                     | 51.0                     | 740  |
|                         |                  |                          | CL600 RF or BWE                              | 102                      | 1480 |
| 200                     | 8                | LCC steel                | CL150 RF                                     | 19.7                     | 285  |
|                         |                  |                          | CL300 RF                                     | 51.0                     | 740  |
|                         |                  |                          | CL600 RF                                     | 102                      | 1480 |

**Table 2. Set Pressure Ranges, Pilot Pressure Ratings and Pilot Information<sup>(1)</sup>**

| PILOT TYPE     | RELIEF SET PRESSURE RANGE                   |                                       | PILOT CONTROL INFORMATION  |      |                            |      |
|----------------|---|---------------------------------------|----------------------------|------|----------------------------|------|
|                |   |                                       | Maximum Operating Pressure |      | Maximum Emergency Pressure |      |
|                | bar   | psig                                  | bar                        | psig | bar                        | psig |
| 6358 and 6358B | 1.4 to 2.8<br>2.4 to 8.6                    | 20 to 40<br>35 to 125                 | 10.3                       | 150  | 10.3                       | 150  |
| 6358EB         | 5.2 to 9.7<br>9.0 to 13.8<br>12.4 to 24.1   | 75 to 140<br>130 to 200<br>180 to 350 | 44.8                       | 650  | 51.7                       | 750  |
| 6358EBH        | 17.3 to 31.0<br>27.6 to 41.4 <sup>(2)</sup> | 250 to 450<br>400 to 600              |                            |      |                            |      |
| PRX/182        | 2 to 8<br>5 to 20<br>15 to 42               | 29 to 116<br>73 to 290<br>217 to 609  | 12.0                       | 609  | 102                        | 1480 |
| PRX/182-AP     | 30 to 80                                    | 435 to 1160                           | 80.0                       | 1160 | 102                        | 1480 |

1. See the Main Valve Body Sizes, End Connections, Structural Design Ratings tables and the Main Valve Diaphragm and Spring Pressure Ratings table for additional pressure ratings.  
2. Fluorocarbon (FKM) diaphragms are limited to 31.0 bar / 450 psig.

## Note

It is important that the backpressure regulator be installed so that the vent hole in the spring case is unobstructed at all times. For outdoor installations, the backpressure regulator should be located away from vehicular traffic and positioned so that water, ice and other foreign materials cannot enter the spring case through the vent. Avoid placing the backpressure regulator beneath eaves or downspouts, and be sure it is above the probable snow level.

the cage and down through the cage slots. Change the existing flow arrow if necessary.

## Overpressure Protection

Maximum inlet pressures depend upon body materials and temperatures. Refer to the nameplate for the maximum inlet pressure of the valve. The valve should be inspected for damage after any overpressure condition. **Fisher backpressure regulators are NOT ASME safety relief valves.**

## Startup

The backpressure regulator is factory set at approximately the midpoint of the spring range or the pressure requested, so an initial adjustment may be required to give the desired results. With proper installation completed and relief valves properly adjusted, slowly open the upstream and downstream shutoff valves (if applicable).



## CAUTION

When installing Type EZR trim in an existing Fisher™ E-body, damage can result if flow is not in the correct direction. Look at the body web to confirm that flow is in the correct direction—up through the center of

