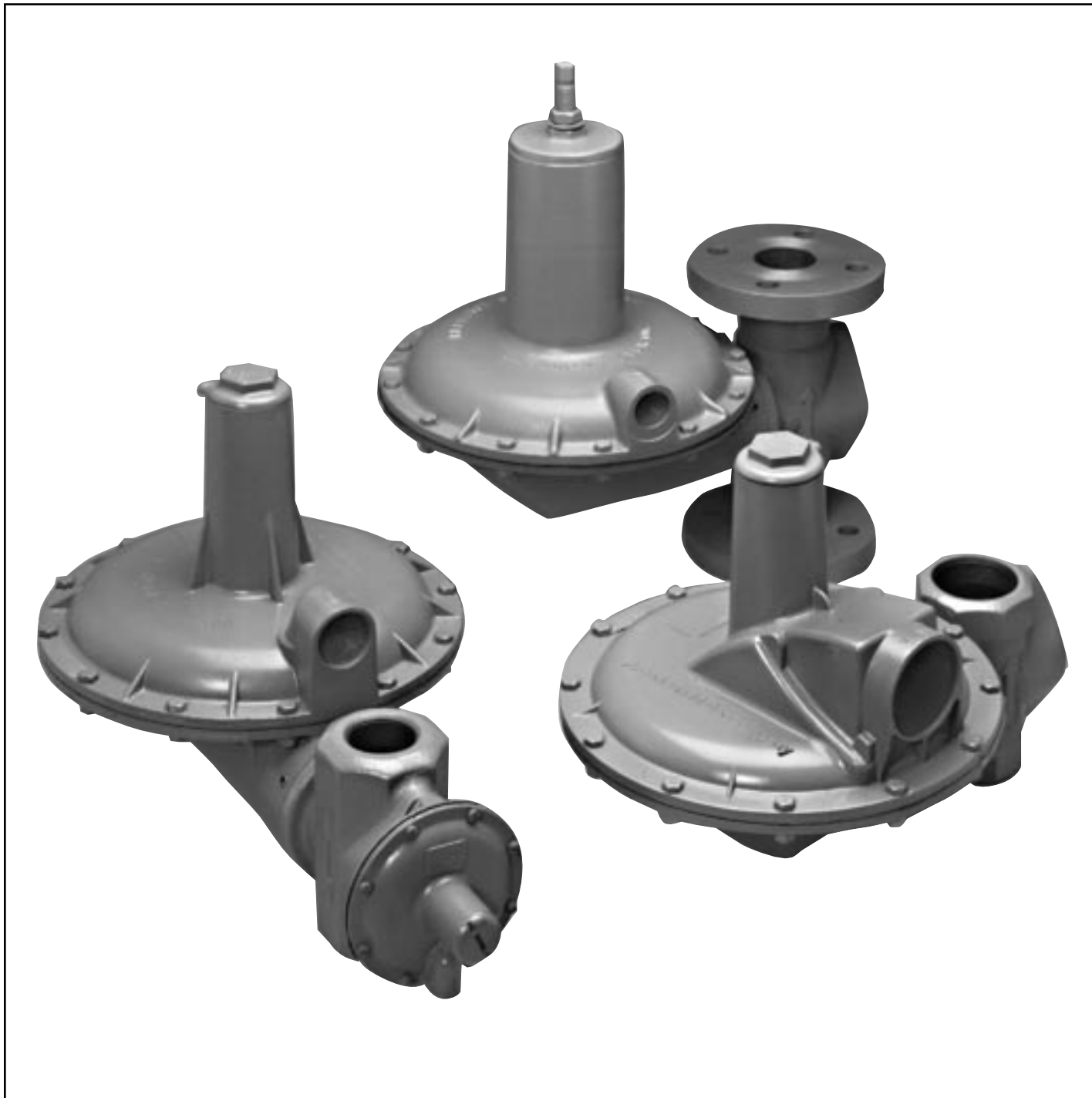


Industrial Regulator Series 1800/2000 Instructions and Parts List



AMC Quality System

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**AMERICAN
METER COMPANY**

Measurement Engineers Since 1836

Instructions: Industrial Regulator Series 1800/2000

General Information:

- Available Models – Standard Regulator, Standard Monitor Regulator, Internal Relief Valve, Full Capacity Internal Relief Valve, Underpressure Shutoff, Overpressure Shutoff. See Table 1 and identification tag on regulator.
- Available Sizes: 1-1/2- and 2-inch screwed; 2-inch ANSI - 125 Flange.
- Maximum inlet pressure, normal service (P1): Up to 125 PSIG, depending on orifice size – reference Capacity Tables found in Sales Bulletin SB8540.1
- Maximum outlet pressure, normal service (P2): Depending on range spring selection, 5 PSI = 1800 Series, 15 PSI = 2000 Series. Reference Capacity Tables found in Sales Bulletin SB8540.1

Table 1 – Available Regulator Models

| Low Pressure Outlet 3.5" w.c. to 5 psi | High Pressure Outlet 1/2 to 15 psi* | Description |
|--|-------------------------------------|---|
| Model Number | Model Number | |
| 1803 | 2003 | Standard regulator |
| 1803M | 2003M | Standard monitor regulator |
| 1813 | – | Internal relief valve |
| 1813B | – | Full capacity, internal relief valve |
| 1823 | 2023 | Underpressure shutoff |
| 1833 | – | Underpressure shutoff with internal relief |
| 1833B | – | Underpressure shutoff with full capacity internal relief |
| 1843 | – | Overpressure shutoff with internal relief |
| 1843B | – | Overpressure shutoff with full capacity internal relief |
| 1853 | – | Overpressure and underpressure shutoff with internal relief |
| 1853B | – | Overpressure and underpressure shutoff with full capacity internal relief |
| 1883 | 2083 | Overpressure shutoff |
| 1883M | 2083M | Overpressure shutoff with monitor |
| 1893 | 2093 | Overpressure and underpressure shutoff |

*20 psi outlet is available on special request.

Preparation

1. Install, operate, inspect and maintain the regulator as outlined in American Meter's instructions and in accordance with your company's policies and applicable federal, state and local codes and laws. Installation and service must be done by qualified personnel only.
Failure to follow these instructions may result in damage to the regulator.
2. Check installation location for suitability. It is possible that physical changes have been made to the building site since the regulator and location were originally selected.

WARNING: Do not connect the inlet of the regulator to a pressure source higher than that recommended by the manufacturer. Never connect the regulator outlet to the source of pressure. Observe the flow direction on the valve head casting.

If inlet pressure can exceed the maximum regulator outlet pressure rating, some form of overpressure protection is required to prevent possible damage to the regulator and personal injury.

3. Examine regulator for shipping damage.
4. Check regulator and piping for dirt or other foreign matter which may have accumulated during shipment or handling.
5. Check data plate to determine if regulator is suitable for intended service.
6. Suitable stop valve(s) should be installed and should be conveniently located.
7. Filters are available from the manufacturer for applications where pipeline contaminants are suspected to be present.
8. Regulators may be used at temperatures between -20°F and +150°F (-30°C and 65°C).

Installation

(The numbers in parentheses refer to Figure 1.)

1. Remove all shipping plugs.
2. Use good piping practice. Be sure piping and regulator are free of dirt, pipe dope and other debris. Apply pipe dope to male threads only.
3. Install regulator. Make certain it is piped up correctly with inlet pipe connection to the inlet connection and flow is in the direction as indicated by arrow located on valve head (1). The regulator may be mounted in any position. The vent should be positioned to prevent entry of water and debris. American Meter recommends that the vent face downward. By loosening three setscrews (2), the regulator body (3) may be rotated 360° in relation to the valve head. Tighten the setscrews (2).

Inside Installations – A regulator installed within a building should be located as near as practical to the point of service line entrance.
4. Turn gas on very slowly. If an outlet stop valve is used, it should be opened first. Do not overload the diaphragm with a sudden surge of inlet pressure.

WARNING: INSIDE INSTALLATION requires a vent line of sufficient diameter to carry gas vented by the relief valve to a safe outside location, away from any opening in the building. Vent piping thread size is either 3/4, 1 or 2 inch NPT depending on model. In accordance with the American National Standard for pipe threads ANSI B2.1. Keep vent lines as short and direct as possible.

OUTSIDE INSTALLATION requires that care be taken to prevent vent opening from freezing closed or becoming blocked or permitting water to enter from any cause. Particular consideration should be given to sites where flooding, snow or freezing rain may be experienced. The vent or vent line port should point vertically downward, and overhead protection should be used where necessary. Periodically check vent to be certain it is not obstructed.

5. Assure that there are no leaks and all connections are tight.
6. Unless otherwise specified, the 1800/2000 Regulator is preset at the factory with the diaphragm (4) horizontal and the springhorn vertical. Outlet pressure may vary with the diaphragm oriented in another position. To adjust the set pressure, perform the following:
 - (a) Turn gas off and depressurize the system.
 - (b) Install outlet pressure gauge. Remove seal plug (5).
 - (c) Turn gas on.
 - (d) Establish a low flow rate – 180 to 220 SCFH.

Instructions: Industrial Regulator Series 1800/2000

- (e) Turn pressure spring adjustment screw (6) clockwise to increase outlet pressure or counterclockwise to decrease outlet pressure.
- (f) Establish the set pressure within the range limits of the pressure spring used.
- (g) To test the regulator's ability to fully shut off (lock-up), shut off all flow downstream of the regulator. At lock-up, the outlet pressure will be somewhat higher than the set pressure. However, if the pressure continues to rise after 3 seconds, the regulator must be repaired. Observe for 30 seconds.
- (h) When the set pressure has been properly adjusted, depressurize and remove gauge(s) and lines.
- (i) Replace seal plug (5).
- (j) Pressurize – check all connections for leaks.

- 4. Inspect the surface of valve seat disc. If it is scored or uneven, replace it as outlined below.
- 5. Carefully insert the tip of a knife along the edge of the seat disc holder (9) and lift out seat disc.
- 6. Install new disc carefully insuring that it is thoroughly seated.
- 7. Remove O-Ring (10) from groove around valve head (1).
- 8. Install new O-Ring in groove around valve head and apply a light film of silicone grease.
- 9. Inspect unit for cleanliness and proper positioning of parts. Pay particular attention to proper O-Ring positioning.
- 10. Install body to valve head. Locate vent to proper position (pointed down) and tighten valve head setscrews. Check system for leaks.
- 11. Proceed to steps 4, 5 and 6 in the installation instructions.

Inspection And Maintenance

WARNING: If the regulator system develops a leak or vents gas, call a qualified gas serviceman promptly.

Inspection and maintenance of the 1800/2000 regulators have been simplified for practical reasons. Repair parts are offered if maintenance of the regulator is required.

Inspection of the valve seat disc (7) and orifice valve (8) may be performed in the field. Follow the procedure described below. Care should be exercised to prevent foreign matter from entering the regulator.

Procedure for inspection and replacement of valve seat disc and/or orifice if required:

- 1. Shut off gas supply and **depressurize the regulator system**.
- 2. Loosen three setscrews (2) securing the regulator body (3) to the valve head (1). Slide body off of valve head.
- 3. Visually check the seating edge of the orifice (8). If it is nicked or damaged, it should be replaced with a new orifice to provide proper shutoff. See maintenance instructions for replacing orifice, Page 4.

Replacing The Diaphragm – Figure 1

- 1. To replace diaphragm assembly, remove body bolts and nuts (11 & 12) and lift off regulator top (13).
 - 2. Remove the pressure spring. Then remove the diaphragm stem nut, the upper diaphragm plate and diaphragm. Install the new diaphragm, the existing diaphragm plate and stem nut, being careful to align the diaphragm bolt holes with those in the body. Tighten the stem nut.
- Relief Models:
Remove the pressure spring, the relief valve adjustment nut and the relief valve spring. Then remove the diaphragm assembly. Install the diaphragm assembly, the existing relief valve spring and relief valve adjusting nut. Tighten adjusting nut to approximately its original position. Align diaphragm bolt holes with holes in the body.
- 3. Place the top over the diaphragm, with the vent in the proper position and install the bolts. Take care to prevent folds in the diaphragm between the flanges. Install range spring and tighten adjusting screw. Replace seal plug.
 - 4. Inspect the cleanliness and proper positioning of parts.
 - 5. Proceed to Steps 4, 5, 6 and 6(a) through (j) in installation instructions.

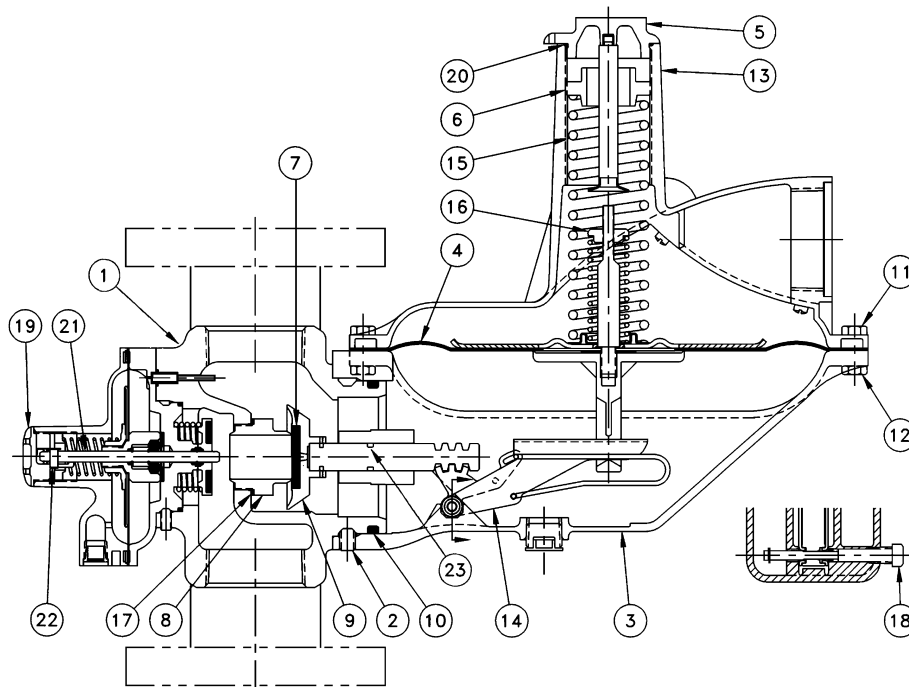


Figure 1

Instructions: Industrial Regulator Series 1800/2000

Adjusting Relief Valve – Figure 1. Models 1813, 1813B, 1833, 1833B, 1843, 1843B, 1853, 1853B

CAUTION: Do not attempt to perform the following procedure while the regulator is installed for service.

1. Plug the inlet connection of the regulator.
2. Connect an inches water column manometer or pressure gauge (depending on the range spring used) and a regulated pressure source with a needle valve on the low pressure side and an exhaust valve to a common manifold piped to the outlet of the regulator.
3. Adjust the regulated pressure source to about two times the desired relief valve set pressure.
4. Close the exhaust valve and apply pressure through the needle valve. Adjust the needle valve so that the pressure reading on the manometer or gauge raises at 3" w.c. per 10 seconds.
5. After the flow rate has been established, open the exhaust valve to release the pressure in the manifold. Close the exhaust valve. The pressure at which the manometer or gauge stabilizes is the relief valve set point.
6. To adjust the relief set point, remove the seal plug (5) and turn the relief valve nut (16) with a screwdriver; clockwise increases, counterclockwise decreases. Unless otherwise specified, factory set points are:

| Range Spring | Relief Set Point |
|------------------|----------------------|
| 3.5 to 6" w.c. | 14" w.c. ± 1.5" w.c. |
| 5.5 to 8" w.c. | 16" w.c. ± 1.5" w.c. |
| 8.5 to 14" w.c. | 22" w.c. ± 2.0" w.c. |
| 14.5 to 28" w.c. | 1.75 psi ± 2.5" w.c. |
| 1 to 2 psi | 2.2 psi ± 4.0" w.c. |
| 2 to 3 psi | 3.7 psi ± 0.25 psi |
| 3 to 5 psi | 6.3 psi ± 0.50 psi |

7. Repeat Step 5 to check new relief valve set point.

NOTE: For relief valve set points up to 100" w.c., an aspirator bulb may be substituted for the controlled pressure source and valves. Pump the bulb slowly until the manometer reads the desired set point. Pumping the bulb above the set point should cause the relief valve to crack and maintain the desired set pressure, within the limits shown above.

Replacing The Orifice – Figure 1

1. Shut off gas supply and depressurize the regulator system.
2. Loosen three setscrews (2). Slide regulator body (3) off of valve head (1). Place the regulator body aside and protect the seat disc from dirt particles.
3. Remove the orifice valve (8) and gasket (17) with a 1/4" hex socket wrench.
4. Carefully install new orifice and gasket and avoid nicking the orifice. Reassemble regulator body. Test for lock-up and system leaks.

CAUTION: Regulators that have an orifice size change different than shown on the data plate or seal cap must have their set pressure re-established. Mark new orifice size and set pressure on the regulator, seal cap or on its tag.

Replacing Pressure Spring – Figure 1

CAUTION: Regulators that have a pressure spring removed or replaced must have their set pressure re-established. If the pressure spring is different from that shown on the data plate or seal cap, mark spring range on the regulator, seal cap or on its tag, and cross out the old value.

1. Shut off gas supply and depressurize the regulator system.
2. Remove seal plug (5).
3. Unscrew pressure adjusting screw (6) with a 3/8" screwdriver and remove the pressure adjusting screw completely.
4. Remove the pressure spring (15). Install new pressure spring.
5. Replace the pressure adjusting screw and turn adjusting screw to mid position.
6. Proceed to Steps 4, 5 and 6(a) through (j) in installation instructions.

Resetting The Underpressure Shutoff (UPSO) Figure 1: Models 1823, 1833, 1833B, 1853, 1853B, 1893, 2023, 2093

Operation: When pressure below the main diaphragm falls below normal, the underpressure shutoff device is tripped and the spring connected to the lever assembly forces the valve against the orifice. The UPSO device must be manually reset.

Resetting: To reset, unscrew the reset shaft (18) with a wrench until it is free of the threads. Pull the shaft outward until it engages the reset mechanism. With the wrench, turn the reset shaft clockwise until the reset mechanism is engaged. Hold firmly in this position until normal pressure has entered under the diaphragm and the downstream line and operation is restored. Push reset shaft back in and tighten. **NOTE:** If the regulator is equipped with both OPSO and UPSO, and the OPSO is tripped, the UPSO will also trip. Reset procedure is to latch the OPSO first and then the UPSO.

Resetting The Overpressure Shutoff (OPSO) Figure 1: Models 1843, 1843B, 1853, 1853B, 1883, 1883M, 1893, 2083, 2083M, 2093

Operation: When the line pressure increases to the specified overpressure shutoff setting, the pressure under the shutoff diaphragm forces the diaphragm stem outward releasing the plunger. The shutoff spring forces the shutoff disc against the orifice.

When selecting a shutoff spring, a minimum differential of 14" water column between the normal operating pressures and the shutoff pressure setting should be provided.

Resetting: To reset the OPSO, shut off pressure, unscrew the seal cap (19) which opens the regulator orifice, permitting gas to flow. Pull the seal cap straight out until the overpressure shutoff device latches completely. The retighten the seal cap. (Do not trip the shutoff valve unless the seal cap is installed.)

