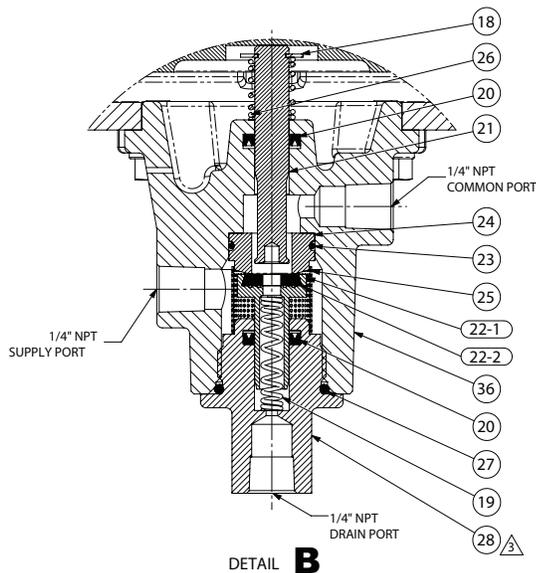
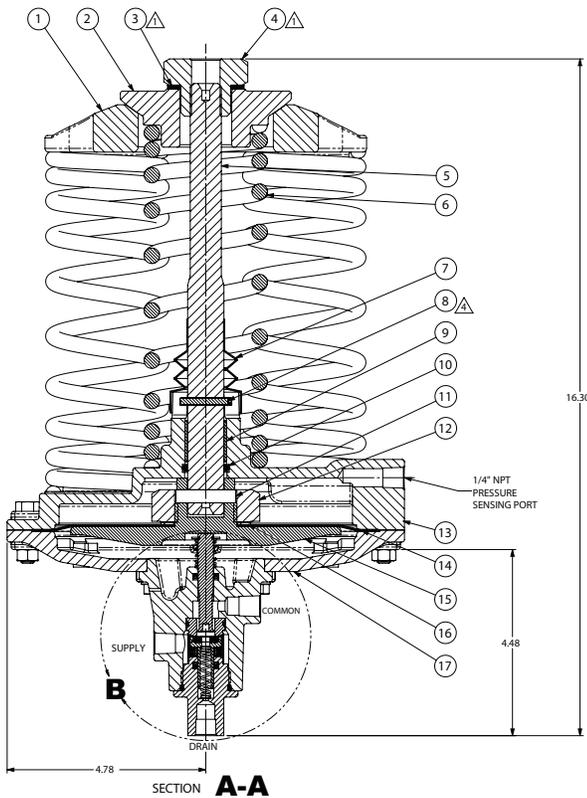




# Model CDS6B ALTITUDE PILOT CONTROL



| Retainer Part No. | Number of Springs | Number of Washers (Item 31) |
|-------------------|-------------------|-----------------------------|
| ---               | 1                 | 0                           |
| 29332-01C         | 2 or 3            | 2                           |
| 29331-01E         | 4 or 5            | 4                           |

| Valve Sizes 2" and Smaller<br>CDS6B Stock No. | Valve Sizes 2-1/2" and Larger<br>CDS6B Stock No. | Altitude Range (FT H2O) | No. of Springs | PSI Change Per Turn | Altitude Change Per Turn (FT) |
|---|--|-------------------------|----------------|---------------------|-------------------------------|
| 214486-06E                                    | 214486-01K                                       | 5 to 40 Ft.             | 1              | 0.32                | 0.75                          |
| 214486-07D                                    | 214486-02J                                       | 30 to 80 Ft.            | 2              | 0.64                | 1.50                          |
| 214486-08C                                    | 214486-03H                                       | 70 to 120 Ft.           | 3              | 0.96                | 2.25                          |
| 214486-09B                                    | 214486-04G                                       | 110 to 160 Ft.          | 4              | 1.28                | 3.00                          |
| 214486-10J                                    | 214486-05F                                       | 150 to 200 Ft.          | 5              | 1.60                | 3.75                          |