**Table 3. Main Valve Minimum Differential Pressures<sup>(1)</sup>**

| MAIN VALVE BODY SIZE |     | MAIN SPRING PART NUMBER AND COLOR CODE                                | DIAPHRAGM MATERIAL | MINIMUM DIFFERENTIAL, PERCENT OF CAGE CAPACITY |      |          |      |          |      |                   |      |          |      |          |      |    |
|----------------------|-----|---|--------------------|--|------|----------|------|----------|------|-------------------|------|----------|------|----------|------|----|
|                      |     |   |                    | FOR 90% CAPACITY                               |      |          |      |          |      | FOR 100% CAPACITY |      |          |      |          |      |    |
| DN                   | NPS |   |                    | 100% Trim                                      |      | 60% Trim |      | 30% Trim |      | 100% Trim         |      | 60% Trim |      | 30% Trim |      |    |
|                      |     | bar   | psi                | bar  | psi  | bar      | psi  | bar      | psi  | bar               | psi  | bar      | psi  | bar      | psi  |    |
| 25                   | 1   | 19B2400X012, Light Blue   | 17E68 and 17E88    |  | 1.7  | 24       | 2.0  | 29       | 2.2  | 31                | 1.7  | 24       | 2.2  | 31       | 2.8  | 40 |
|                      |     | GE12727X012, Black  | 17E97              |  | 2.5  | 35       | 2.7  | 38       | 2.9  | 42                | 2.5  | 35       | 2.7  | 39       | 3.6  | 52 |
|                      |     |   | 17E68 and 17E88    |  | 2.1  | 30       | 2.4  | 35       | 2.7  | 39                | 2.1  | 30       | 2.5  | 36       | 3.6  | 52 |
|                      |     | 19B2401X012, Black with White Stripe <sup>(3)</sup>                   | 17E88 and 17E97    |  | 3.0  | 43       | 3.4  | 50       | 3.9  | 56                | 3.0  | 43       | 3.7  | 53       | 4.7  | 68 |
| 50                   | 2   | 19B0951X012, Yellow <sup>(2)</sup>                                    | 17E68 and 17E88    |  | 0.83 | 12       | 1.0  | 15       | 1.0  | 15                | 0.83 | 12       | 1.7  | 25       | 1.4  | 20 |
|                      |     | 18B2126X012, Green  | 17E97              |  | 1.7  | 24       | 1.7  | 25       | 1.8  | 26                | 1.7  | 24       | 2.1  | 30       | 2.6  | 37 |
|                      |     |   | 17E68 and 17E88    |  | 1.2  | 18       | 1.4  | 20       | 1.5  | 22                | 1.3  | 19       | 1.8  | 26       | 1.9  | 28 |
|                      |     | 18B5955X012, Red <sup>(3)</sup><br>GE05504X012, Purple <sup>(3)</sup> | 17E88 and 17E97    |  | 2.0  | 29       | 2.0  | 29       | 2.1  | 31                | 2.1  | 31       | 2.4  | 35       | 3.03 | 43 |
| 80                   | 3   | T14184T0012, Yellow <sup>(2)</sup>                                    | 17E68 and 17E88    |  | 1.1  | 16       | 1.3  | 19       | 1.7  | 24                | 1.6  | 23       | 1.6  | 23       | 2.0  | 29 |
|                      |     | 19B0781X012, Light Blue   | 17E97              |  | 1.6  | 23       | 1.6  | 23       | 1.6  | 23                | 1.6  | 23       | 1.6  | 23       | 1.7  | 25 |
|                      |     |   | 17E68 and 17E88    |  | 1.5  | 21       | 1.5  | 22       | 1.9  | 28                | 1.9  | 28       | 1.9  | 28       | 2.3  | 33 |
|                      |     | 19B0782X012, Black <sup>(3)</sup>                                     | 17E88 and 17E97    |  | 2.2  | 32       | 2.3  | 33       | 3.0  | 43                | 2.6  | 38       | 2.6  | 38       | 3.4  | 50 |
| 100                  | 4   | T14184T0012, Yellow <sup>(2)</sup>                                    | 17E68 and 17E88    |  | 0.69 | 10       | 0.83 | 12       | 0.97 | 14                | 1.7  | 25       | 1.7  | 25       | 1.7  | 25 |
|                      |     | 18B8501X012, Green  | 17E97              |  | 1.1  | 16       | 1.2  | 17       | 1.5  | 21                | 2.3  | 34       | 2.3  | 34       | 2.3  | 34 |
|                      |     |   | 17E68 and 17E88    |  | 1.1  | 16       | 1.2  | 17       | 1.4  | 20                | 2.1  | 30       | 2.1  | 30       | 2.1  | 30 |
|                      |     | 18B8502X012, Red <sup>(3)</sup>                                       | 17E88 and 17E97    |  | 1.5  | 21       | 1.7  | 24       | 1.8  | 26                | 2.8  | 40       | 2.8  | 40       | 2.8  | 40 |
| 150                  | 6   | 19B0364X012, Yellow <sup>(2)</sup>                                    | 17E97              |  | 0.69 | 10       | 0.76 | 11       | 0.97 | 14                | 0.83 | 12       | 1.1  | 16       | 1.1  | 16 |
|                      |     |   | 17E88              |  | 0.69 | 10       | 0.90 | 13       | 0.90 | 13                | 0.83 | 12       | 1.5  | 21       | 1.5  | 21 |
|                      |     | 19B0366X012, Green  | 17E97              |  | 0.97 | 14       | 1.5  | 22       | 1.5  | 22                | 1.3  | 19       | 2.0  | 29       | 2.0  | 29 |
|                      |     |   | 17E88              |  | 1.2  | 17       | 1.5  | 21       | 1.5  | 21                | 1.4  | 20       | 2.5  | 36       | 2.5  | 36 |
|                      |     | 19B0365X012, Red <sup>(3)</sup>                                       | 17E88 and 17E97    |  | 1.6  | 23       | 2.0  | 29       | 2.0  | 29                | 2.1  | 30       | 2.8  | 41       | 2.8  | 41 |
| 200                  | 8   | GE09393X012, Yellow <sup>(2)</sup>                                    | 17E97              |  | 1.1  | 16       | ---- | ----     |      |                   | 1.3  | 19       | ---- | ----     |      |    |
|                      |     | GE09396X012, Green  |                    |  | 1.4  | 20       |      |          |      |                   | 1.6  | 23       |      |          |      |    |
|                      |     | GE09397X012, Red <sup>(3)</sup>                                       |                    |  | 1.8  | 26       |      |          |      |                   | 2.1  | 30       |      |          |      |    |