OPSO Shutoff Springs

| Spring Range PSI | Part Number | Color Code |
|---------------------------------------|-------------|-----------------|
| 14" to 28" w.c. | 70017P075 | Red - Purple |
| 1 to 2 psi | 70017P076 | Red - Brown |
| 2 to 3 psi | 70017P077 | Red - Black |
| 3 to 5 psi | 70017P078 | Orange - Yellow |
| 5 to 8 psi | 70017P079 | Orange - Green |
| 8 to 14 psi (requires reducing ring) | 70017P078 | Orange - Yellow |
| 14 to 20 psi (requires reducing ring) | 70017P079 | Orange - Green |
| Reducing Ring | 72646P001 | |

Instructions: Industrial Regulator Series 1800/2000

Orifice Sizes

| Regulator Connection Size (Inches) | Orifice Size (Inches) | Part Number |
|------------------------------------|-----------------------|-------------|
| 1-1/2 and 2 | 1/4 | 72983P010 |
| | 3/8 | 72983P011 |
| | 1/2 | 72983P012 |
| | 5/8 | 72983P013 |
| | 3/4 | 72983P014 |
| | 7/8 | 72983P015 |
| | 1 | 72983P016 |
| | 1-1/4 | 72983P017 |

Changing And Adjusting The OPSO Pressure Spring – Figure 1:

Unscrew the cap seal until it is loosely held on the shutoff shaft (21). Tilt and disengage the cap seal and spring clip (22) from the end of the shutoff shaft. (The spring clip should remain on the cap seal.) This exposes the pressure spring adjustment screw.

Remove the pressure spring adjustment screw and the pressure spring. Install a new pressure spring (see note below). Screw in the pressure spring adjustment screw until it is approximately 3/4" below the top of the spring housing.

To adjust the shutoff pressure, close the inlet to the main regulator body and slowly pressurize the outlet of the regulator, up to the desired shutoff pressure. If the OPSO mechanism trips before the desired shutoff pressure is reached, turn the adjustment screw further in, reset the OPSO and retest. If the OPSO does not trip when the desired pressure is reached, turn the adjustment screw out slowly until it does. Then reset the OPSO and check it again. Replace and retighten the cap seal making certain the spring clip on the cap seal engages the shutoff shaft.

NOTE: Series 2000 Regulators using OPSO shutoff springs with ranges of 8 to 14 PSI or 14 to 20 PSI require the use of the reducing ring shown in Figure 2. To install the reducing ring, remove the OPSO cover as described in the paragraph below. Position the reducing ring as shown and reassemble the cover.

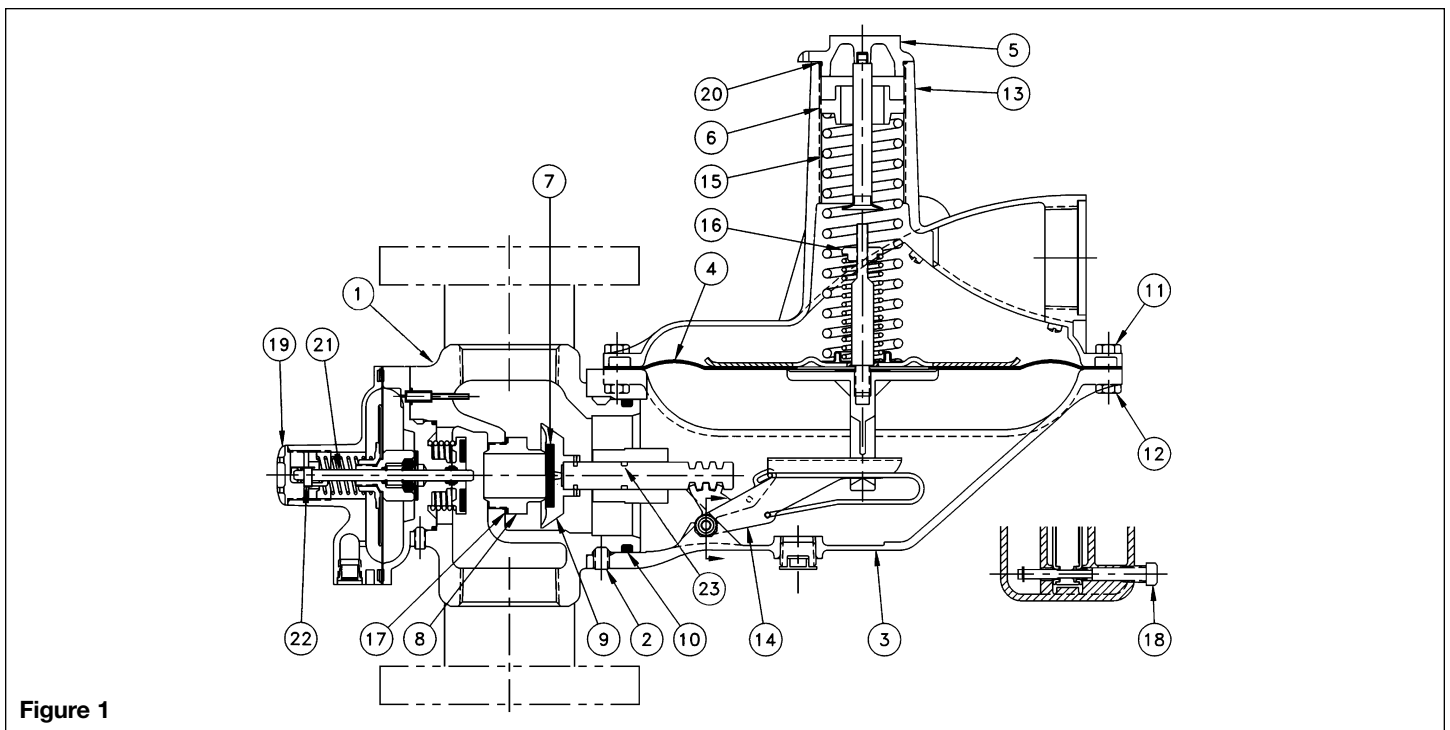


Figure 1

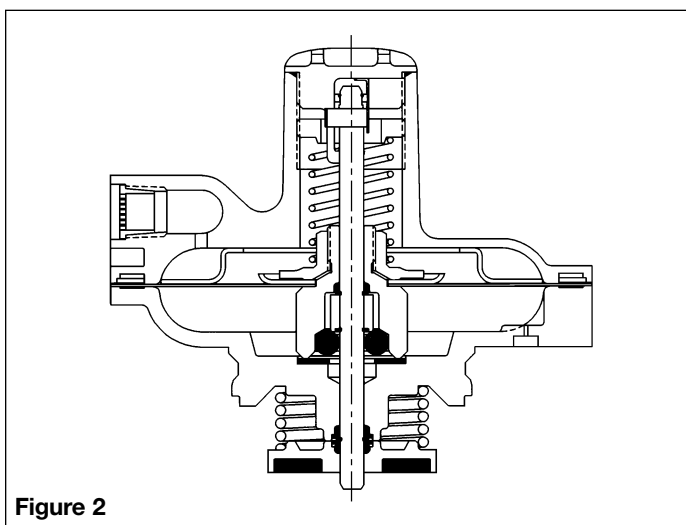


Figure 2

Rotating The OPSO Cover Vent – Figure 2:

If it is necessary to rotate the OPSO vent, first remove the cap seal. Note the position of the adjustment screw and put a pencil line on the outside of the spring housing corresponding to the top of the adjustment screw. Back out the adjustment screw until it is flush with the top of the spring housing. (This releases the tension on the OPSO pressure spring.)

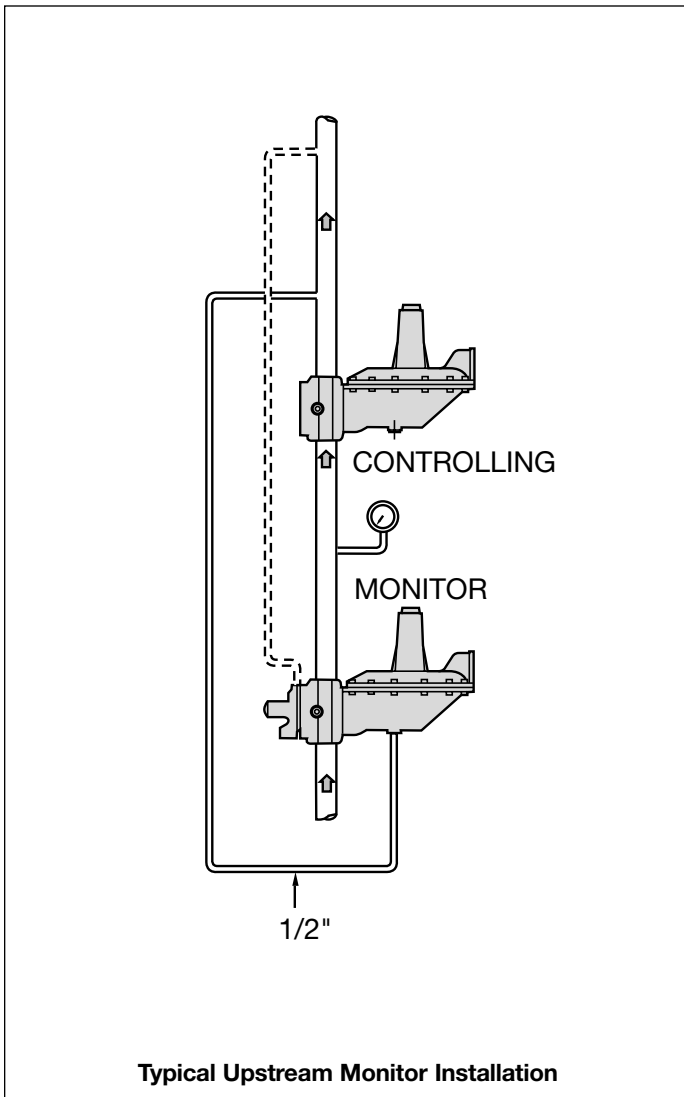
Remove the eight screws on the OPSO cover and carefully lift the OPSO cover so that the diaphragm remains on the bottom casting. Rotate the vent to the desired position, and align the screw holes in the top, the diaphragm and the bottom casting. Reinstall the eight screws loosely and check that the diaphragm is flat (and not crimped) between the screw holes. Tighten the eight screws, and screw in the adjustment screw to its original position. Check and adjust the shutoff pressure as described in the above paragraphs. Replace and tighten the cap seal.

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Series 1800/2000 Monitor Regulators: Models 1803M, 1833M, 2003M, 2083M

A monitor regulator installation consists of a regulator with an external static connection and a regulator with an internal static connection. The regulator selected to be the monitor is set at 2" to 5" w.c. above the controlling regulator. Upstream monitoring, as shown in the sketch, is more commonly used. The external static connection should be connected at a point free of turbulence and preferably a minimum of 5 pipe diameters downstream.

NOTE: If bypass piping is included in a monitor regulator set, the control line valve must be closed before the bypass valve is opened to avoid the diaphragm from being exposed to inlet pressure.



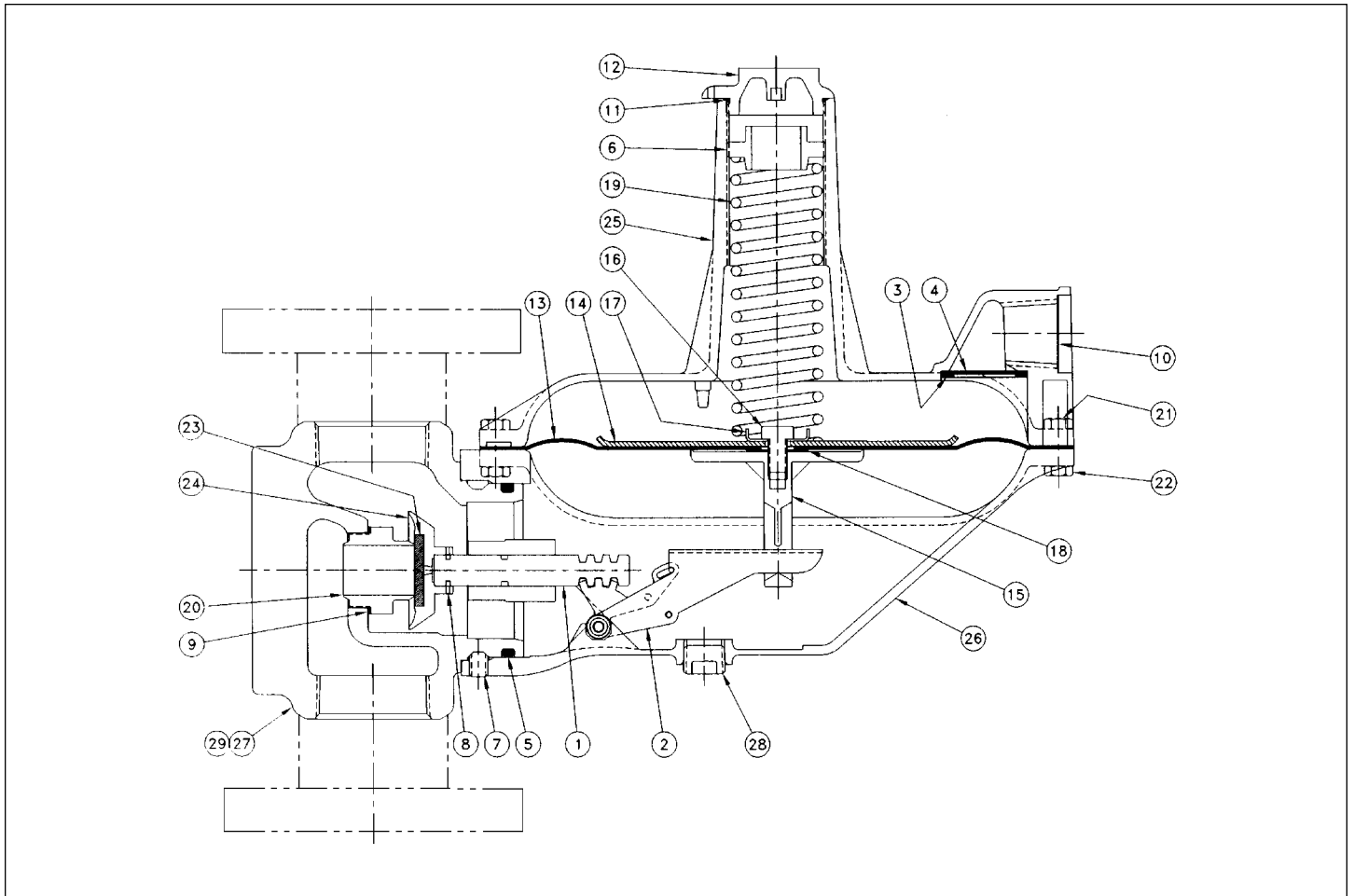
NOTE: Design improvements now enable all 1800/2000 regulator models manufactured after January 1994 to be configured as monitor regulators. The regulators can be identified by month/year code number beginning with Code No. 1-94.

1800 And 2000 Series Monitor Conversion Instructions 73909K012 – Monitor Conversion Kit

1. Referring to Figure 1, remove the main regulator assembly (3) from the valve head (1).
2. Remove seal cap (5), main spring adjusting screw (6), and main spring (15).
3. Remove the twelve 5/16" bolts (11) holding the regulator top to the lower diaphragm chamber.
4. Remove the regulator top (13) and the diaphragm assembly (4) where it engages with the lever (14). Caution should be used not to damage the diaphragm assembly during disassembly.
5. Remove the lever (14) and plunger (22).
6. Degrease plunger and install plunger O-Ring (23).
7. Lubricate plunger and O-Ring assembly using O-Ring grease or all-purpose silicon grease and reinstall plunger and lever.
8. Install diaphragm assembly by engaging the lever into the diaphragm stem.
9. Position regulator top over the main diaphragm and line up three of the bolts holding the top, the main diaphragm and lower diaphragm chamber, insert three bolts. Line up and install the remaining nine. Install the twelve nuts and torque to 120 inch pounds.
10. Install the main spring and adjusting screw; replace the seal cap.
11. Remove the seat disc assembly (9) from the plunger.
12. Assemble the two remaining O-Rings and the isolation plate and lubricate using O-Ring grease or all-purpose silicon grease.
13. Install the isolation plate around the plunger guide.
14. Reinstall the seat disc assembly (9).
15. Lubricate the inside bore of the valve head as well as the outside O-Ring with O-Ring grease or all-purpose silicon grease. Attach the regulator to the valve head and torque the three retaining screws (2) to 75 inch pounds.
16. Proceed to steps 4, 5 and 6(a) through (j) in installation instructions, and OPSO and UPSO resetting instructions if so required.

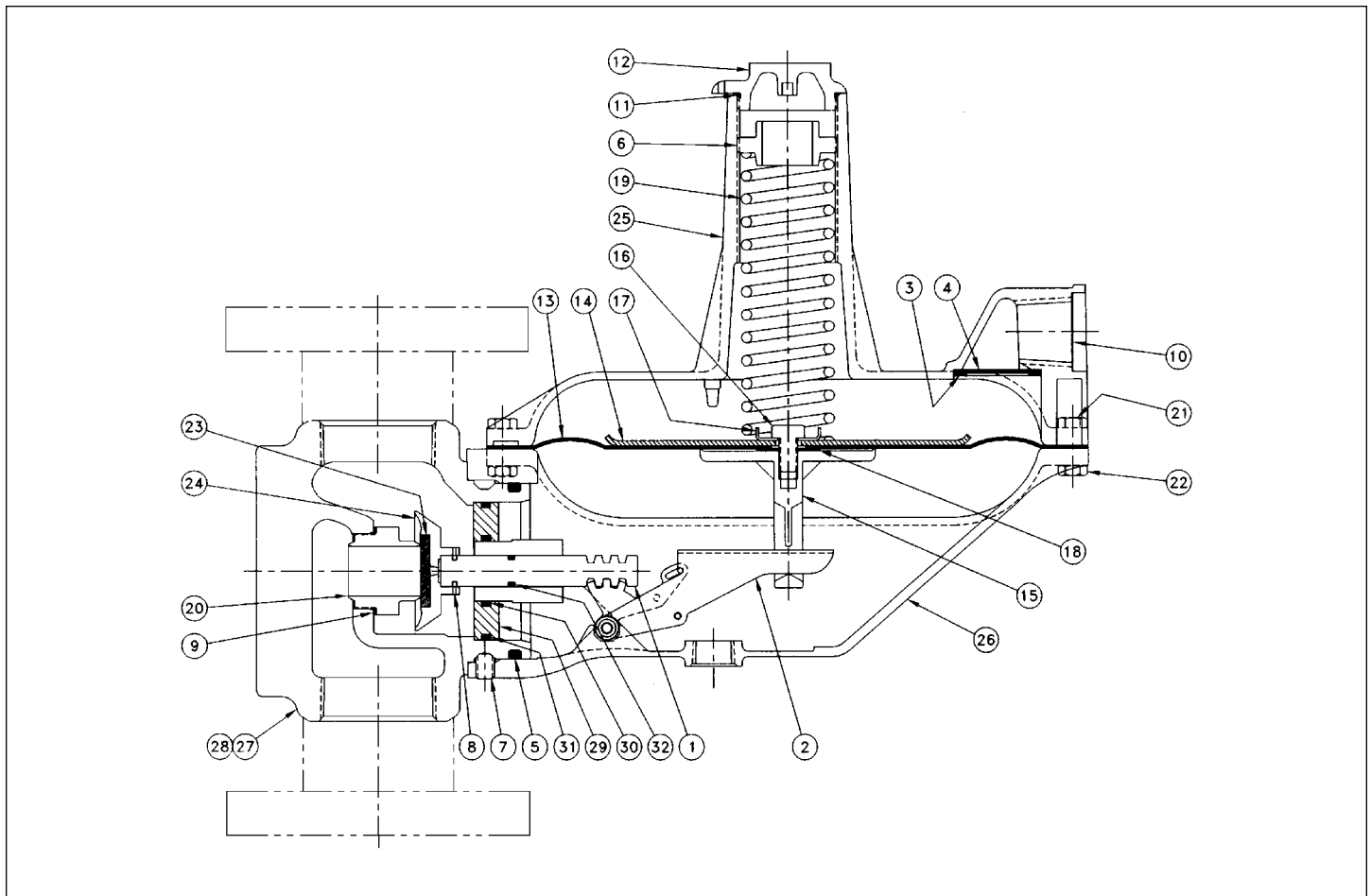
NOTE: If the regulator to be converted has an OPSO it will be necessary to change the OPSO to a monitor version with an external sensing port and pipe it as shown in the figure to the left.