| Item No.             | Description                    | QTY | Material        |
|----------------------|--------------------------------|-----|-----------------|
| 1 <sup>[2]</sup>     | Retainer, Spring (see Table 1) | -   | Cast Iron       |
| 2                    | Retainer Swivel                | 1   | Cast Iron       |
| 3                    | Washer, Thrust                 | 1   | Nylon           |
| 4                    | Nut, Adjusting                 | 1   | Naval Brass     |
| 5                    | Stem, Upper                    | 1   | Stainless Steel |
| 6                    | Spring (see Table 2)           | -   | Steel           |
| 7 <sup>[2]</sup>     | Bellows                        | 1   | Neoprene        |
| 8 <sup>[2]</sup>     | Set Screw                      | 1   | Stainless Steel |
| 9                    | Bearing, Self-Lubricating      | 1   | Teflon          |
| 10 <sup>[2]</sup>    | O-Ring                         | 1   | Buna-N          |
| 11                   | Pin, Stem Retaining            | 1   | Stainless Steel |
| 12                   | Nut, Diaphragm Washer          | 1   | Stainless Steel |
| 13                   | Cover, Upper                   | 1   | Stainless Steel |
| 14 <sup>[2]</sup>    | Diaphragm                      | 1   | Buna-N          |
| 15                   | Washer Diaphragm               | 1   | Stainless Steel |
| 16                   | Washer, Diaphragm Nut          | 1   | Stainless Steel |
| 17                   | Cover, Lower                   | 1   | Stainless Steel |
| 18 <sup>[1, 2]</sup> | Retaining Ring                 | 1   | Stainless Steel |
| 19 <sup>[1, 2]</sup> | Heavy Spring, Poppet           | 1   | Stainless Steel |
| 20 <sup>[1, 2]</sup> | U-Seal                         | 2   | Buna-N          |
| 21 <sup>[1]</sup>    | Stem, Lower                    | 1   | Stainless Steel |
| 22 <sup>[1, 2]</sup> | Poppet Assembly                | 1   | -               |
| 22-1                 | Poppet                         | 1   | Stainless Steel |
| 22-2                 | Disc                           | 1   | Buna-N          |
| 23 <sup>[1, 2]</sup> | O-Ring                         | 1   | Buna-N          |
| 24 <sup>[1]</sup>    | Seat                           | 1   | Stainless Steel |
| 25 <sup>[1]</sup>    | Strainer                       | 1   | Stainless Steel |
| 26 <sup>[1]</sup>    | Spring, Lower Stem             | 1   | Stainless Steel |
| 27 <sup>[1, 2]</sup> | O-Ring                         | 1   | Buna-N          |
| 28 <sup>[1]</sup>    | Guide, Poppet                  | 1   | Stainless Steel |
| 29                   | Bracket, Mounting              | 1   | Stainless Steel |
| 30                   | Bolt, 5/16-18 x 1.25           | 8   | Stainless Steel |
| 31                   | Washer (see Table 1)           | -   | Stainless Steel |
| 32                   | Bolt, 5/16-18 x 2.00           | 4   | Stainless Steel |
| 33                   | Nut, 5/16-18                   | 12  | Stainless Steel |
| 34 <sup>[1, 2]</sup> | Washer, Plain, Flat            | 6   | Stainless Steel |
| 35 <sup>[1, 2]</sup> | Bolt, 5/16-18 x 0.63           | 4   | Stainless Steel |
| 36 <sup>[1, 2]</sup> | Body, Pilot                    | 1   | Stainless Steel |

**Note:** Please make sure to remove the plastic plug from the drain port before putting the valve in service if pilot drains to atmosphere.

### When Ordering, Please Specify

- |                       |                |
|-----------------------|----------------|
| 1. All Nameplate data | 3. Description |
| 2. Item Number        | 4. Material    |

**CLA-VAL™** www.cla-val.com | info@cla-val.com  
PL-CDS6B (R-11/2025)

© Copyright CLA-VAL - Specifications subject to change without notice.

1. Lower Body Replacement Kit (Part # 214486-12G)
2. Recommended Spare Parts Kit (Part # 203494-01C)