1. See Table 1 for structural design ratings, Table 3 for pilot ratings and Table 6 for maximum pressure ratings.
2. The white and yellow springs are only recommended for inlet pressures under 6.9 bar / 100 psig.
3. The red, black, purple, red stripe and black with white stripe springs are only recommended for applications where the maximum inlet pressure can exceed 34.5 bar / 500 psig.

**Table 4. Temperature Capabilities**

| 17E68 NITRILE (NBR)        | 17E97 <sup>(1)</sup> NITRILE (NBR) | 17E88 FLUOROCARBON (FKM)                 |
|----------------------------|------------------------------------|--|
| -28 to 66°C / -20 to 150°F | -17 to 66°C / 0 to 150°F           | -17 to 121°C / 0 to 250°F <sup>(2)</sup> |

1. The DN 150 / NPS 6, 17E97 diaphragm will perform in gas temperatures as low as -29°C / -20°F.
2. For differential pressures above 27.6 bar / 400 psig diaphragm temperature is limited to 66°C / 150°F.

## Adjustment

To change the set pressure, remove closing cap or loosen the locknut and turn the adjusting screw clockwise to increase set pressure or counterclockwise to decrease pressure. Monitor the set pressure with a test gauge during the adjustment. Replace closing cap or tighten the locknut to maintain the desired setting.

## Taking Out of Service (Shutdown)



**WARNING**

To avoid personal injury resulting from sudden release of pressure, isolate the backpressure regulator from all pressure before attempting disassembly.

If pressure is introduced first to the main valve before the pilot, the main valve may go wide-open and subject the downstream system to full inlet pressure.