American 1½" and 2" Model 1803 Industrial Regulator



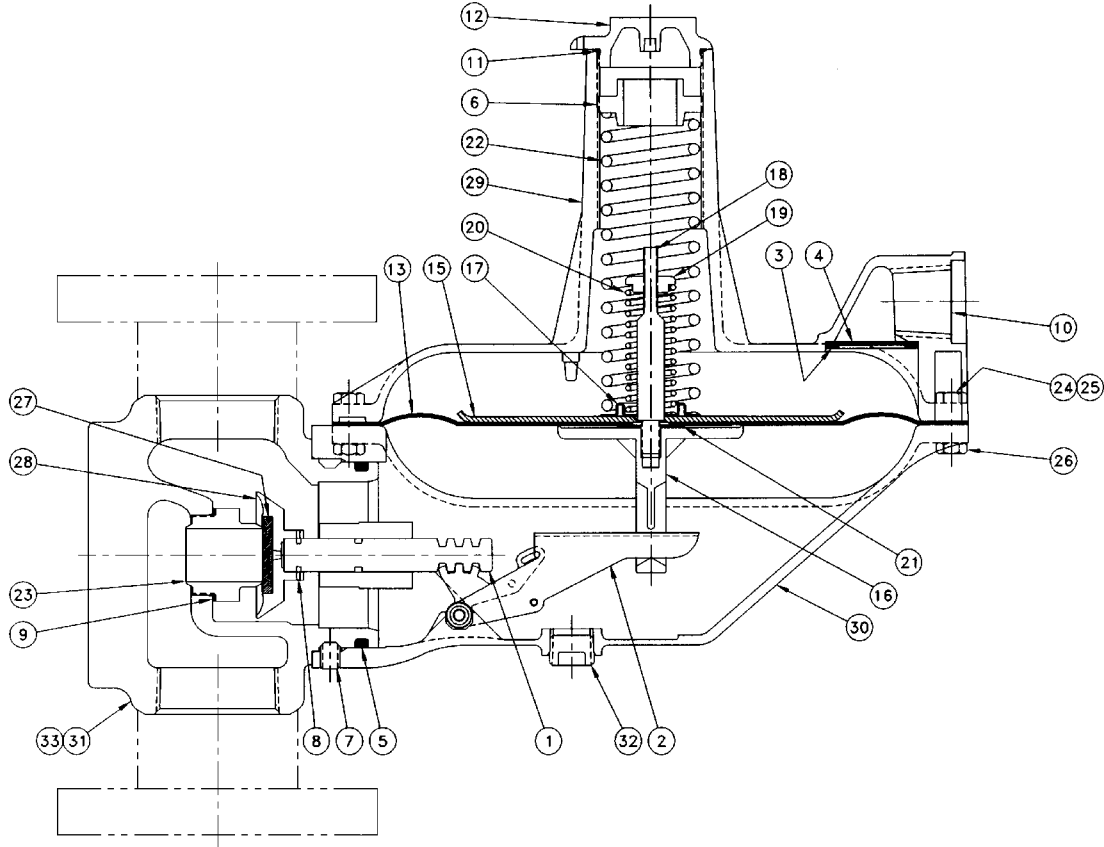
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|----------|-----------|--|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 23 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 23 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 23 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 23 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 23 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 23 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 7 | 78014P006 | Setscrew, Regulator to Valve Head | 3 | | | 24 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 24 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 24 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 25 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 25 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 25 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 13 | 70014P143 | Diaphragm | 1 | | | 25 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 14 | 70012P052 | Plate, Diaphragm | 1 | | | 26 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 15 | 72629P005 | Stem, Diaphragm | 1 | | | 26 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 16 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 27 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 17 | 72272P001 | Guide, Spring | 1 | | | 27 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 18 | 13981P076 | Flat Washer | 1 | | | 27 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 19 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 27 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 19 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 27 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 19 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 27 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 19 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 28 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 19 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 28 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 29 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 19 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 29 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | | | | | | |
| 20 | 72983P010 | Valve - 1/4" Orifice | 1 | | | | | | | | |
| 20 | 72983P011 | Valve - 3/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 20 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 20 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 20 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 21 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 21 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 22 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 22 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |

American 1½" and 2" Model 1803M Industrial Regulator



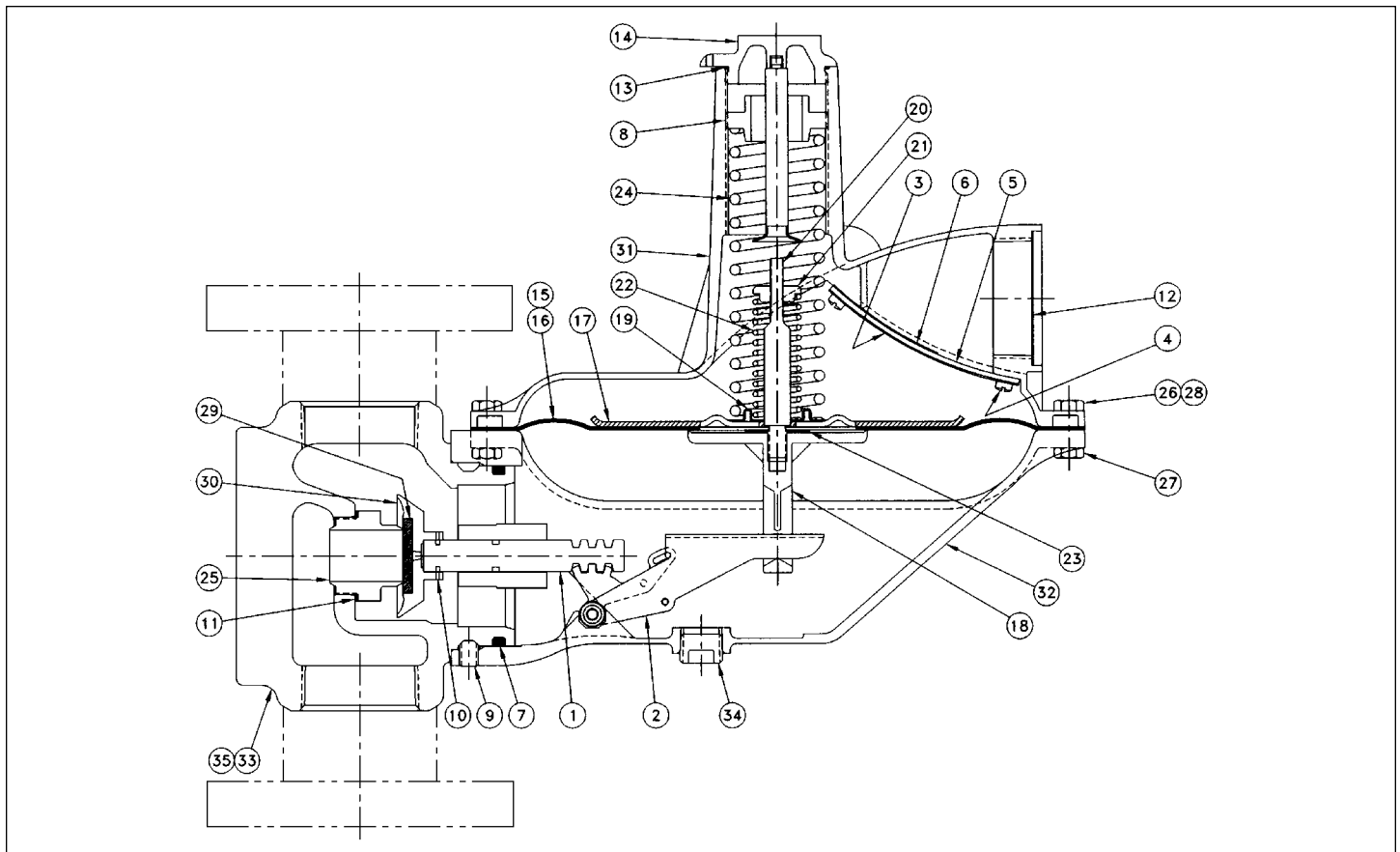
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|----------|-----------|--|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 23 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 23 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 23 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 23 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 23 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 24 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 7 | 78014P006 | Setscrew, Regulator to Valve Head | 3 | | | 24 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 24 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 25 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 25 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 25 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 25 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 13 | 70014P143 | Diaphragm | 1 | | | 26 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 14 | 70012P052 | Plate, Diaphragm | 1 | | | 26 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 15 | 72629P005 | Stem, Diaphragm | 1 | | | 27 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 16 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 27 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 17 | 72272P001 | Guide, Spring | 1 | | | 27 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 18 | 13981P076 | Flat Washer | 1 | | | 27 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 19 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 27 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 19 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 27 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 19 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 28 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 19 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 28 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 29 | 73010P001 | Plate, Isolation | 1 | 1/1/94 | |
| 19 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 29 | 73010P002 | Plate, Isolation | 1 | | 1/1/94 |
| 19 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 30 | 42710P106 | "O" Ring, Isolation Plate - I.D. | 1 | 1/1/94 | |
| 19 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 30 | 42710P078 | "O" Ring, Isolation Plate - I.D. | 1 | | 1/1/94 |
| 20 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 31 | 78037P040 | "O" Ring, Isolation Plate - O.D. | 1 | | |
| 20 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 32 | 78037P048 | "O" Ring, Valve Plunger | 1 | | |
| 20 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 20 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 20 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 20 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 21 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 21 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 22 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 22 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |
| 23 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | | | | | | |

American 1½" and 2" Model 1813 Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 25 | 78071P041 | Tag, Relief Valve | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 26 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 26 | 78019P013 | Nut, Body Bolt, 5/16" - 18 | 12 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 27 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 27 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 27 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 27 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 27 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 27 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 28 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 28 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 28 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 13 | 70014G002 | Diaphragm Assembly Complete (Incl. Items 16-24) | 1 | | | 29 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 14 | 70014P143 | Diaphragm | 1 | | | 29 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 15 | 70012P052 | Plate, Diaphragm | 1 | | | 29 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 16 | 72629P005 | Stem, Diaphragm | 1 | | | 29 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 17 | 73175P001 | Spring Locator | 1 | | | 30 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 18 | 73058P001 | Stem, Relief Valve | 1 | | | 30 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 19 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 31 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 20 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 31 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 21 | 13981P076 | Flat Washer | 1 | | | 31 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 22 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 31 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 22 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 31 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 22 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 31 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 22 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 32 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 22 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 32 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 22 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 33 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 22 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 33 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 22 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | | | | | | |
| 23 | 72983P010 | Valve - 1/4" Orifice | 1 | | | | | | | | |
| 23 | 72983P011 | Valve - 3/8" Orifice | 1 | | | | | | | | |
| 23 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 23 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 23 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 23 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 23 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 23 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 24 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 24 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |

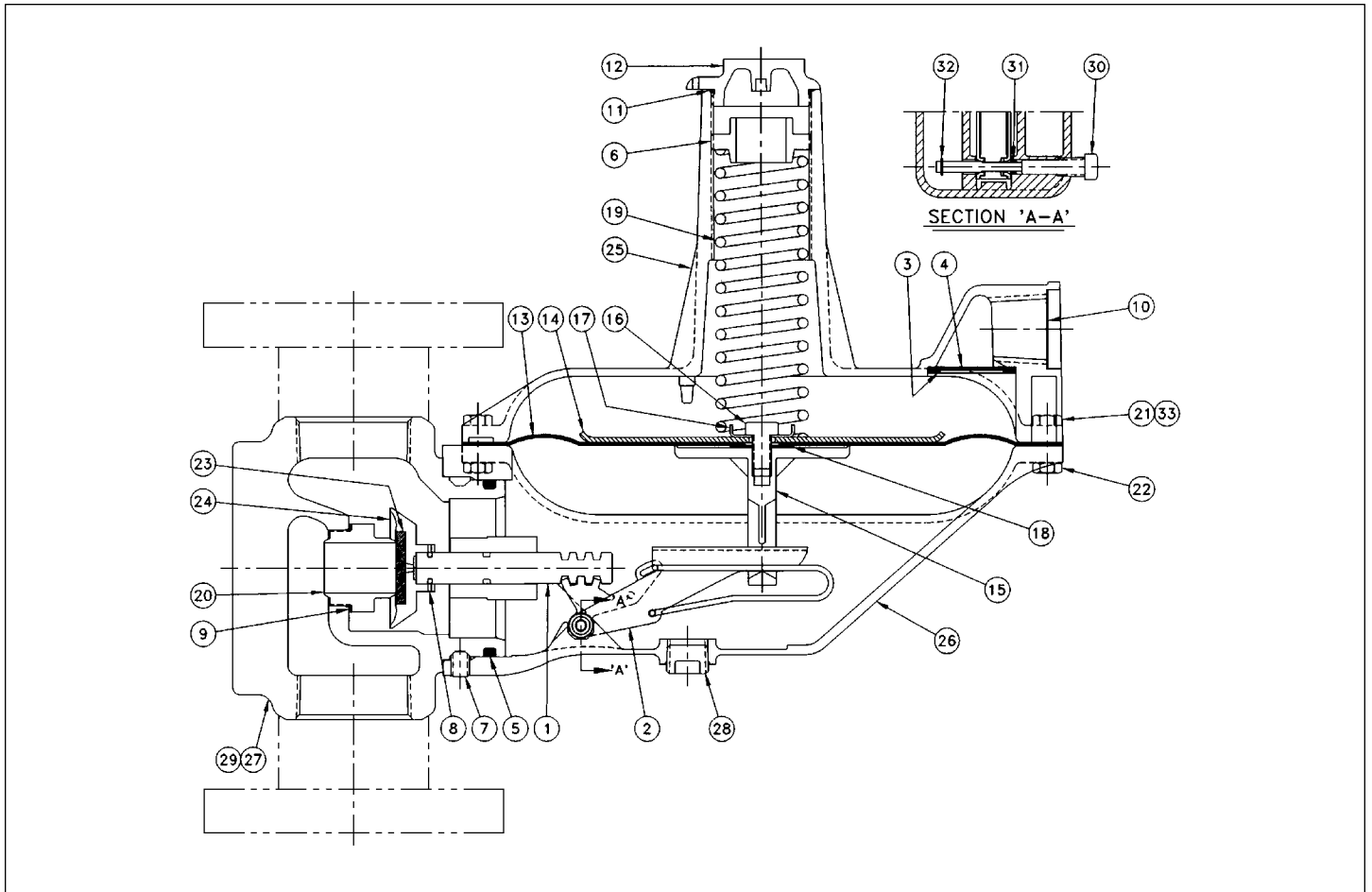
American 1½" and 2" Model 1813B Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|--------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 27 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | |
| 2 | 72626G001 | Lever | 1 | | | 27 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | |
| 3 | 73055P001 | Vent Flapper Retainer | 1 | | | 28 | 78071P041 | Tag, Relief Valve Setting | 1 | | |
| 4 | 78008P006 | Screw, Vent Flapper Retainer | 4 | | | 29 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 5 | 73060P001 | Vent Flapper | 1 | | | 29 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 6 | 73063P001 | Spring, Vent Flapper | 1 | | | 29 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 7 | 42710P161 | "O" Ring, Valve Head | 1 | | | 29 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 8 | 73183P001 | Adjustment Screw | 1 | | | 29 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 9 | 78014P006 | Setscrew, Regulator to Valve Head | 3 | | | 29 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 10 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 30 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 11 | 70019P094 | Gasket, Valve | 1 | | | 30 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 12 | 70400P015 | Screen, Vent | 1 | | | 30 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 13 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 31 | 73053P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 14 | 73062G003 | Seal Plug Assembly | 1 | | | 31 | 73053P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 15 | 70014G001 | Diaphragm Assembly Complete (Incl. Items 16-23) | 1 | | | 31 | 73053P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 16 | 70014P168 | Diaphragm | 1 | 4/1/94 | | 31 | 73053P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 16 | 70014P203 | Diaphragm | 1 | | 4/1/94 | 32 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 17 | 73057P002 | Plate, Diaphragm* | 1 | | 4/1/94 | 32 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 18 | 72629P005 | Stern, Diaphragm* | 1 | | 4/1/94 | 33 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 19 | 73175P001 | Spring Locator | 1 | | | 33 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 20 | 73058P001 | Stern, Relief Valve | 1 | | | 33 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 21 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 33 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 22 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 33 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 23 | 13981P076 | Flat Washer | 1 | | | 33 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 24 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 34 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 24 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 34 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 24 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 35 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 24 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 35 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 24 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | | | | | | |
| 24 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | | | | | | |
| 24 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | | | | | | |
| 24 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | | | | | | |
| 25 | 72983P010 | Valve - 1/4" Orifice | 1 | | | | | | | | |
| 25 | 72983P011 | Valve - 3/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 25 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 25 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 25 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 26 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 26 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |

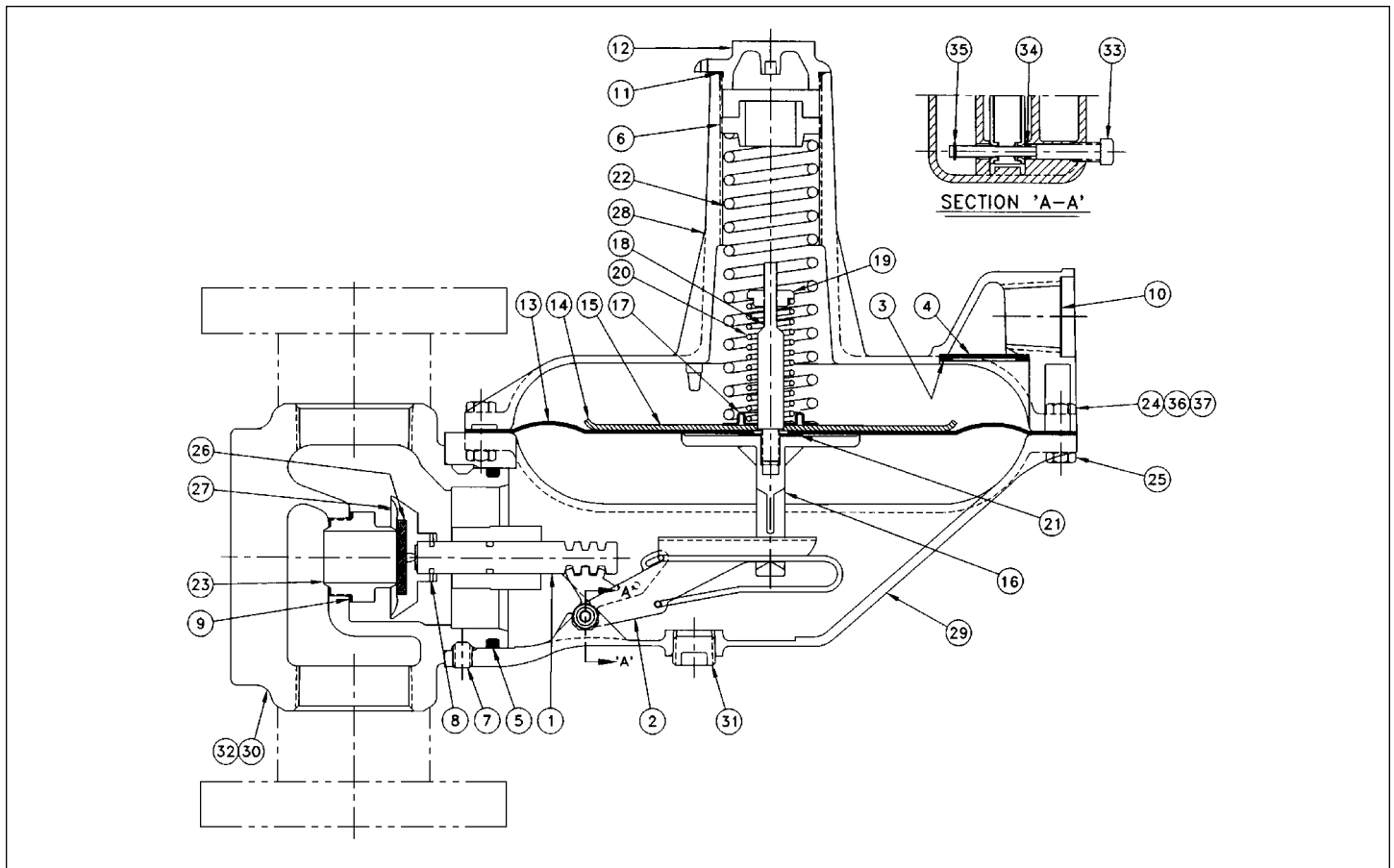
*For regulators built before April 1, 1994, Item 15 must be purchased instead.

American 1½" and 2" Model 1823 Industrial Regulator



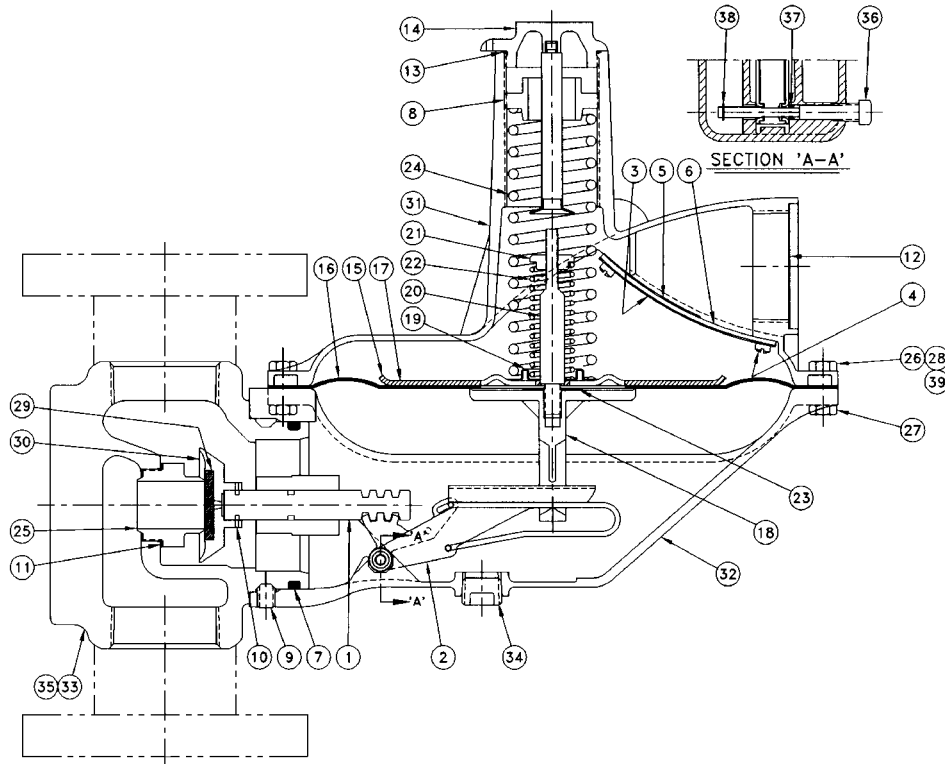
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 23 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 23 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 23 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 23 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 23 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 24 | 72624P001 | Holder, Seat Disc - 2" Regulator - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 24 | 72624P002 | Holder, Seat Disc - 2" Regulator - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 24 | 72624P001 | Holder, Seat Disc - 1-1/2" Regulator - All Orifice Sizes (SILVER) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 25 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 25 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 25 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 25 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 13 | 70014P143 | Diaphragm | 1 | | | 26 | 72628P004 | Body, Regulator BSP - TR Thread | 1 | | |
| 14 | 70012P052 | Plate, Diaphragm | 1 | | | 26 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 15 | 72629P005 | Stem, Diaphragm | 1 | | | 27 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 16 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 27 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 17 | 72272P001 | Guide, Spring | 1 | | | 27 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 18 | 13981P076 | Flat Washer | 1 | | | 27 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 19 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 27 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 19 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 27 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 19 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 28 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 19 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 28 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 29 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 19 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 30 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 28 | 72943G001 | Drive Shaft Assembly | 1 | | |
| 19 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 31 | 73381P001 | Drive Shaft Washer | 1 | | |
| 20 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 32 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 20 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 33 | 73784P001 | Instruction Tag | 1 | | |
| 20 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 20 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 20 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 20 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 20 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 21 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 21 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 22 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 22 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |
| 23 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | | | | | | |

American 1½" and 2" Model 1833 Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 26 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 26 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 26 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 26 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 26 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 26 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 27 | 72624P001 | Holder, Seat Disc - 2" Regulator - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 27 | 72624P002 | Holder, Seat Disc - 2" Regulator - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 27 | 72624P001 | Holder, Seat Disc - 1-1/2" Regulator - All Orifice Sizes (SILVER) | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 28 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 28 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 28 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 13 | 70014G002 | Diaphragm Assembly Complete (Incl. Items 17-23) | 1 | | | 28 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 14 | 70014P143 | Diaphragm | 1 | | | 29 | 72628P004 | Body, Regulator BSP - TR Thread | 1 | | |
| 15 | 70012P052 | Plate, Diaphragm | 1 | | | 29 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 16 | 72629P005 | Stem, Diaphragm | 1 | | | 30 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 17 | 73175P001 | Spring Locator | 1 | | | 30 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 18 | 73058P001 | Stem, Relief Valve | 1 | | | 30 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 19 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 30 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 20 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 30 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 21 | 13981P076 | Flat Washer | 1 | | | 30 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 22 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 31 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 22 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 31 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 22 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 32 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 22 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 32 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 22 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 33 | 72943G001 | Drive Shaft Assembly | 1 | | |
| 22 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 34 | 73381P001 | Drive Shaft Washer | 1 | | |
| 22 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 35 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 22 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 36 | 78071P041 | Tag, Relief Valve | 1 | | |
| 23 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 36 | 73784P001 | Instruction Tag | 1 | | |
| 23 | 72983P011 | Valve - 3/8" Orifice | 1 | | | | | | | | |
| 23 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 23 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 23 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 23 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 23 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 23 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 24 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 24 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 25 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 25 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |

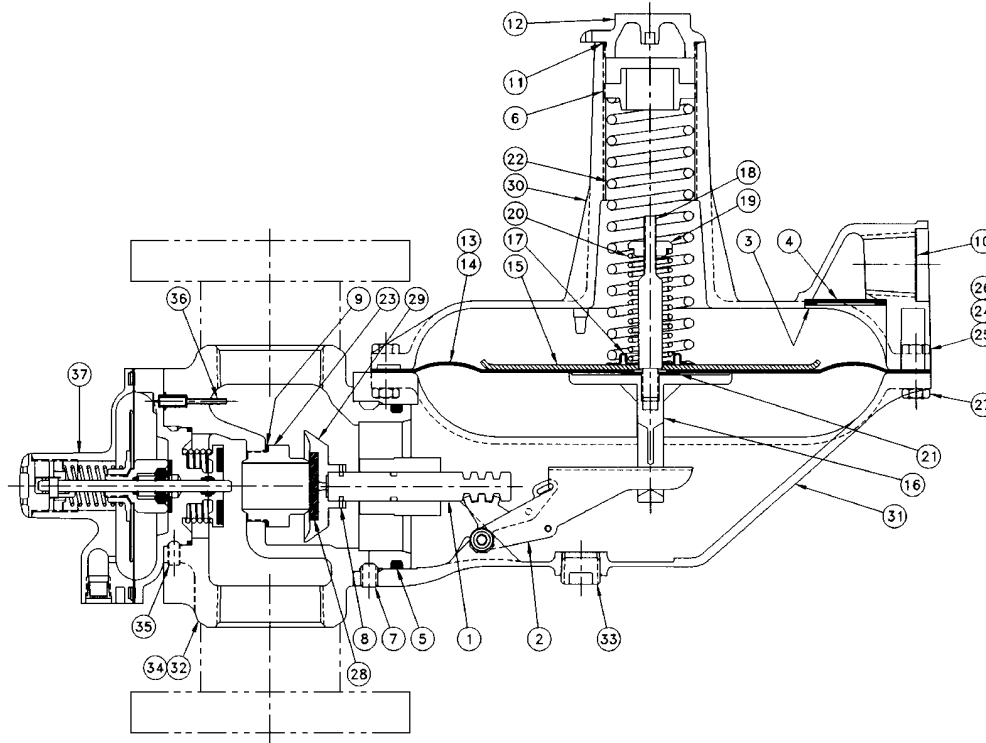
American 1½" and 2" Model 1833B Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|--------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 28 | 78071P041 | Tag, Relief Valve Setting | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 29 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 3 | 73055P001 | Vent Flapper Retainer | 1 | | | 29 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 4 | 78008P006 | Screw, Vent Flapper Retainer | 1 | | | 29 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 5 | 73060P001 | Vent Flapper | 1 | | | 29 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 6 | 73063P001 | Spring, Vent Flapper | 1 | | | 29 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 7 | 42710P161 | "O" Ring, Valve Head | 1 | | | 29 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 8 | 73183P001 | Adjustment Screw | 1 | | | 30 | 72624P001 | Holder, Seat Disc - 2" Regulator - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 9 | 78014P006 | Setscrew, Valve Head | 3 | | | 30 | 72624P002 | Holder, Seat Disc - 2" Regulator - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 10 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 30 | 72624P001 | Holder, Seat Disc - 1-1/2" Regulator - All Orifice Sizes (SILVER) | 1 | | |
| 11 | 70019P094 | Gasket, Valve | 1 | | | 31 | 73053P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 12 | 70400P015 | Screen, Vent | 1 | | | 31 | 73053P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 13 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 31 | 73053P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 14 | 72357G003 | Seal Plug Assembly | 1 | | | 31 | 73053P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 15 | 70014G001 | Diaphragm Assembly Complete (Incl. Items 16-23) | 1 | | | 32 | 72628P004 | Body, Regulator BSP - TR Thread | 1 | | |
| 16 | 70014P168 | Diaphragm | 1 | 4/1/94 | | 32 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 16 | 70014P203 | Diaphragm | 1 | | 4/1/94 | 33 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 17 | 73057P002 | Plate, Diaphragm* | 1 | | 4/1/94 | 33 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 18 | 72629P005 | Stern, Diaphragm* | 1 | | 4/1/94 | 33 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 19 | 73175P001 | Spring Locator | 1 | | | 33 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 20 | 73058P001 | Stern, Relief Valve | 1 | | | 33 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 21 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 33 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 22 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 33 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 23 | 13981P076 | Flat Washer | 1 | | | 34 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 24 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 34 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 24 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 35 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 24 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 35 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 24 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 36 | 72943G001 | Drive Shaft Assembly | 1 | | |
| 24 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 37 | 73381P001 | Drive Shaft Washer | 1 | | |
| 24 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 38 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 24 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 39 | 73784P001 | Instruction Tag | 1 | | |
| 24 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | | | | | | |
| 25 | 72983P010 | Valve - 1/4" Orifice | 1 | | | | | | | | |
| 25 | 72983P011 | Valve - 3/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | | | | |
| 25 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 25 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 25 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 26 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 26 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 27 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 27 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |

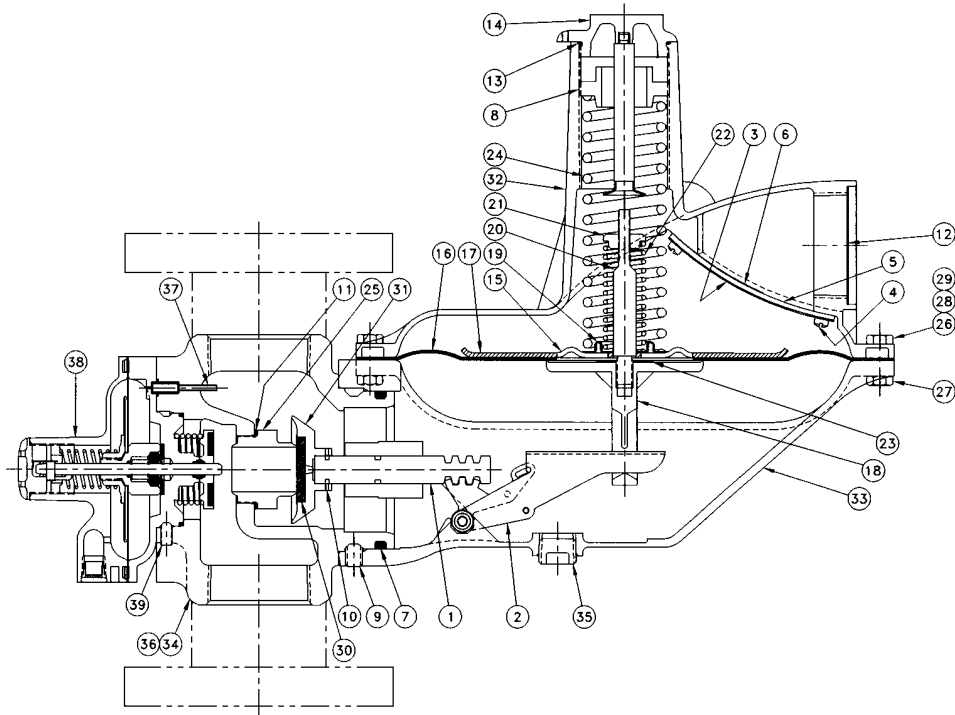
*For regulators built before April 1, 1994, Item 15 must be purchased instead.

American 1½" and 2" Model 1843 Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 28 | 70041P133 | Disc, Valve Seat – Viton A – 70 Duro | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 28 | 70041P135 | Disc, Valve Seat – Viton A – 80 Duro | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 29 | 72624P001 | Holder, Seat Disc – 2" Regulator – with 7/8" thru 1-1/4" Orifice Sizes (SILVER) | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 29 | 72624P003 | Holder, Seat Disc – 2" Regulator – with 1/4" thru 7/8" Orifice Sizes (RED) | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 29 | 72624P001 | Holder, Seat Disc – 1-1/2" Regulator – All Orifice Sizes (SILVER) | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 30 | 73579P011 | Top, Regulator – without Seal Wire Hole (Standard) – BSP – TR Thread | 1 | | |
| 7 | 78014P006 | Setscrew, Regulator to Valve Head | 3 | | | 30 | 73579P007 | Top, Regulator – without Seal Wire Hole (Standard) – NPT Thread | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 30 | 73579P012 | Top, Regulator – with Seal Wire Hole – BSP – TR Thread | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 30 | 73579P008 | Top, Regulator – with Seal Wire Hole – NPT Thread | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 31 | 72628P002 | Body, Regulator BSP – TR Thread | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 31 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 32 | 72972P032 | Head, Valve – 1-1/2" x 1-1/2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 13 | 70014G002 | Diaphragm Assembly Complete (Incl. Items 14-21) | 1 | | | 32 | 72972P033 | Head, Valve – 1-1/2" x 1-1/2" – NPT Thread (Ductile Iron) | 1 | | |
| 14 | 70014P143 | Diaphragm | 1 | | | 32 | 72972P034 | Head, Valve – 2" x 2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 15 | 70012P052 | Plate, Diaphragm | 1 | | | 32 | 72972P035 | Head, Valve – 2" x 2" – NPT Thread (Ductile Iron) | 1 | | |
| 16 | 72629P005 | Stem, Diaphragm | 1 | | | 32 | 72992P015 | Head, Valve – 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 17 | 73175P001 | Spring Locator | 1 | | | 32 | 72992P016 | Head, Valve – 2" Metric Flanged (Ductile Iron) | 1 | | |
| 18 | 73058P001 | Stem, Relief Valve | 1 | | | 33 | 11970P031 | Plug, Body – 1/2" NPT | 1 | | 1/1/94 |
| 19 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 33 | 11970P032 | Plug, Body – 1/2" BSP – TR | 1 | | 1/1/94 |
| 20 | 70017P074 | Spring, Relief Valve | 1 | | | 34 | 11970P033 | Plug, Valve Head – 1/4" NPT | 1 | | 1/1/94 |
| 21 | 13981P076 | Flat Washer | 1 | | | 34 | 11970P034 | Plug, Valve Head – 1/4" BSP – TR | 1 | | 1/1/94 |
| 22 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 35 | 78014P007 | Setscrew, OPSO | 4 | | |
| 22 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 36 | 72778P004 | Tube, For All 1-1/2" Models (Only) | 1 | | |
| 22 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 36 | 72778P003 | Tube, For All 2" Models (Only) | 1 | | |
| 22 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 37 | 72986G029 | Assembly, OPSO 14" - 28" w/Buna N Seat Disc | 1 | | |
| 22 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 37 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 37 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 37 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 37 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 23 | 72983P010 | Valve – 1/4" Orifice | 1 | | | 37 | 72986G036 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc | 1 | | |
| 23 | 72983P011 | Valve – 3/8" Orifice | 1 | | | 37 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P012 | Valve – 1/2" Orifice | 1 | | | 37 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P013 | Valve – 5/8" Orifice | 1 | | | 37 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P014 | Valve – 3/4" Orifice | 1 | | | 37 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P015 | Valve – 7/8" Orifice | 1 | | | | | See Page 22 For OPSO Parts | | | |
| 23 | 72983P016 | Valve – 1" Orifice | 1 | | | | | | | | |
| 23 | 72983P017 | Valve – 1-1/4" Orifice | 1 | | | | | | | | |
| 24 | 73787P001 | Instruction Tag | 1 | | | | | | | | |
| 25 | 78001P032 | Bolt, Body 5/16" – 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 25 | 78000P021 | Bolt, Body 5/16" – 18 x 1.00" | 12 | | | | | | | | |
| 26 | 78071P041 | Tag, Relief Valve | 1 | | | | | | | | |
| 27 | 78020P003 | Nut, Body Bolt 5/16" – 24 (Standard) | 12 | | | | | | | | |
| 27 | 78019P013 | Nut, Body Bolt 5/16" – 18 | 12 | | | | | | | | |
| 28 | 70041P071 | Disc, Valve Seat – Buna N – 60 Duro | 1 | | | | | | | | |
| 28 | 70041P072 | Disc, Valve Seat – Buna N – 70 Duro (Standard) | 1 | | | | | | | | |
| 28 | 70041P073 | Disc, Valve Seat – Buna N – 80 Duro | 1 | | | | | | | | |
| 28 | 70041P158 | Disc, Valve Seat – Viton A – 60 Duro | 1 | | | | | | | | |