# Type EZR Relief

**Table 5. Main Valve Maximum Pressure Ratings**

| BODY SIZE |     | DIAPHRAGM MATERIAL   | MAXIMUM OPERATING INLET PRESSURE <sup>(4)</sup> |      | MAXIMUM OPERATING DIFFERENTIAL PRESSURE <sup>(4)</sup> |      | MAXIMUM EMERGENCY INLET AND DIFFERENTIAL PRESSURE |      | MAIN SPRING COLOR CODE                      | DIAPHRAGM DESIGNATION |
|-----------|-----|--|---|------|--|------|---|------|---|-----------------------|
| DN        | NPS |  | bar   | psig | bar d  | psid | bar d   | psid |   |                       |
| 25        | 1   | 17E68 Nitrile (NBR)<br>Low temperature                                   | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Light Blue                                  | 130                   |
|           |     |  | 31.7  | 460  | 27.6   | 400  | 31.7  | 460  | Black                                       |                       |
|           |     | 17E97 Nitrile (NBR)<br>High pressure and/or erosion resistance           | 34.5  | 500  | 34.5   | 500  | 72.4  | 1050 | Black                                       |                       |
|           |     |  | 72.4  | 1050 | 55.2   | 800  | 72.4  | 1050 | Black with White Stripe <sup>(2)</sup>      |                       |
|           |     | 17E88 Fluorocarbon (FKM)<br>High aromatic hydrocarbon content resistance | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Light Blue                                  |                       |
|           |     |  | 34.5  | 500  | 34.5 <sup>(3)</sup>                                    | 500  | 51.7  | 750  | Black                                       |                       |
| 50        | 2   | 17E68 Nitrile (NBR)<br>Low temperature                                   | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 31.7  | 460  | 27.6   | 400  | 31.7  | 460  | Green                                       |                       |
|           |     | 17E97 Nitrile (NBR)<br>High pressure and/or erosion resistance           | 34.5  | 500  | 34.5   | 500  | 72.4  | 1050 | Green                                       |                       |
|           |     |  | 72.4  | 1050 | 55.2   | 800  | 72.4  | 1050 | Red <sup>(2)</sup> or Purple <sup>(2)</sup> |                       |
|           |     | 17E88 Fluorocarbon (FKM)<br>High aromatic hydrocarbon content resistance | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 34.5  | 500  | 34.5 <sup>(3)</sup>                                    | 500  | 51.7  | 750  | Green                                       |                       |
| 80        | 3   | 17E68 Nitrile (NBR)<br>Low temperature                                   | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 24.8  | 360  | 20.7   | 300  | 34.5  | 500  | Light Blue                                  |                       |
|           |     | 17E97 Nitrile (NBR)<br>High-pressure and/or erosion resistance           | 34.5  | 500  | 34.5   | 500  | 72.4  | 1050 | Light Blue                                  |                       |
|           |     |  | 72.4  | 1050 | 55.2   | 800  | 72.4  | 1050 | Black <sup>(2)</sup>                        |                       |
|           |     | 17E88 Fluorocarbon (FKM)<br>High aromatic hydrocarbon content resistance | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 34.5  | 500  | 34.5 <sup>(3)</sup>                                    | 500  | 51.7  | 750  | Light Blue                                  |                       |
| 100       | 4   | 17E68 Nitrile (NBR)<br>Low temperature                                   | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 24.8  | 360  | 20.7   | 300  | 34.5  | 500  | Green                                       |                       |
|           |     | 17E97 Nitrile (NBR)<br>High pressure and/or erosion resistance           | 34.5  | 500  | 34.5   | 500  | 72.4  | 1050 | Green                                       |                       |
|           |     |  | 72.4  | 1050 | 55.2   | 800  | 72.4  | 1050 | Red <sup>(2)</sup>                          |                       |
|           |     | 17E88 Fluorocarbon (FKM)<br>High aromatic hydrocarbon content resistance | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 34.5  | 500  | 34.5 <sup>(3)</sup>                                    | 500  | 51.7  | 750  | Green                                       |                       |
| 150       | 6   | 17E97 Nitrile (NBR)<br>High pressure and/or erosion resistance           | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 34.5  | 500  | 34.5   | 500  | 72.4  | 1050 | Green                                       |                       |
|           |     | 17E88 Fluorocarbon (FKM)<br>High aromatic hydrocarbon content resistance | 72.4  | 1050 | 55.2   | 800  | 72.4  | 1050 | Red <sup>(2)</sup>                          |                       |
|           |     |  | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     | 17E97 Nitrile (NBR)<br>High pressure and/or erosion resistance           | 34.5  | 500  | 34.5   | 500  | 51.7  | 750  | Green                                       |                       |
|           |     |  | 51.7  | 750  | 34.5 <sup>(3)</sup>                                    | 500  | 51.7  | 750  | Red <sup>(2)</sup>                          |                       |
| 200       | 8   | 17E97 Nitrile (NBR)<br>High pressure and/or erosion resistance           | 6.9   | 100  | 6.9  | 100  | 6.9   | 100  | Yellow                                      |                       |
|           |     |  | 34.5  | 500  | 34.5   | 500  | 72.4  | 1050 | Green                                       |                       |
|           |     |  | 72.4  | 1050 | 55.2   | 800  | 72.4  | 1050 | Red <sup>(2)</sup>                          |                       |

1. See Table 1 for main valve structural design ratings and Table 3 for pilot ratings.  
 2. The red, black, purple, red stripe and black with white stripe springs are only recommended for applications where the maximum inlet pressure can exceed 34.5 bar / 500 psig.  
 3. For differential pressures above 27.6 bar d / 400 psid diaphragm temperatures are limited to 66°C / 150°F.  
 4. These are recommendations that provide the best regulator performance for a typical application. Please contact your local Sales Office for further information if a deviation from the standard recommendations is required.