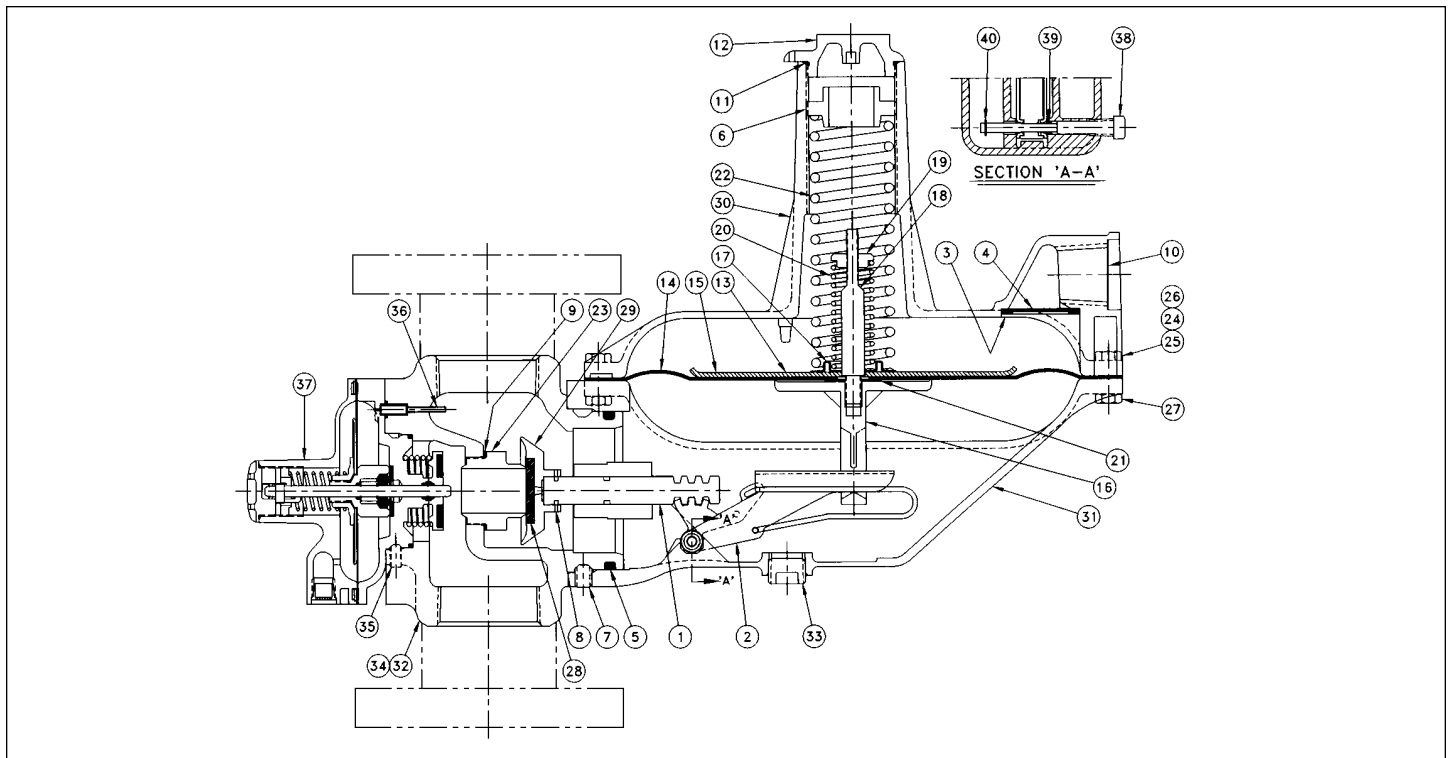
American 1½" and 2" Model 1843B Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|--------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 30 | 70041P073 | Disc, Valve Seat – Buna N – 80 Duro | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 30 | 70041P158 | Disc, Valve Seat – Viton A – 60 Duro | 1 | | |
| 3 | 73055P001 | Vent Flapper Retainer | 1 | | | 30 | 70041P133 | Disc, Valve Seat – Viton A – 70 Duro | 1 | | |
| 4 | 78008P006 | Screw, Vent Flapper Retainer | 4 | | | 30 | 70041P135 | Disc, Valve Seat – Viton A – 80 Duro | 1 | | |
| 5 | 73060P001 | Vent Flapper | 1 | | | 31 | 72624P001 | Holder, Seat Disc – 2" Regulator – with 7/8" thru 1-1/4" Orifice Sizes (SILVER) | 1 | | |
| 6 | 73063P001 | Spring, Vent Flapper | 1 | | | 31 | 72624P003 | Holder, Seat Disc – 2" Regulator – with 1/4" thru 7/8" Orifice Sizes (RED) | 1 | | |
| 7 | 42710P161 | "O" Ring, Valve Head | 1 | | | 31 | 72624P001 | Holder, Seat Disc – 1-1/2" Regulator – All Orifice Sizes (SILVER) | 1 | | |
| 8 | 73183P001 | Adjustment Screw | 1 | | | 32 | 73053P011 | Top, Regulator – without Seal Wire Hole (Standard) – BSP – TR Thread | 1 | | |
| 9 | 78014P006 | Setscrew, Valve Head | 3 | | | 32 | 73053P007 | Top, Regulator – without Seal Wire Hole (Standard) – NPT Thread | 1 | | |
| 10 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 32 | 73053P012 | Top, Regulator – with Seal Wire Hole – BSP – TR Thread | 1 | | |
| 11 | 70019P094 | Gasket, Valve | 1 | | | 32 | 73053P008 | Top, Regulator – with Seal Wire Hole – NPT Thread | 1 | | |
| 12 | 70400P015 | Screen, Vent | 1 | | | 33 | 72628P002 | Body, Regulator BSP – TR Thread | 1 | | |
| 13 | 42710P107 | "O" Ring, Seal Plug | 1 | | 4/1/94 | 33 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 14 | 72357G003 | Seal Plug Assembly | 1 | | 4/1/94 | 34 | 72972P032 | Head, Valve – 1-1/2" x 1-1/2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 15 | 70014G001 | Diaphragm Assembly Complete (Incl. Items 16-23) | 1 | | 4/1/94 | 34 | 72972P033 | Head, Valve – 1-1/2" x 1-1/2" – NPT Thread (Ductile Iron) | 1 | | |
| 16 | 70014P168 | Diaphragm | 1 | 4/1/94 | | 34 | 72972P034 | Head, Valve – 2" x 2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 16 | 70014P203 | Diaphragm | 1 | | | 34 | 72972P035 | Head, Valve – 2" x 2" – NPT Thread (Ductile Iron) | 1 | | |
| 17 | 73057P002 | Plate, Diaphragm* | 1 | | | 34 | 72992P015 | Head, Valve – 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 18 | 72629P005 | Stem, Diaphragm* | 1 | | | 34 | 72992P016 | Head, Valve – 2" Metric Flanged (Ductile Iron) | 1 | | |
| 19 | 73175P001 | Spring Locator | 1 | | | 35 | 11970P031 | Plug – 1/2" NPT | 1 | | 1/1/94 |
| 20 | 73058P001 | Stem, Relief Valve | 1 | | | 35 | 11970P032 | Plug – 1/2" BSP – TR | 1 | | 1/1/94 |
| 21 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 36 | 11970P033 | Plug – 1/4" NPT | 1 | | 1/1/94 |
| 22 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 36 | 11970P034 | Plug – 1/4" BSP – TR | 1 | | 1/1/94 |
| 23 | 13981P076 | Flat Washer | 1 | | | 37 | 72778P004 | Tube, Valve Head – For All 2" Models | 1 | | |
| 24 | 71424P017 | Spring, Pressure 3.5" – 6" w.c. (RED) | 1 | | | 37 | 72778P003 | Tube, Valve Head – For All 2" Models | 1 | | |
| 24 | 71424P018 | Spring, Pressure 5.5" – 8" w.c. (ORANGE) | 1 | | | 38 | 72986G029 | Assembly, OPSO 14" – 28" w/Buna N Seat Disc | 1 | | |
| 24 | 71424P019 | Spring, Pressure 8" – 14" w.c. (YELLOW) | 1 | | | 38 | 72986G030 | Assembly, OPSO 1# – 2# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P020 | Spring, Pressure 14.5" – 28" w.c. (GREEN) | 1 | | | 38 | 72986G031 | Assembly, OPSO 2# – 3# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P021 | Spring, Pressure 1# – 2# (ROYAL BLUE) | 1 | | | 38 | 72986G032 | Assembly, OPSO 3# – 5# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P022 | Spring, Pressure 1.5# – 2.5# (BROWN-ROY. BLUE) | 1 | | | 38 | 72986G033 | Assembly, OPSO 5# – 8# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P026 | Spring, Pressure 2# – 3# (BROWN-GREEN) | 1 | | | 38 | 72986G036 | Assembly, OPSO 14" – 28" w/Viton A Seat Disc | 1 | | |
| 24 | 71424P023 | Spring, Pressure 3# – 5# (BLACK-GREEN) | 1 | | | 38 | 72986G037 | Assembly, OPSO 1# – 2# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P010 | Valve – 1/4" Orifice | 1 | | | 38 | 72986G038 | Assembly, OPSO 2# – 3# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P011 | Valve – 3/8" Orifice | 1 | | | 38 | 72986G039 | Assembly, OPSO 3# – 5# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P012 | Valve – 1/2" Orifice | 1 | | | 38 | 72986G040 | Assembly, OPSO 5# – 8# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P013 | Valve – 5/8" Orifice | 1 | | | | | See Page 22 For OPSO Parts | | | |
| 25 | 72983P014 | Valve – 3/4" Orifice | 1 | | | | | | | | |
| 25 | 72983P015 | Valve – 7/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P016 | Valve – 1" Orifice | 1 | | | | | | | | |
| 25 | 72983P017 | Valve – 1-1/4" Orifice | 1 | | | | | | | | |
| 26 | 78001P032 | Bolt, Body 5/16" – 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 26 | 78000P021 | Bolt, Body 5/16" – 18 x 1.00" | 12 | | | | | | | | |
| 27 | 78020P003 | Nut, Body Bolt 5/16" – 24 (Standard) | 12 | | | | | | | | |
| 27 | 78019P013 | Nut, Body Bolt 5/16" – 18 | 12 | | | | | | | | |
| 28 | 78071P041 | Tag, Relief Valve Setting | 1 | | | | | | | | |
| 29 | 73784P001 | Instruction Tag | 1 | | | | | | | | |
| 30 | 70041P071 | Disc, Valve Seat – Buna N – 60 Duro | 1 | | | | | | | | |
| 30 | 70041P072 | Disc, Valve Seat – Buna N – 70 Duro (Standard) | 1 | | | 39 | 78014P007 | Setscrew, OPSO to Valve Head | 4 | | |

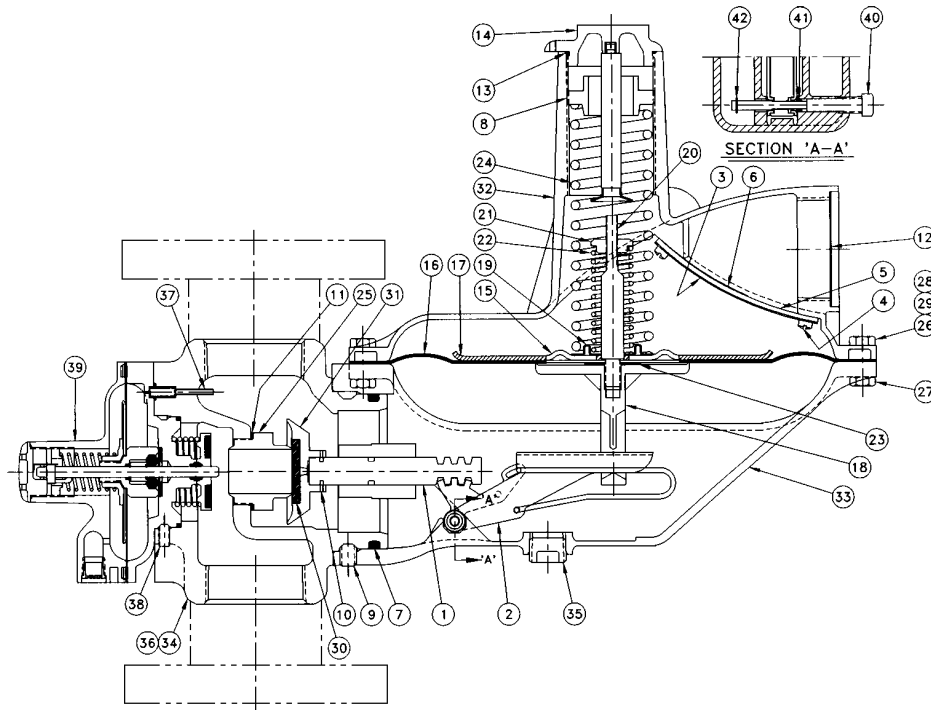
*For regulators built before April 1, 1994, Item 15 must be purchased instead.

American 1½" and 2" Model 1853 Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 28 | 70041P135 | Disc, Valve Seat – Viton A – 80 Duro | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 29 | 72624P001 | Holder, Seat Disc – 2" Regulator – with 7/8" thru 1-1/4" Orifice Sizes (SILVER) | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 29 | 72624P003 | Holder, Seat Disc – 2" Regulator – with 1/4" thru 7/8" Orifice Sizes (RED) | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 29 | 72624P001 | Holder, Seat Disc – 1-1/2" Regulator – All Orifice Sizes (SILVER) | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 30 | 73579P011 | Top, Regulator – without Seal Wire Hole (Standard) – BSP – TR Thread | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 30 | 73579P007 | Top, Regulator – without Seal Wire Hole (Standard) – NPT Thread | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 30 | 73579P012 | Top, Regulator – with Seal Wire Hole – BSP – TR Thread | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 30 | 73579P008 | Top, Regulator – with Seal Wire Hole – NPT Thread | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 31 | 72628P004 | Body, Regulator BSP – TR Thread | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 31 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 32 | 72972P032 | Head, Valve – 1-1/2" x 1-1/2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 32 | 72972P033 | Head, Valve – 1-1/2" x 1-1/2" – NPT Thread (Ductile Iron) | 1 | | |
| 13 | 70014G002 | Diaphragm Assembly Complete (Incl. Items 14-21) | 1 | | | 32 | 72972P034 | Head, Valve – 2" x 2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 14 | 70014P143 | Diaphragm | 1 | | | 32 | 72972P035 | Head, Valve – 2" x 2" – NPT Thread (Ductile Iron) | 1 | | |
| 15 | 70012P052 | Plate, Diaphragm | 1 | | | 32 | 72992P015 | Head, Valve – 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 16 | 72629P005 | Stem, Diaphragm | 1 | | | 32 | 72992P016 | Head, Valve – 2" Metric Flanged (Ductile Iron) | 1 | | |
| 17 | 73175P001 | Spring Locator | 1 | | | 33 | 11970P031 | Plug, Body – 1/2" NPT | 1 | | 1/1/94 |
| 18 | 73058P001 | Stem, Relief Valve | 1 | | | 33 | 11970P032 | Plug, Body – 1/2" BSP – TR | 1 | | 1/1/94 |
| 19 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 34 | 11970P033 | Plug, Valve Head – 1/4" NPT | 1 | | 1/1/94 |
| 20 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 34 | 11970P034 | Plug, Valve Head – 1/4" BSP – TR | 1 | | 1/1/94 |
| 21 | 13981P076 | Flat Washer | 1 | | | 35 | 78014P007 | Setscrew, OPSO to Valve Head | 4 | | |
| 22 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 36 | 72778P004 | Tube, For All 1-1/2" Models (Only) | 1 | | |
| 22 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 36 | 72778P003 | Tube, For All 2" Models (Only) | 1 | | |
| 22 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 37 | 72986G029 | Assembly, OPSO 14" - 28" w/Buna N Seat Disc | 1 | | |
| 22 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 37 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 37 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 37 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 37 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 22 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 37 | 72986G036 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc | 1 | | |
| 23 | 72983P010 | Valve – 1/4" Orifice | 1 | | | 37 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P011 | Valve – 3/8" Orifice | 1 | | | 37 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P012 | Valve – 1/2" Orifice | 1 | | | 37 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P013 | Valve – 5/8" Orifice | 1 | | | 37 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 23 | 72983P014 | Valve – 3/4" Orifice | 1 | | | 38 | 72943G001 | Drive Shaft Assembly | 1 | | |
| 23 | 72983P015 | Valve – 7/8" Orifice | 1 | | | 39 | 73381P001 | Washer, Drive Shaft | 1 | | |
| 23 | 72983P016 | Valve – 1" Orifice | 1 | | | 40 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 23 | 72983P017 | Valve – 1-1/4" Orifice | 1 | | | | | | | | |
| 24 | 73786P001 | Instruction Tag | 1 | | | | | | | | |
| 25 | 78001P032 | Bolt, Body 5/16" – 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 25 | 78000P021 | Bolt, Body 5/16" – 18 x 1.00" | 12 | | | | | | | | |
| 26 | 78071P041 | Tag, Relief Valve | 1 | | | | | | | | |
| 27 | 78020P003 | Nut, Body Bolt 5/16" – 24 (Standard) | 12 | | | | | | | | |
| 27 | 78019P013 | Nut, Body Bolt 5/16" – 18 | 12 | | | | | | | | |
| 28 | 70041P071 | Disc, Valve Seat – Buna N – 60 Duro | 1 | | | | | | | | |
| 28 | 70041P072 | Disc, Valve Seat – Buna N – 70 Duro (Standard) | 1 | | | | | | | | |
| 28 | 70041P073 | Disc, Valve Seat – Buna N – 80 Duro | 1 | | | | | | | | |
| 28 | 70041P158 | Disc, Valve Seat – Viton A – 60 Duro | 1 | | | | | | | | |
| 28 | 70041P133 | Disc, Valve Seat – Viton A – 70 Duro | 1 | | | | | | | | |