## Parts List

### Type EZR Main Valve

| Key  | Description   |
|------|---|
| 1    | Valve Body  |
| 2    | Bonnet Assembly   |
| 3    | Cap Screw   |
| 4    | Hex Nut   |
| 5    | Top Plug  |
| 6*   | O-ring  |
| 7    | Cage  |
| 8*   | Cage O-ring   |
| 9*   | Diaphragm   |
| 10*  | O-ring  |
| 11   | Bottom Plug   |
| 12   | Main Spring   |
| 13   | Flanged Locknut   |
| 14*  | Top Plug O-ring   |
| 15   | Stem  |
| 16   | Backup Ring   |
| 17   | Upper Spring Seat   |
| 18*  | O-ring  |
| 19   | Indicator Fitting or Indicator Plug                             |
| 20   | Indicator Washer  |
| 21   | Indicator Cover   |
| 22   | Indicator Protector   |
| 23   | Inlet Strainer or Strainer Replacement Shim                     |
| 24   | Nameplate   |
| 25   | Flow Arrow  |
| 26   | Drive Screw (5 required)<br>DN 200 / NPS 8 body (6 required)    |
| 28*  | O-ring  |
| 47   | Nut (DN 200 / NPS 8 only)                                       |
| 63   | Pilot Supply Pipe Plug  |
| 64   | Bonnet Pipe Plug  |
| 70*  | O-ring  |
| 71   | Restrictor Plate  |
| 72   | E-ring, for Restricted Trim<br>DN 25 to 100 / NPS 1 to 4 bodies |
| 79   | Washer (DN 150 / NPS 6 body only)                               |
| 83   | Machine Screw (DN 50 / NPS 2 only)                              |
| 121* | O-ring (DN 150 / NPS 6 body only)                               |
| 126  | Cap Screw (DN 150 / NPS 6 body only)                            |
| 129  | Socket Head Screw (DN 25 / NPS 1 only)                          |
| 130  | Lock Washer (DN 25 / NPS 1 only)                                |
| 133* | O-ring, (DN 200 / NPS 8 only)                                   |
| 136  | Stud, Steel (DN 200 / NPS 8 only)                               |
| 137  | Lower Spring Seat (DN 200 / NPS 8 only)                         |
| 140  | Bushing (DN 150 and 200 / NPS 6 and 8 only)                     |

### 6358 Series Pilots

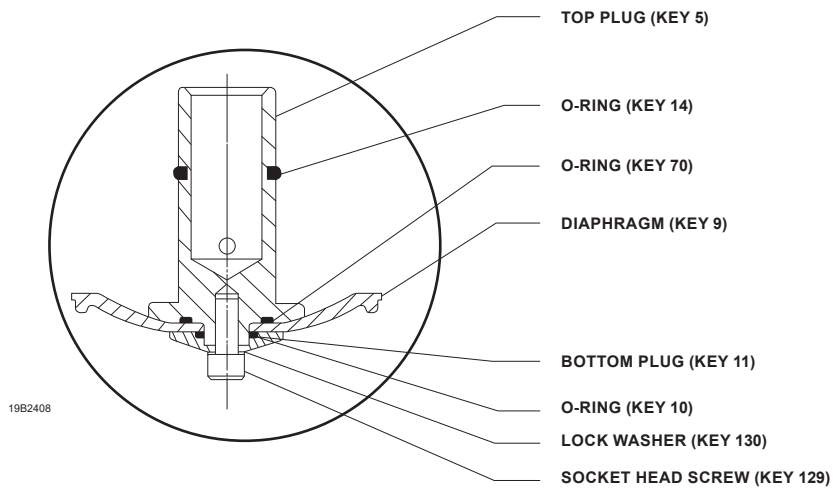
| Key | Description  |
|-----|--|
| 1   | Pilot Body   |
| 2   | Spring Case  |
| 3   | Body Plug  |
| 4*  | Valve Plug   |
| 5*  | Diaphragm Assembly   |
| 6   | Connector Cap  |
| 7   | Control Spring   |
| 8   | Spring Seat  |
| 9   | Stem Guide   |
| 10  | Adjusting Screw  |
| 11  | Locknut  |
| 12  | Closing Cap  |
| 13* | Body Plug O-ring   |
| 14  | Valve Spring   |
| 15* | O-ring (Type 6358EBH only)   |
| 16  | Vent Assembly, Type Y602X1-A12   |
| 17  | Machine Screw  |
| 18* | O-ring (Types 6358EB and 6358EBH)  |
| 19* | Closing Cap Gasket (Types 6358 and 6358B)                                  |
| 20  | Restriction or Restriction Plug  |
| 36* | Connector Cap Gasket   |
| 37  | Stem O-ring  |
| 38  | Lower Spring Seat, Types 6358EB and 6358EBH                                |
| 40  | Diaphragm Limiter for Type 6358EB at 12.4 to 24.1 bar /<br>180 to 350 psig |

### PRX Series Pilots

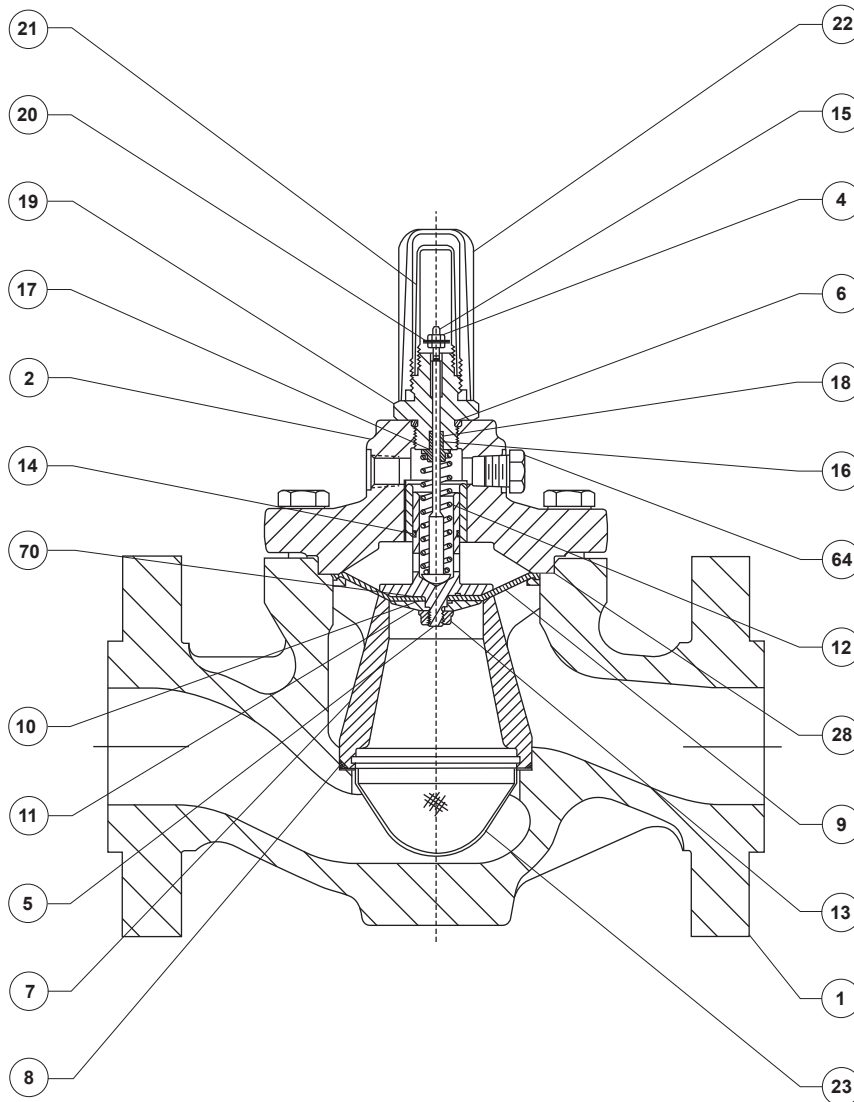
| Key | Description                    |
|-----|--------------------------------|
| 1   | Adjusting Screw                |
| 2   | Locknut                        |
| 3   | Cap                            |
| 4*  | Spring Case O-ring             |
| 5*  | O-ring                         |
| 6   | Upper Spring Seat              |
| 7   | Spring                         |
| 8   | Spring Case                    |
| 9   | Lower Spring Seat              |
| 10  | Machine Screw                  |
| 11  | Washer                         |
| 12  | Filter                         |
| 13  | Diaphragm Plate                |
| 14* | Diaphragm                      |
| 15  | Diaphragm Plate                |
| 16  | Body                           |
| 17* | Orifice O-ring                 |
| 18* | Lower Cover O-ring             |
| 19  | Seat                           |
| 20  | Nut                            |
| 21  | Lower Cover                    |
| 22* | Disk Holder                    |
| 23  | Stem                           |
| 24  | Nameplate                      |
| 25* | Stem O-ring                    |
| 26  | Upper Diaphragm Nut            |
| 28* | Restrictor/Damper O-ring,      |
| 29  | Nameplate                      |
| 31  | Nameplate Screw                |
| 33  | Restrictor Plug                |
| 34  | Pipe Plug                      |
| 35  | Spring Barrel Extension for AP |

\*Recommended Spare Part

# Type EZR Relief



**DN 25 / NPS 1  
DIAPHRAGM ASSEMBLY**



**MAIN VALVE ASSEMBLY FOR DN 25, 50, 80 AND 100 / NPS 1, 2, 3 AND 4 BODY SIZES**

**Figure 1. Type EZR Main Valve with Travel Indicator**

# Type EZR Relief

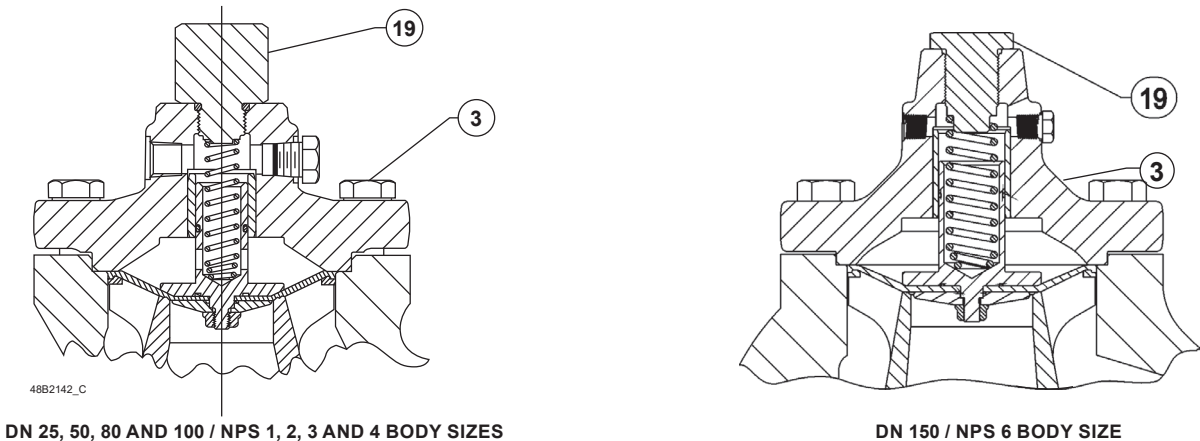


Figure 2. Type EZR Travel Indicator Plug Option

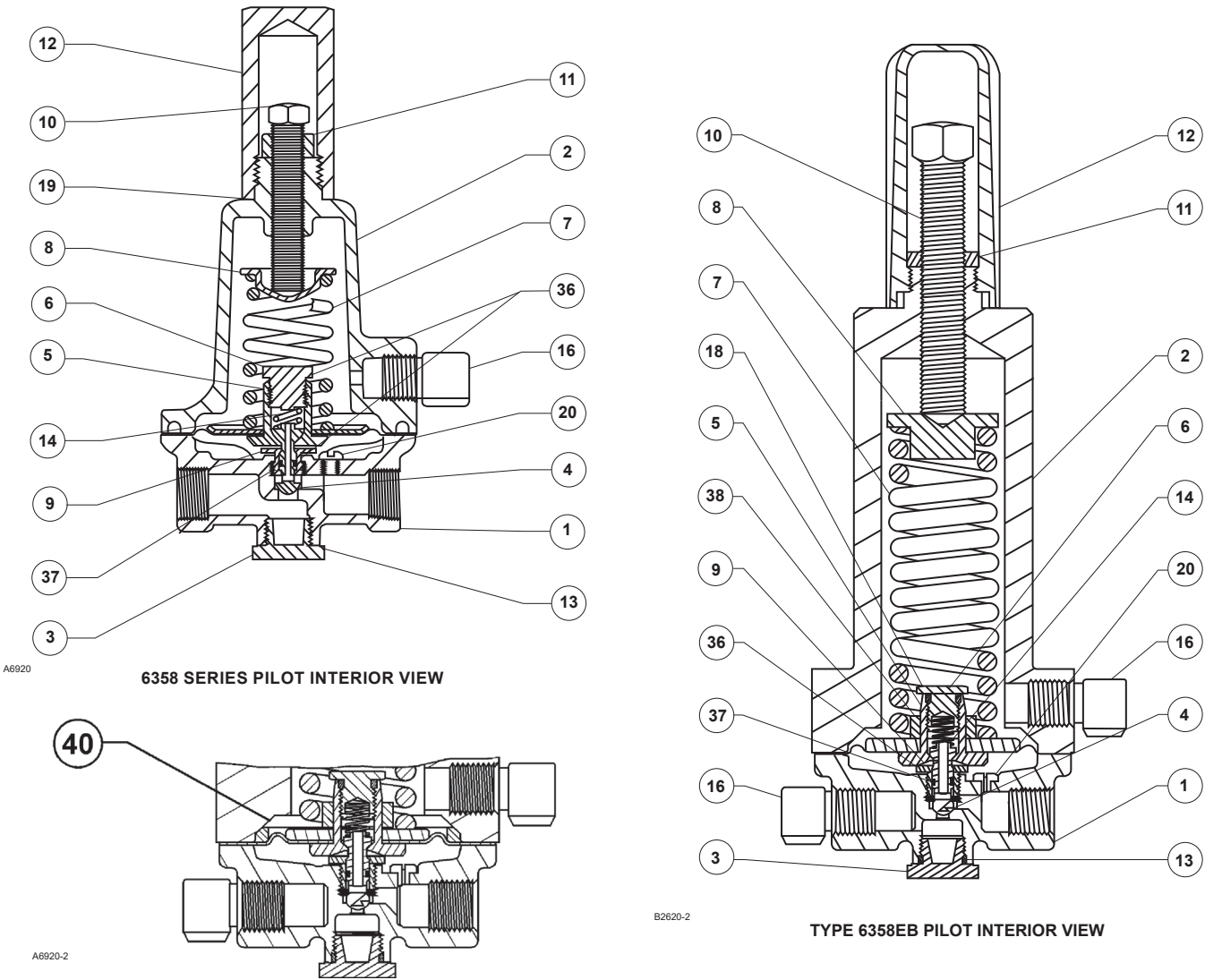


Figure 3. Types 6358 and 6358EB Pilots

# Type EZR Relief

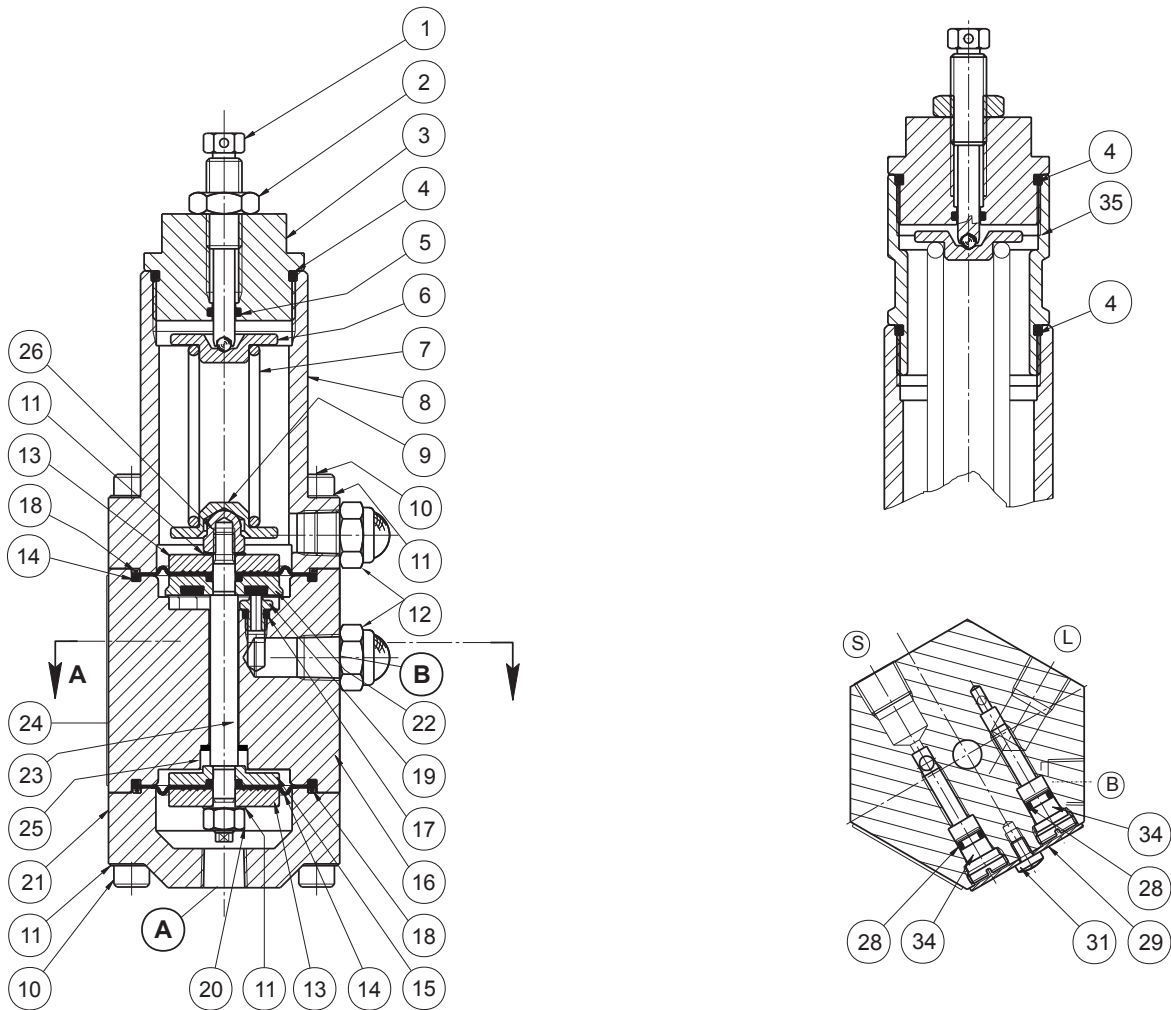


Figure 4. Type PRX/182 Pilot Schematics

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