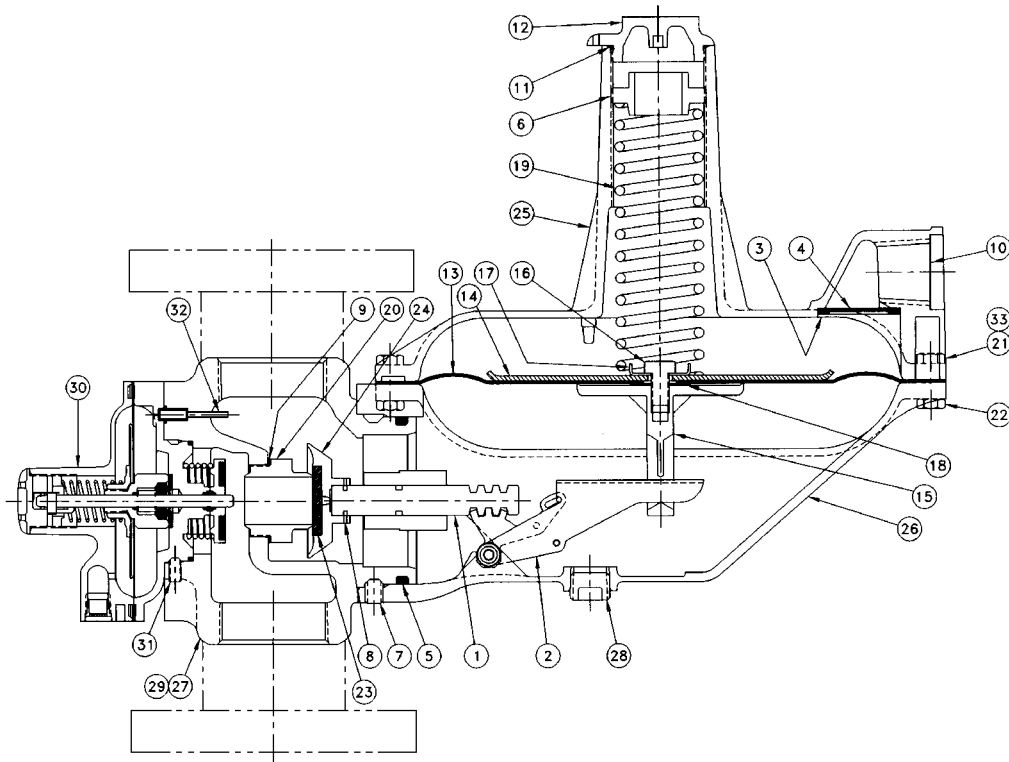
American 1½" and 2" Model 1853B Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|--------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 30 | 70041P133 | Disc, Valve Seat – Viton A – 70 Duro | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 30 | 70041P135 | Disc, Valve Seat – Viton A – 80 Duro | 1 | | |
| 3 | 73055P001 | Vent Flapper Retainer | 1 | | | 31 | 72624P001 | Holder, Seat Disc – 2" Regulator – with 7/8" thru 1-1/4" Orifice Sizes (SILVER) | 1 | | |
| 4 | 78008P006 | Screw, Vent Flapper Retainer | 4 | | | 31 | 72624P003 | Holder, Seat Disc – 2" Regulator – with 1/4" thru 7/8" Orifice Sizes (RED) | 1 | | |
| 5 | 73060P001 | Vent Flapper | 1 | | | 31 | 72624P001 | Holder, Seat Disc – 1-1/2" Regulator – All Orifice Sizes (SILVER) | 1 | | |
| 6 | 73063P001 | Spring, Vent Flapper | 1 | | | 32 | 73053P011 | Top, Regulator – (without Seal Wire Hole (Standard) – BSP – TR Thread | 1 | | |
| 7 | 42710P161 | "O" Ring, Valve Head | 1 | | | 32 | 73053P007 | Top, Regulator – (without Seal Wire Hole (Standard) – NPT Thread | 1 | | |
| 8 | 73183P001 | Adjustment Screw | 1 | | | 32 | 73053P012 | Top, Regulator – with Seal Wire Hole – BSP – TR Thread | 1 | | |
| 9 | 78014P006 | Setscrew, Valve Head | 3 | | | 32 | 73053P008 | Top, Regulator – with Seal Wire Hole – NPT Thread | 1 | | |
| 10 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 33 | 72628P004 | Body, Regulator BSP – TR Thread | 1 | | |
| 11 | 70019P094 | Gasket, Valve | 1 | | | 33 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 12 | 70400P015 | Screen, Vent | 1 | | | 34 | 72972P032 | Head, Valve – 1-1/2" x 1-1/2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 13 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 34 | 72972P033 | Head, Valve – 1-1/2" x 1-1/2" – NPT Thread (Ductile Iron) | 1 | | |
| 14 | 72357G003 | Seal Plug Assembly | 1 | | | 34 | 72972P034 | Head, Valve – 2" x 2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 15 | 70014G001 | Diaphragm Assembly Complete | 1 | | | 34 | 72972P035 | Head, Valve – 2" x 2" – NPT Thread (Ductile Iron) | 1 | | |
| 16 | 70014P168 | Diaphragm | 1 | 4/1/94 | | 34 | 72992P015 | Head, Valve – 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 16 | 70014P203 | Diaphragm | 1 | | 4/1/94 | 34 | 72992P016 | Head, Valve – 2" Metric Flanged (Ductile Iron) | 1 | | |
| 17 | 73057P002 | Plate, Diaphragm* | 1 | | 4/1/94 | 35 | 11970P031 | Plug – 1/2" NPT (Body) | 1 | | 1/1/94 |
| 18 | 72629P005 | Stem, Diaphragm* | 1 | | 4/1/94 | 35 | 11970P032 | Plug – 1/2" BSP – TR (Body) | 1 | | 1/1/94 |
| 19 | 73175P001 | Spring Locator | 1 | | | 36 | 11970P033 | Plug – 1/4" NPT (Valve Head) | 1 | | 1/1/94 |
| 20 | 73058P001 | Stem, Relief Valve | 1 | | | 36 | 11970P034 | Plug – 1/4" BSP – TR (Valve Head) | 1 | | 1/1/94 |
| 21 | 71533P001 | Nut, R.V. Spring Adjustment | 1 | | | 37 | 72778P004 | Tube, Valve Head – For All 2" Models | 1 | | |
| 22 | 70017P074 | Spring, Relief Valve (BLACK-ORANGE) | 1 | | | 37 | 72778P003 | Tube, Valve Head – For All 2" Models | 1 | | |
| 23 | 13981P076 | Flat Washer | 1 | | | 38 | 78014P007 | Setscrew, OPSO Valve Head | 4 | | |
| 24 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 39 | 72986G029 | Assembly, OPSO 14" - 28" w/Buna N Seat Disc | 1 | | |
| 24 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 39 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 39 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 39 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 39 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 24 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 39 | 72986G036 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc | 1 | | |
| 24 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 39 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 24 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 39 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P010 | Valve – 1/4" Orifice | 1 | | | 39 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P011 | Valve – 3/8" Orifice | 1 | | | 39 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 25 | 72983P012 | Valve – 1/2" Orifice | 1 | | | | | See Page 22 For OPSO Parts | | | |
| 25 | 72983P013 | Valve – 5/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P014 | Valve – 3/4" Orifice | 1 | | | | | | | | |
| 25 | 72983P015 | Valve – 7/8" Orifice | 1 | | | | | | | | |
| 25 | 72983P016 | Valve – 1" Orifice | 1 | | | | | | | | |
| 25 | 72983P017 | Valve – 1-1/4" Orifice | 1 | | | | | | | | |
| 26 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 26 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 27 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 27 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |
| 28 | 78071P041 | Tag, Relief Valve Setting | 1 | | | | | | | | |
| 29 | 73786P001 | Instruction Tag | 1 | | | | | | | | |
| 30 | 70041P071 | Disc, Valve Seat – Buna N – 60 Duro | 1 | | | 40 | 72943G001 | Assembly, Drive Shaft | 1 | | |
| 30 | 70041P072 | Disc, Valve Seat – Buna N – 70 Duro (Standard) | 1 | | | 41 | 73381P001 | Washer, Drive Shaft | 1 | | |
| 30 | 70041P073 | Disc, Valve Seat – Buna N – 80 Duro | 1 | | | 42 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 30 | 70041P158 | Disc, Valve Seat – Viton A – 60 Duro | 1 | | | | | | | | |

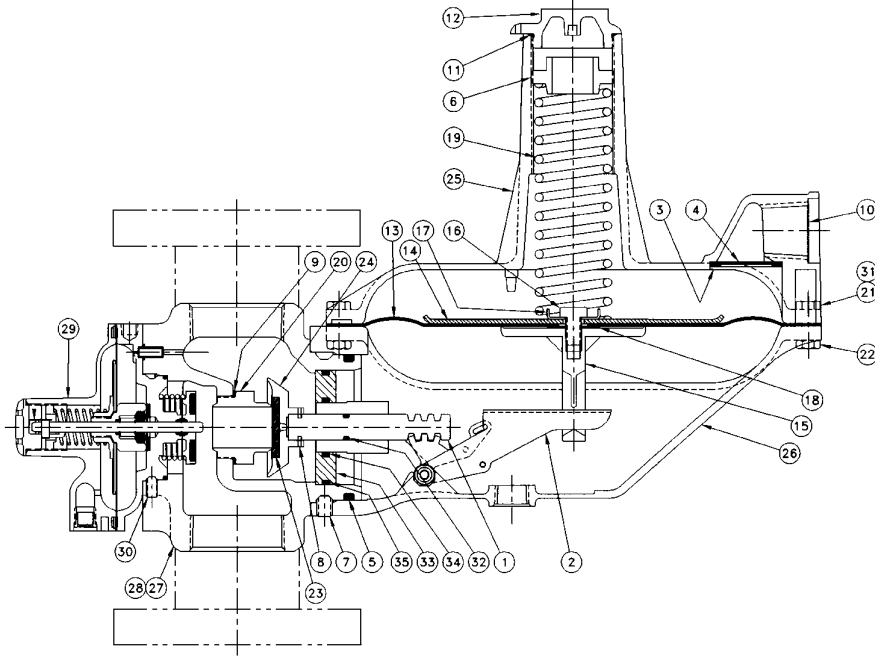
*For regulators built before April 1, 1994, Item 15 must be purchased instead.

American 1½" and 2" Model 1883 Industrial Regulator



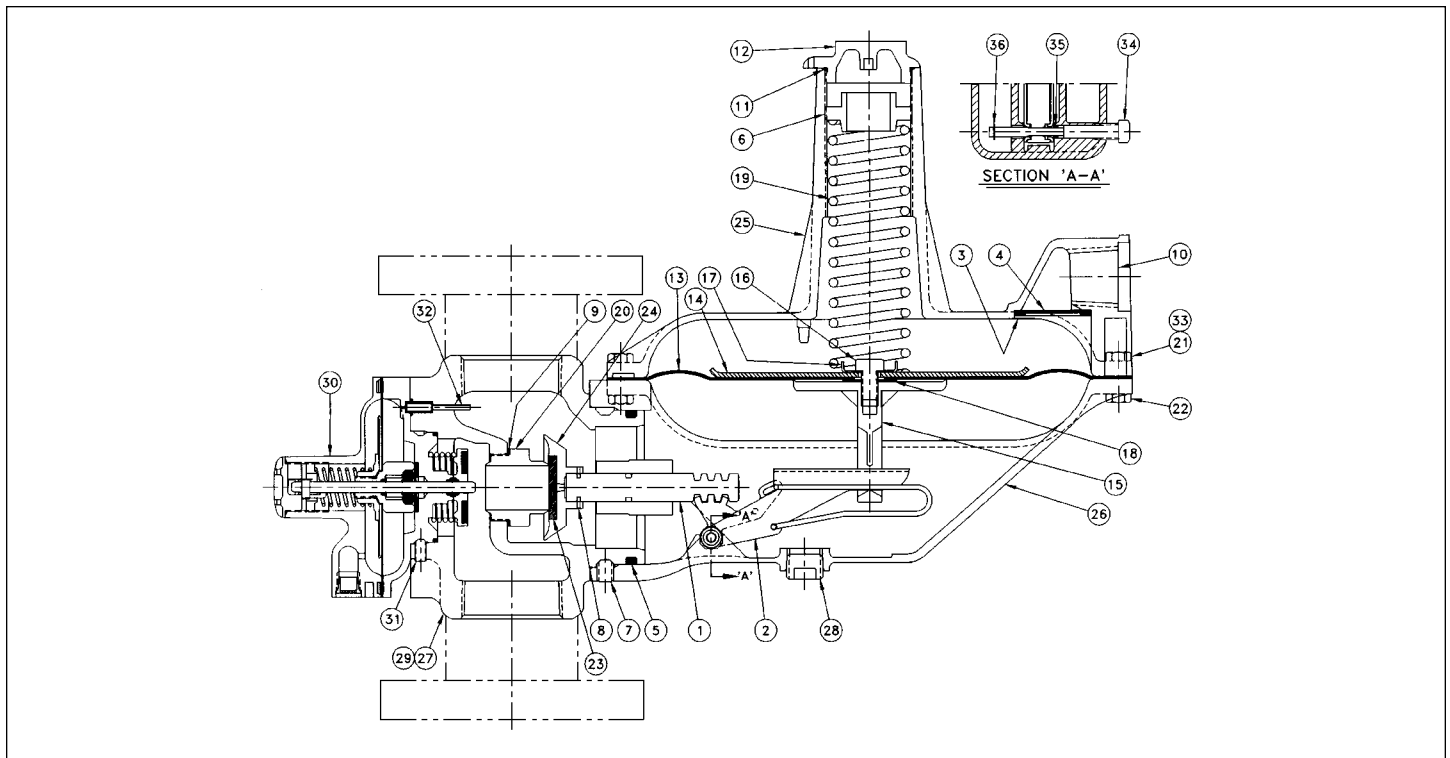
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 24 | 72624P003 | Holder, Seat Disc - 2" Regulator - with 7/8" thru 1-1/4" Orifice Sizes (RED) | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 24 | 72624P001 | Holder, Seat Disc - 1-1/2" Regulator - All Orifice Sizes (SILVER) | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 25 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 25 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 5 | 42710P161 | "O" Ring, Body to Valve Head | 1 | | | 25 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 25 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 26 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 26 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 27 | 72972P032 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 27 | 72972P033 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 27 | 72972P034 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 27 | 72972P035 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 13 | 70014P143 | Diaphragm | 1 | | | 27 | 72992P015 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 14 | 70012P052 | Plate, Diaphragm | 1 | | | 27 | 72992P016 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 15 | 72629P005 | Stem, Diaphragm | 1 | | | 28 | 11970P031 | Plug, Body - 1/2" NPT | 1 | | 1/1/94 |
| 16 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 28 | 11970P032 | Plug, Body - 1/2" BSP - TR | 1 | | 1/1/94 |
| 17 | 72272P001 | Guide, Spring | 1 | | | 29 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 18 | 13981P076 | Flat Washer | 1 | | | 29 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 30 | 72986G029 | Assembly, OPSO 14" - 28" w/Buna N Seat Disc | 1 | | |
| 19 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 30 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 30 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 30 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 30 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 30 | 72986G036 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc | 1 | | |
| 19 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 30 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 19 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 30 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 30 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 30 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 31 | 78014P007 | Setscrew, OPSO Valve Head (1/2 - 20 x .50 Lg.) | 4 | | |
| 20 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 32 | 72778P004 | Tube, For All 1-1/2" Models (Only) | 1 | | |
| 20 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 32 | 72778P003 | Tube, For All 2" Models (Only) | 1 | | |
| 20 | 72983P015 | Valve - 7/8" Orifice | 1 | | | 33 | 73787P001 | Instruction Tag | 1 | | |
| 20 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 20 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 21 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 21 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 22 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 22 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |
| 23 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | | | | | | |
| 23 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | | | | | | | |
| 23 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | | | | | | | |
| 23 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | | | | | | | |
| 23 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | | | | | | | |
| 23 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | | | | | | | |
| 24 | 72624P001 | Holder, Seat Disc - 2" Regulator - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | | | | | | | |

American 1½" and 2" Model 1883M Industrial Regulator



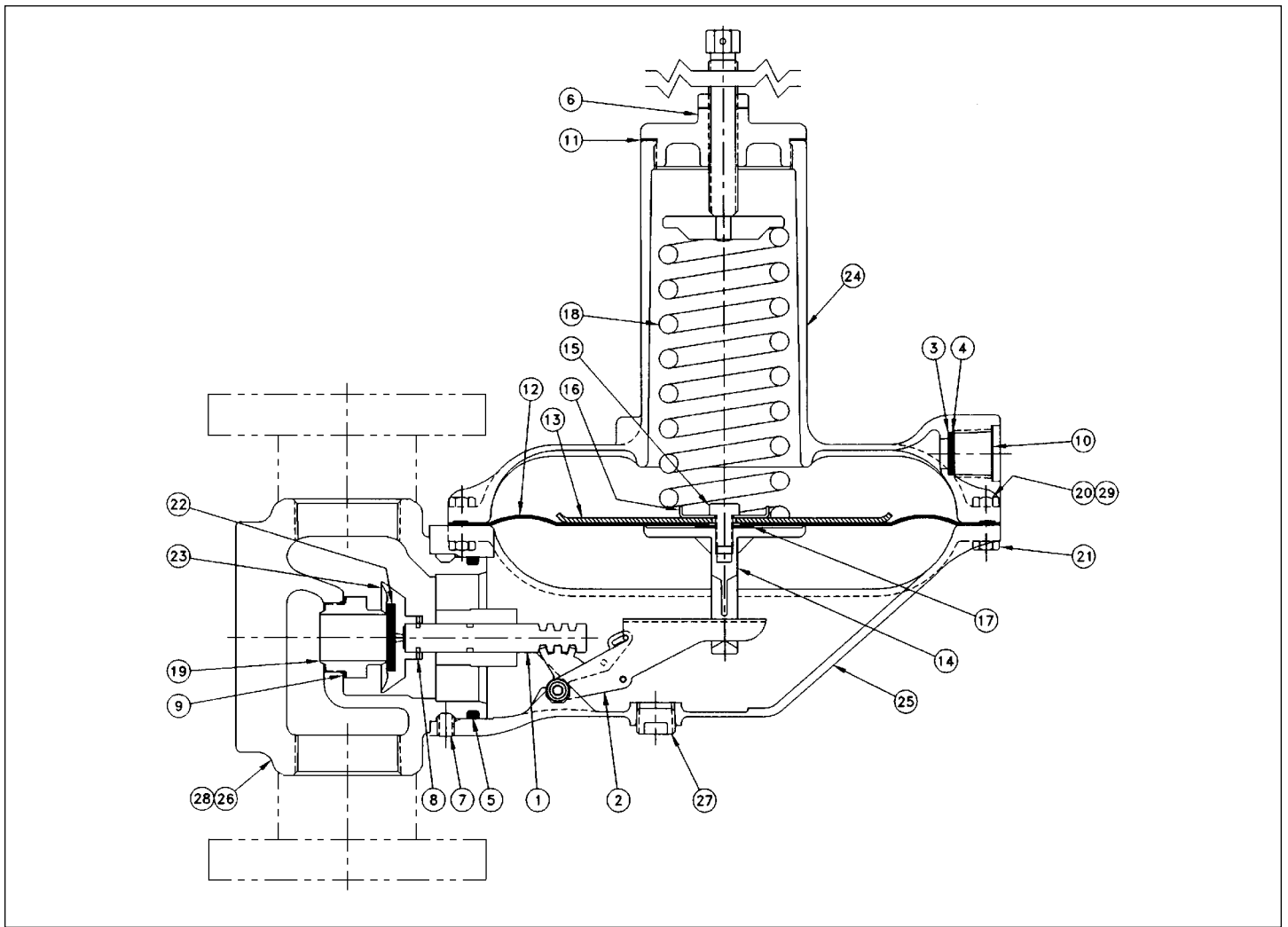
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 25 | 73579P008 | Top, Regulator – with Seal Wire Hole – NPT Thread | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 26 | 72628P002 | Body, Regulator BSP – TR Thread | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 26 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 27 | 72972P032 | Head, Valve – 1-1/2" x 1-1/2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 5 | 42710P161 | "O" Ring, Body to Valve Head | 1 | | | 27 | 72972P033 | Head, Valve – 1-1/2" x 1-1/2" – NPT Thread (Ductile Iron) | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 27 | 72972P034 | Head, Valve – 2" x 2" – BSP – TR Thread (Ductile Iron) | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 27 | 72972P035 | Head, Valve – 2" x 2" – NPT Thread (Ductile Iron) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 27 | 72992P015 | Head, Valve – 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 27 | 72992P016 | Head, Valve – 2" Metric Flanged (Ductile Iron) | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 28 | 11970P033 | Plug, Valve Head – 1/4" NPT | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 28 | 11970P034 | Plug, Valve Head – 1/4" BSP – TR | 1 | | 1/1/94 |
| 12 | 70103P001 | Seal Plug | 1 | | | 29 | | Assembly, OPSP 14" - 28" w/Buna N Seat Disc | 1 | | 1/1/94 |
| 13 | 70014P143 | Diaphragm | 1 | | | | 72986G169 | – BSP – TR Thread | 1 | | |
| 14 | 70012P052 | Plate, Diaphragm | 1 | | | | 72986G085 | – NPT Thread | 1 | | |
| 15 | 72629P005 | Stem, Diaphragm | 1 | | | 29 | | Assembly, OPSP 1# - 2# w/Buna N Seat Disc | 1 | | |
| 16 | 78000P081 | Screw, Diaphragm Stem | 1 | | | | 72986G170 | – BSP – TR Thread | 1 | | |
| 17 | 72272P001 | Guide, Spring | 1 | | | | 72986G086 | – NPT Thread | 1 | | |
| 18 | 13981P076 | Flat Washer | 1 | | | 29 | | Assembly, OPSP 2# - 3# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | | 72986G171 | – BSP – TR Thread | 1 | | |
| 19 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | | 72986G087 | – NPT Thread | 1 | | |
| 19 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 29 | | Assembly, OPSP 2# - 3# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | | 72986G172 | – BSP – TR Thread | 1 | | |
| 19 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | | 72986G087 | – NPT Thread | 1 | | |
| 19 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 29 | | Assembly, OPSP 3# - 5# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | | 72986G172 | – BSP – TR Thread | 1 | | |
| 19 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | | 72986G088 | – NPT Thread | 1 | | |
| 20 | 72983P010 | Valve – 1/4" Orifice | 1 | | | 29 | | Assembly, OPSP 5# - 8# w/Buna N Seat Disc | 1 | | |
| 20 | 72983P011 | Valve – 3/8" Orifice | 1 | | | | 72986G173 | – BSP – TR Thread | 1 | | |
| 20 | 72983P012 | Valve – 1/2" Orifice | 1 | | | | 72986G089 | – NPT Thread | 1 | | |
| 20 | 72983P013 | Valve – 5/8" Orifice | 1 | | | 29 | | Assembly, OPSP 14" - 28" w/Viton A Seat Disc | 1 | | |
| 20 | 72983P014 | Valve – 3/4" Orifice | 1 | | | | 72986G176 | – BSP – TR Thread | 1 | | |
| 20 | 72983P015 | Valve – 7/8" Orifice | 1 | | | | 72986G092 | – NPT Thread | 1 | | |
| 20 | 72983P016 | Valve – 1" Orifice | 1 | | | 29 | | Assembly, OPSP 1# - 2# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P017 | Valve – 1-1/4" Orifice | 1 | | | | 72986G177 | – BSP – TR Thread | 1 | | |
| 21 | 78001P032 | Bolt, Body 5/16" – 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | 72986G093 | – NPT Thread | 1 | | |
| 21 | 78000P021 | Bolt, Body 5/16" – 18 x 1.00" | 12 | | | 29 | | Assembly, OPSP 2# - 3# w/Viton A Seat Disc | 1 | | |
| 22 | 78020P003 | Nut, Body Bolt 5/16" – 24 (Standard) | 12 | | | | 72986G178 | – BSP – TR Thread | 1 | | |
| 22 | 78019P013 | Nut, Body Bolt 5/16" – 18 | 12 | | | | 72986G094 | – NPT Thread | 1 | | |
| 23 | 70041P071 | Disc, Valve Seat – Buna N – 60 Duro | 1 | | | 29 | | Assembly, OPSP 3# - 5# w/Viton A Seat Disc | 1 | | |
| 23 | 70041P072 | Disc, Valve Seat – Buna N – 70 Duro (Standard) | 1 | | | | 72986G179 | – BSP – TR Thread | 1 | | |
| 23 | 70041P073 | Disc, Valve Seat – Buna N – 80 Duro | 1 | | | | 72986G095 | – NPT Thread | 1 | | |
| 23 | 70041P158 | Disc, Valve Seat – Viton A – 60 Duro | 1 | | | 29 | | Assembly, OPSP 5# - 8# w/Viton A Seat Disc | 1 | | |
| 23 | 70041P133 | Disc, Valve Seat – Viton A – 70 Duro | 1 | | | | 72986G180 | – BSP – TR Thread | 1 | | |
| 23 | 70041P135 | Disc, Valve Seat – Viton A – 80 Duro | 1 | | | | 72986G096 | – NPT Thread | 1 | | |
| 24 | 72624P001 | Holder, Seat Disc – For Use w/2" Models – with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | | 30 | 78014P007 | Setscrew, OPSP Valve Head | 4 | | |
| 24 | 72624P003 | Holder, Seat Disc – For Use w/2" Models – with 7/8" thru 1-1/4" Orifice Sizes (RED) | 1 | | | 31 | 73787P001 | Instruction Tag | 1 | | |
| 24 | 72624P001 | Holder, Seat Disc – For Use w/1-1/2" Models – All Orifice Sizes (SILVER) | 1 | | | 32 | 42710P149 | Valve Plunger "O" Ring | 1 | | |
| 25 | 73579P011 | Top, Regulator – without Seal Wire Hole (Standard) – BSP – TR Thread | 1 | | | 33 | 73010P001 | Plate, Isolation | 1 | 1/1/94 | |
| 25 | 73579P007 | Top, Regulator – without Seal Wire Hole (Standard) – NPT Thread | 1 | | | 33 | 73010P002 | Plate, Isolation | 1 | | 1/1/94 |
| 25 | 73579P012 | Top, Regulator – with Seal Wire Hole – BSP – TR Thread | 1 | | | 34 | 42710P106 | "O" Ring, Isolation Plate – I.D. | 1 | 1/1/94 | |
| | | | | | | 34 | 42710P078 | "O" Ring, Isolation Plate – I.D. | 1 | | 1/1/94 |
| | | | | | | 35 | 42710P157 | "O" Ring, Isolation Plate – O.D. | 1 | | 1/1/94 |

American 1½" and 2" Model 1893 Industrial Regulator



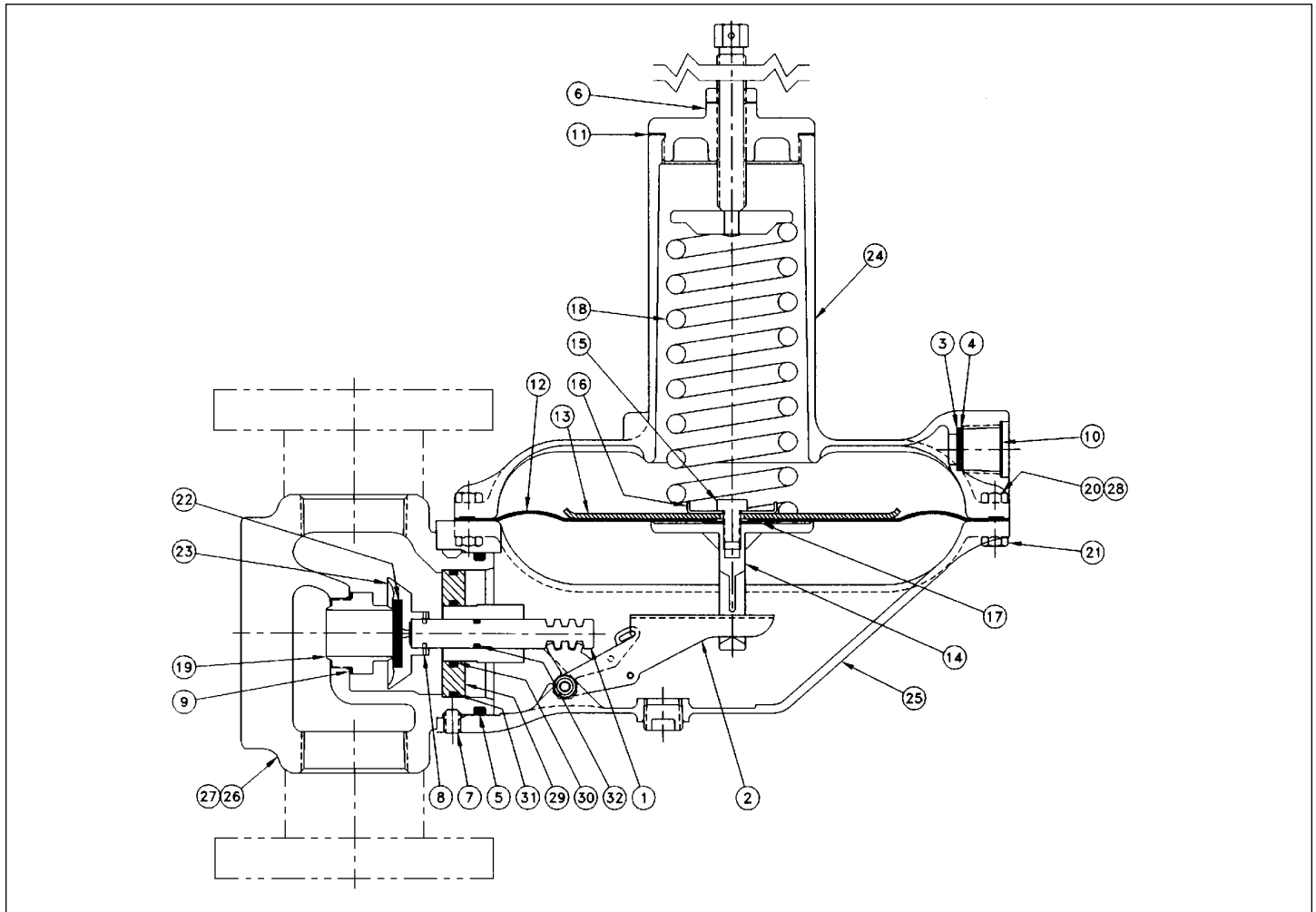
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|--|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 24 | 72624P003 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (RED) | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 24 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 3 | 71876P005 | Vent Flapper Retainer | 1 | | | 25 | 73579P011 | Top, Regulator - without Seal Wire Hole (Standard) - BSP - TR Thread | 1 | | |
| 4 | 72770P002 | Vent Flapper | 1 | | | 25 | 73579P007 | Top, Regulator - without Seal Wire Hole (Standard) - NPT Thread | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 25 | 73579P012 | Top, Regulator - with Seal Wire Hole - BSP - TR Thread | 1 | | |
| 6 | 73183P001 | Adjustment Screw | 1 | | | 25 | 73579P008 | Top, Regulator - with Seal Wire Hole - NPT Thread | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 26 | 72628P004 | Body, Regulator BSP - TR Thread | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 26 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 27 | 72972P032 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 10 | 70400P013 | Screen, Vent | 1 | | | 27 | 72972P033 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 11 | 42710P107 | "O" Ring, Seal Plug | 1 | | | 27 | 72972P034 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 12 | 70103P001 | Seal Plug | 1 | | | 27 | 72972P035 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 13 | 70014P143 | Diaphragm | 1 | | | 27 | 72992P015 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 14 | 70012P052 | Plate, Diaphragm | 1 | new | | 27 | 72992P016 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 15 | 72629P005 | Stem, Diaphragm | 1 | | | 28 | 11970P031 | Plug, Body 1/2" NPT | 1 | | 1/1/94 |
| 16 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 28 | 11970P032 | Plug, Body 1/2" BSP - TR | 1 | | 1/1/94 |
| 17 | 72272P001 | Guide, Spring | 1 | | new | 29 | 11970P033 | Plug, Valve Head 1/4" NPT | 1 | | 1/1/94 |
| 18 | 13981P076 | Flat Washer | 1 | | | 29 | 11970P034 | Plug, Valve Head 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 71424P017 | Spring, Pressure 3.5" - 6" w.c. (RED) | 1 | | | 30 | 72986G029 | Assembly, OPSO 14" - 28" w/Buna N Seat Disc | 1 | | |
| 19 | 71424P018 | Spring, Pressure 5.5" - 8" w.c. (ORANGE) | 1 | | | 30 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P019 | Spring, Pressure 8" - 14" w.c. (YELLOW) | 1 | | | 30 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P020 | Spring, Pressure 14.5" - 28" w.c. (GREEN) | 1 | | | 30 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P021 | Spring, Pressure 1# - 2# (ROYAL BLUE) | 1 | | | 30 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 19 | 71424P026 | Spring, Pressure 1.5# - 2.5# (BROWN-ROY. BLUE) | 1 | | | 30 | 72986G036 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc | 1 | | |
| 19 | 71424P022 | Spring, Pressure 2# - 3# (BROWN-GREEN) | 1 | | | 30 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 19 | 71424P023 | Spring, Pressure 3# - 5# (BLACK-GREEN) | 1 | | | 30 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 30 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 30 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 20 | 72983P012 | Valve - 1/2" Orifice | 1 | | | | | See Page 22 For OPSO Parts | | | |
| 20 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 31 | 78014P007 | Setscrew, OPSO Valve Head | 4 | | |
| 20 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 32 | 72778P004 | Tube, For All 1-1/2" Models (Only) | 1 | | |
| 20 | 72983P015 | Valve - 7/8" Orifice | 1 | | | 32 | 72778P003 | Tube, For All 2" Models (Only) | 1 | | |
| 20 | 72983P016 | Valve - 1" Orifice | 1 | | | 33 | 73786P001 | Instruction Tag | 1 | | |
| 20 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | 34 | 72943G001 | Assembly Drive Shaft | 1 | | |
| 21 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | 35 | 73381P001 | Washer, Drive Shaft | 1 | | |
| 21 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | 36 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 22 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 22 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |
| 23 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | | | | | | |
| 23 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | | | | | | | |
| 23 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | | | | | | | |
| 23 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | | | | | | | |
| 23 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | | | | | | | |
| 23 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | | | | | | | |
| 24 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | | | | | | | |

American 1½" and 2" Model 2003 Industrial Regulator



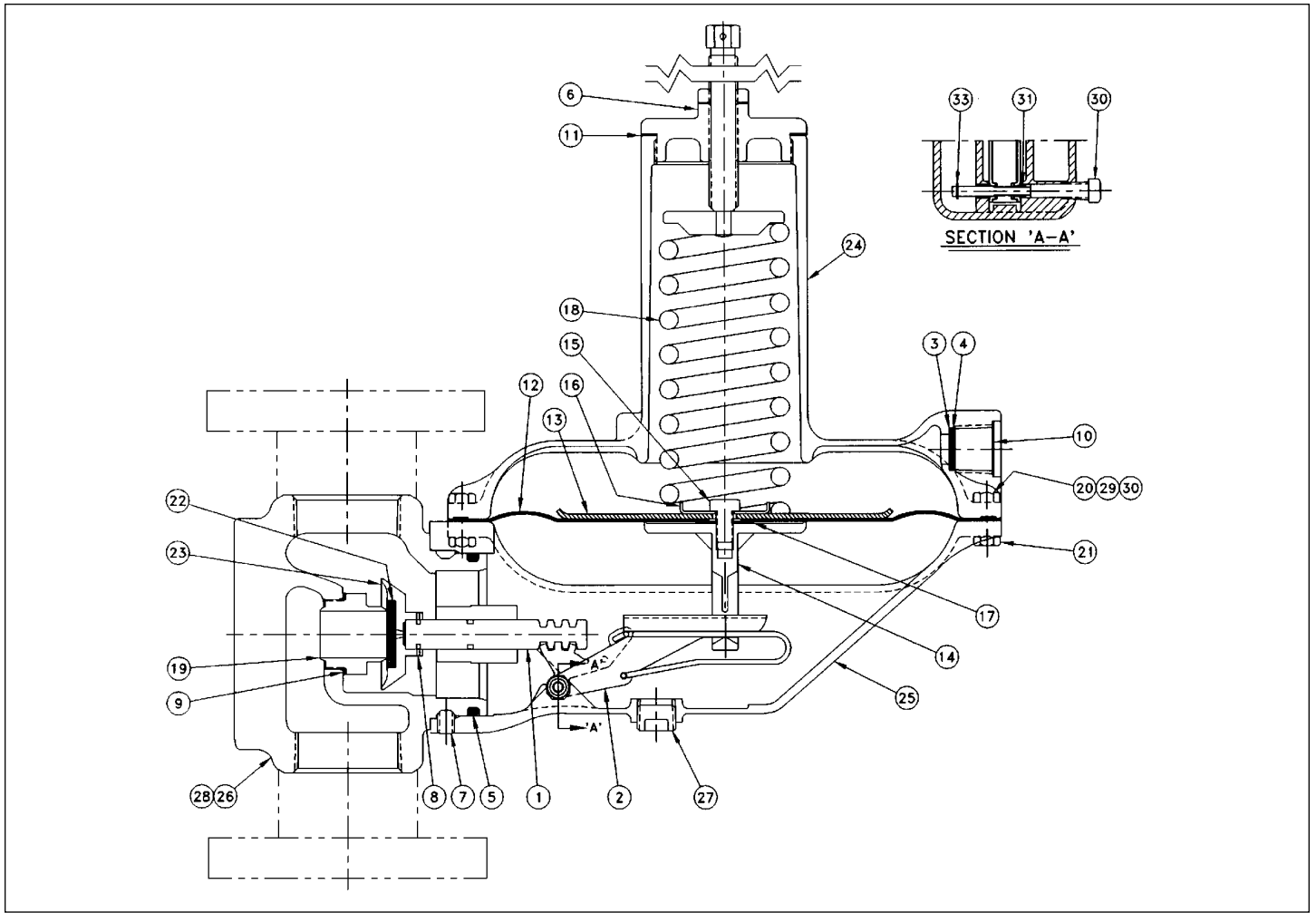
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 21 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | |
| 2 | 72626G001 | Lever | 1 | | | 21 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | |
| 3 | 78074P001 | Vent Flapper Retainer | 1 | | | 22 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 4 | 72163P001 | Vent Flapper | 1 | | | 22 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 22 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 6 | 72357G001 | Seal Plug Assembly - without Seal Wire Hole (Standard) | 1 | | | 22 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 6 | 72357G002 | Seal Plug Assembly - with Seal Wire Hole | 1 | | | 22 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 22 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 23 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 10 | 70400P008 | Screen, Vent | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 11 | 70019P087 | Gasket, Seal Plug | 1 | | | 24 | 72354P001 | Top, Regulator - without Seal Wire Hole | 1 | | |
| 12 | 70014P143 | Diaphragm | 1 | | | 24 | 72354P002 | Top, Regulator - with Seal Wire Hole | 1 | | |
| 13 | 70012P052 | Plate, Diaphragm | 1 | | | 25 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 14 | 72629P005 | Stem, Diaphragm | 1 | | | 25 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 15 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 26 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 16 | 70012P051 | Guide, Spring | 1 | | | 26 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 17 | 13981P076 | Flat Washer | 1 | | | 26 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 18 | 71411P020 | Spring, Pressure 0.05# - 1# (BROWN & WHITE) | 1 | | | 26 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 18 | 71411P021 | Spring, Pressure 1# - 2.5# (PURPLE & WHITE) | 1 | | | 26 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 18 | 71411P022 | Spring, Pressure 2.5# - 5# (ORANGE & BLACK) | 1 | | | 26 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 18 | 71411P023 | Spring, Pressure 5# - 10# (BLACK) | 1 | | | 27 | 11970P031 | Plug, Body 1/2" NPT | 1 | | 1/1/94 |
| 18 | 71411P024 | Spring, Pressure 10# - 15# (YELLOW & GREEN) | 1 | | | 27 | 11970P032 | Plug, Body 1/2" BSP - TR | 1 | | 1/1/94 |
| 19 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 28 | 11970P033 | Plug, Valve Head 1/4" NPT | 1 | | 1/1/94 |
| 19 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 28 | 11970P034 | Plug, Valve Head 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 29 | 78113P002 | Identification Tag | 1 | | |
| 19 | 72983P013 | Valve - 5/8" Orifice | 1 | | | | | | | | |
| 19 | 72983P014 | Valve - 3/4" Orifice | 1 | | | | | | | | |
| 19 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 19 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 19 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 20 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 20 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |

American 1½" and 2" Model 2003M Industrial Regulator



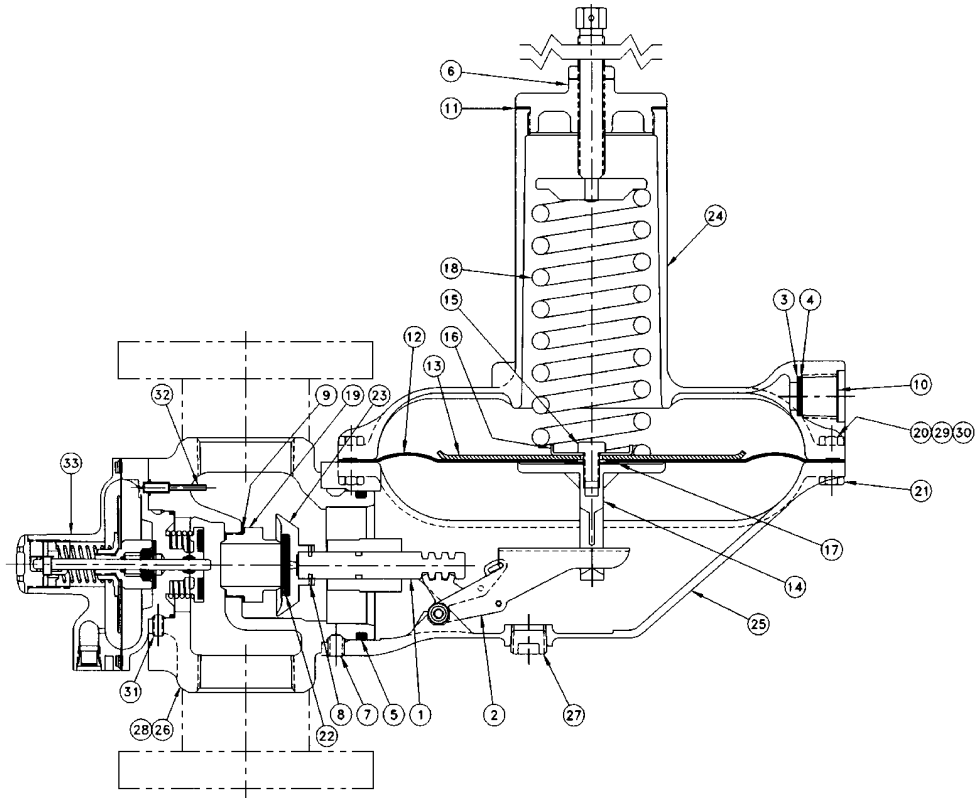
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 22 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 22 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 3 | 78074P001 | Vent Flapper Retainer | 1 | | | 22 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 4 | 72163P001 | Vent Flapper | 1 | | | 22 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring, Valve Head | 1 | | | 22 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 6 | 72357G001 | Seal Plug Assembly - without Seal Wire Hole (Standard) | 1 | | | 22 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 6 | 72357G002 | Seal Plug Assembly - with Seal Wire Hole | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 23 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 24 | 72354P001 | Top, Regulator - without Seal Wire Hole | 1 | | |
| 10 | 70400P008 | Screen, Vent | 1 | | | 24 | 72354P002 | Top, Regulator - with Seal Wire Hole | 1 | | |
| 11 | 70019P087 | Gasket, Seal Plug | 1 | | | 25 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 12 | 70014P143 | Diaphragm | 1 | | | 25 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 13 | 70012P052 | Plate, Diaphragm | 1 | | | 26 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 14 | 72629P005 | Stem, Diaphragm | 1 | | | 26 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 15 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 26 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 16 | 70012P051 | Guide, Spring | 1 | | | 26 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 17 | 13981P076 | Flat Washer | 1 | | | 26 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 18 | 71411P020 | Spring, Pressure 0.05# - 1# (BROWN & WHITE) | 1 | | | 26 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 18 | 71411P021 | Spring, Pressure 1# - 2.5# (PURPLE & WHITE) | 1 | | | 27 | 11970P033 | Plug, Valve Head 1/4" NPT | 1 | | 1/1/94 |
| 18 | 71411P022 | Spring, Pressure 2.5# - 5# (ORANGE & BLACK) | 1 | | | 27 | 11970P034 | Plug, Valve Head 1/4" BSP - TR | 1 | | 1/1/94 |
| 18 | 71411P023 | Spring, Pressure 5# - 10# (BLACK) | 1 | | | 28 | 78113P002 | Identification Tag | 1 | | |
| 18 | 71411P024 | Spring, Pressure 10# - 15# (YELLOW & GREEN) | 1 | | | 29 | 73010P001 | Plate, Isolation | 1 | 1/1/94 | |
| 19 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 29 | 73010P002 | Plate, Isolation | 1 | | 1/1/94 |
| 19 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 30 | 42710P106 | "O" Ring, Isolation Plate I.D. | 1 | 1/1/94 | |
| 19 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 30 | 42710P078 | "O" Ring, Isolation Plate I.D. | 1 | | 1/1/94 |
| 19 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 31 | 42710P157 | "O" Ring, Isolation Plate O.D. | 1 | | |
| 19 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 32 | 42710P149 | "O" Ring, Valve Plunger | 1 | | |
| 19 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 19 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 19 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 20 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 20 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 21 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 21 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |

American 1½" and 2" Model 2023 Industrial Regulator



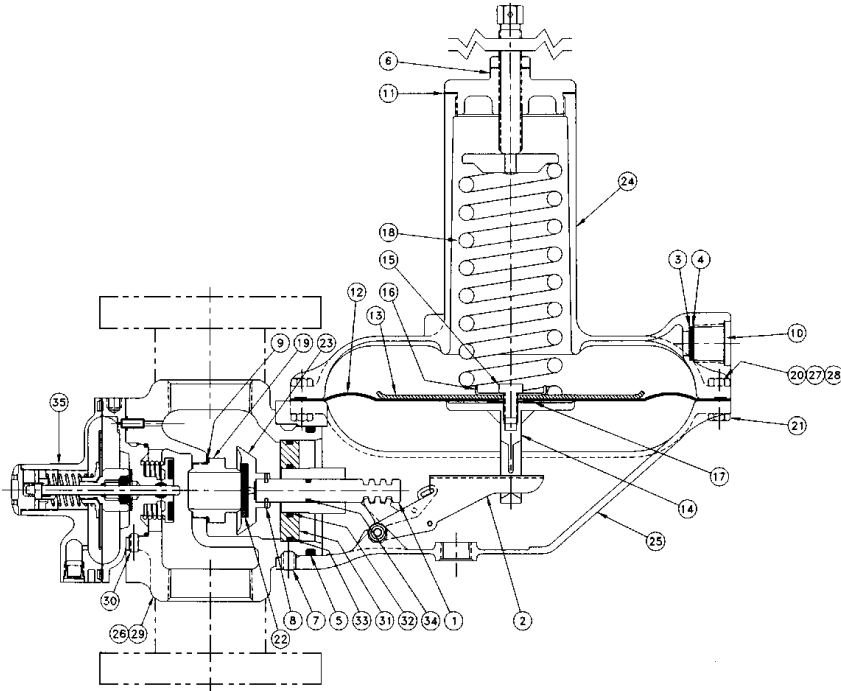
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 22 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | |
| 2 | 72626G002 | Lever | 1 | | | 22 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | |
| 3 | 78074P001 | Vent Flapper Retainer | 1 | | | 22 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | |
| 4 | 72163P001 | Vent Flapper | 1 | | | 22 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | |
| 5 | 42710P161 | "O" Ring | 1 | | | 22 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | |
| 6 | 72357G001 | Seal Plug Assembly - without Seal Wire Hole (Standard) | 1 | | | 22 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | |
| 6 | 72357G002 | Seal Plug Assembly - with Seal Wire Hole | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 23 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 24 | 72354P001 | Top, Regulator - without Seal Wire Hole | 1 | | |
| 10 | 70400P008 | Screen, Vent | 1 | | | 24 | 72354P002 | Top, Regulator - with Seal Wire Hole | 1 | | |
| 11 | 70019P087 | Gasket, Seal Plug | 1 | | | 25 | 72628P004 | Body, Regulator BSP - TR Thread | 1 | | |
| 12 | 70014P143 | Diaphragm | 1 | | | 25 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| 13 | 70012P052 | Plate, Diaphragm | 1 | | | 26 | 72619P066 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 14 | 72629P005 | Stem, Diaphragm | 1 | | | 26 | 72619P072 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 15 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 26 | 72619P073 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 16 | 70012P051 | Guide, Spring | 1 | | | 26 | 72619P074 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 17 | 13981P076 | Flat Washer | 1 | | | 26 | 72992P011 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 18 | 71411P020 | Spring, Pressure 0.05# - 1# (BROWN & WHITE) | 1 | | | 26 | 72992P012 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 18 | 71411P021 | Spring, Pressure 1# - 2.5# (PURPLE & WHITE) | 1 | | | 27 | 11970P031 | Plug, Body 1/2" NPT | 1 | | 1/1/94 |
| 18 | 71411P022 | Spring, Pressure 2.5# - 5# (ORANGE & BLACK) | 1 | | | 27 | 11970P032 | Plug, Body 1/2" BSP - TR | 1 | | 1/1/94 |
| 18 | 71411P023 | Spring, Pressure 5# - 10# (BLACK) | 1 | | | 28 | 11970P033 | Plug, Valve Head 1/4" NPT | 1 | | 1/1/94 |
| 18 | 71411P024 | Spring, Pressure 10# - 15# (YELLOW & GREEN) | 1 | | | 28 | 11970P034 | Plug, Valve Head 1/4" BSP - TR | 1 | | 1/1/94 |
| 19 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 29 | 78113P002 | Identification Tag | 1 | | |
| 19 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 30 | 72943G001 | Assembly, Drive Shaft | 1 | | |
| 19 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 31 | 73381P001 | Washer, Drive Shaft | 1 | | |
| 19 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 32 | 73784P001 | Instruction Tag | 1 | | |
| 19 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 33 | 78074P016 | "E" Ring, Drive Shaft | 1 | | |
| 19 | 72983P015 | Valve - 7/8" Orifice | 1 | | | | | | | | |
| 19 | 72983P016 | Valve - 1" Orifice | 1 | | | | | | | | |
| 19 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | | | | | | |
| 20 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | | | | | | |
| 20 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 21 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 21 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |

American 1½" and 2" Model 2083 Industrial Regulator



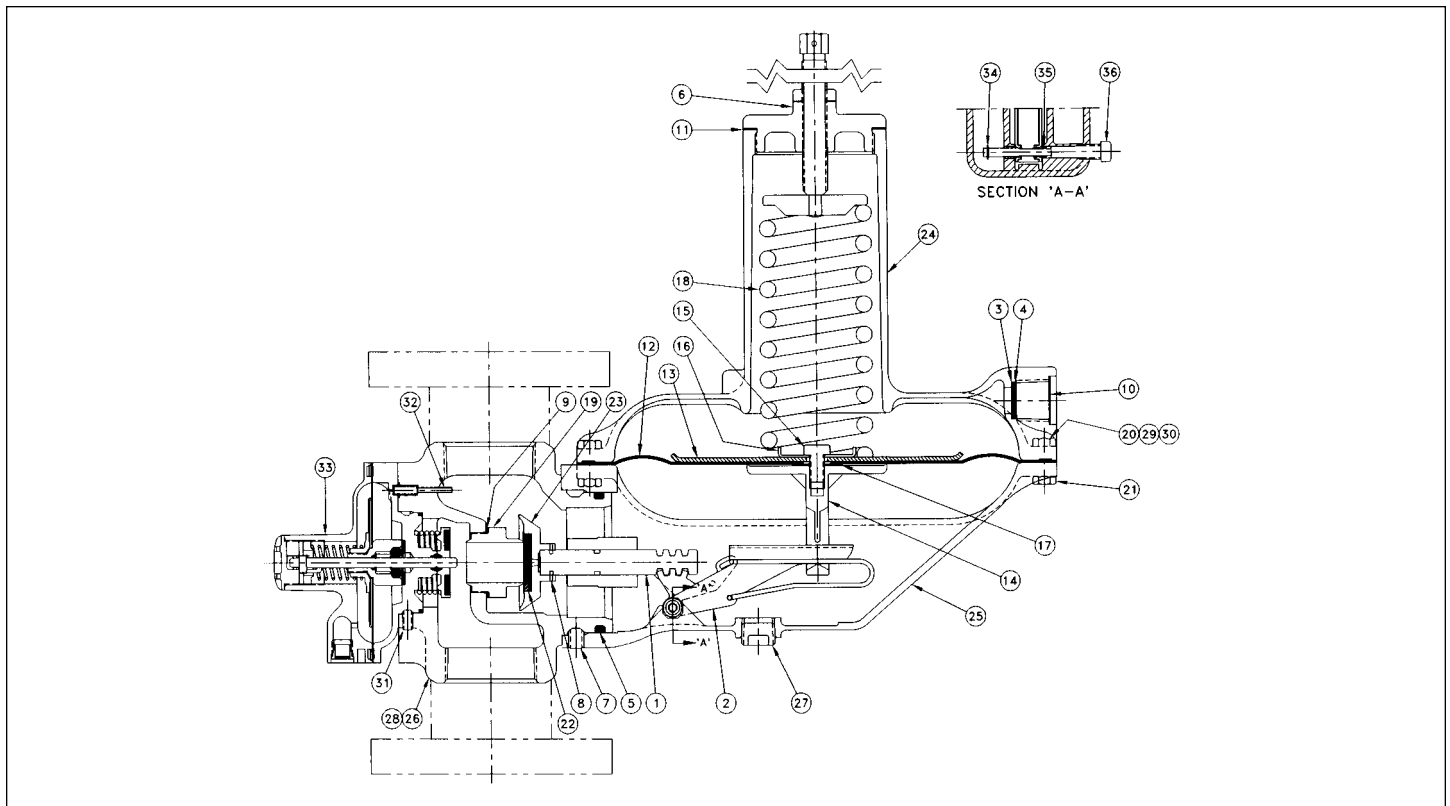
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 23 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | |
| 3 | 78074P001 | Vent Flapper Retainer | 1 | | | 24 | 72354P001 | Top, Regulator - without Seal Wire Hole | 1 | | |
| 4 | 72163P001 | Vent Flapper | 1 | | | 24 | 72354P002 | Top, Regulator - with Seal Wire Hole | 1 | | |
| 5 | 42710P161 | "O" Ring | 1 | | | 25 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 6 | 72357G001 | Seal Plug Assembly - without Seal Wire Hole (Standard) | 1 | | | 25 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 6 | 72357G002 | Seal Plug Assembly - with Seal Wire Hole | 1 | | | 26 | 72972P032 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 26 | 72972P033 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 26 | 72972P034 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 26 | 72972P035 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 10 | 70400P008 | Screen, Vent | 1 | | | 26 | 72992P015 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 11 | 70019P087 | Gasket, Seal Plug | 1 | | | 26 | 72992P016 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 12 | 70014P143 | Diaphragm | 1 | | | 27 | 11970P031 | Plug, Body 1/2" NPT | 1 | | 1/1/94 |
| 13 | 70012P052 | Plate, Diaphragm | 1 | | | 27 | 11970P032 | Plug, Body 1/2" BSP - TR | 1 | | 1/1/94 |
| 14 | 72629P005 | Stem, Diaphragm | 1 | | | 28 | 11970P033 | Plug, Valve Head 1/4" NPT | 1 | | 1/1/94 |
| 15 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 28 | 11970P034 | Plug, Valve Head 1/4" BSP - TR | 1 | | 1/1/94 |
| 16 | 70012P051 | Guide, Spring | 1 | | | 29 | 78113P002 | Identification Tag | 1 | | |
| 17 | 13981P076 | Flat Washer | 1 | | | 30 | 73787P001 | Instruction Tag | 1 | | |
| 18 | 71411P020 | Spring, Pressure 0.05# - 1# (BROWN & WHITE) | 1 | | | 31 | 78014P007 | Setscrew, OPSO to Valve Head | 4 | | |
| 18 | 71411P021 | Spring, Pressure 1# - 2.5# (PURPLE & WHITE) | 1 | | | 32 | 72778P004 | Tube, For All 1-1/2" Models | 1 | | |
| 18 | 71411P022 | Spring, Pressure 2.5# - 5# (ORANGE & BLACK) | 1 | | | 32 | 72778P003 | Tube, For All 2" Models | 1 | | |
| 18 | 71411P023 | Spring, Pressure 5# - 10# (BLACK) | 1 | | | 33 | 72986G029 | Assembly, OPSO 14# - 28" w/Buna N Seat Disc | 1 | | |
| 18 | 71411P024 | Spring, Pressure 10# - 15# (YELLOW & GREEN) | 1 | | | 33 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 33 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 33 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 33 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 33 | 72986G034 | Assembly, OPSO 8# - 14# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 33 | 72986G035 | Assembly, OPSO 14# - 20# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P015 | Valve - 7/8" Orifice | 1 | | | 33 | 72986G036 | Assembly, OPSO 14# - 28" w/Viton A Seat Disc | 1 | | |
| 19 | 72983P016 | Valve - 1" Orifice | 1 | | | 33 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 19 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | 33 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 20 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | 33 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 20 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | 33 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 21 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | 33 | 72986G041 | Assembly, OPSO 8# - 14# w/Viton A Seat Disc | 1 | | |
| 21 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | 33 | 72986G042 | Assembly, OPSO 14# - 20# w/Viton A Seat Disc | 1 | | |
| 22 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | | | See Page 22 For OPSO Parts | 1 | | |
| 22 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | | | | | 1 | | |
| 22 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | | | | | 1 | | |
| 22 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | | | | | 1 | | |
| 22 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | | | | | 1 | | |
| 22 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | | | | | 1 | | |
| 23 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | | | | | 1 | | |

American 1½" and 2" Model 2083M Industrial Regulator



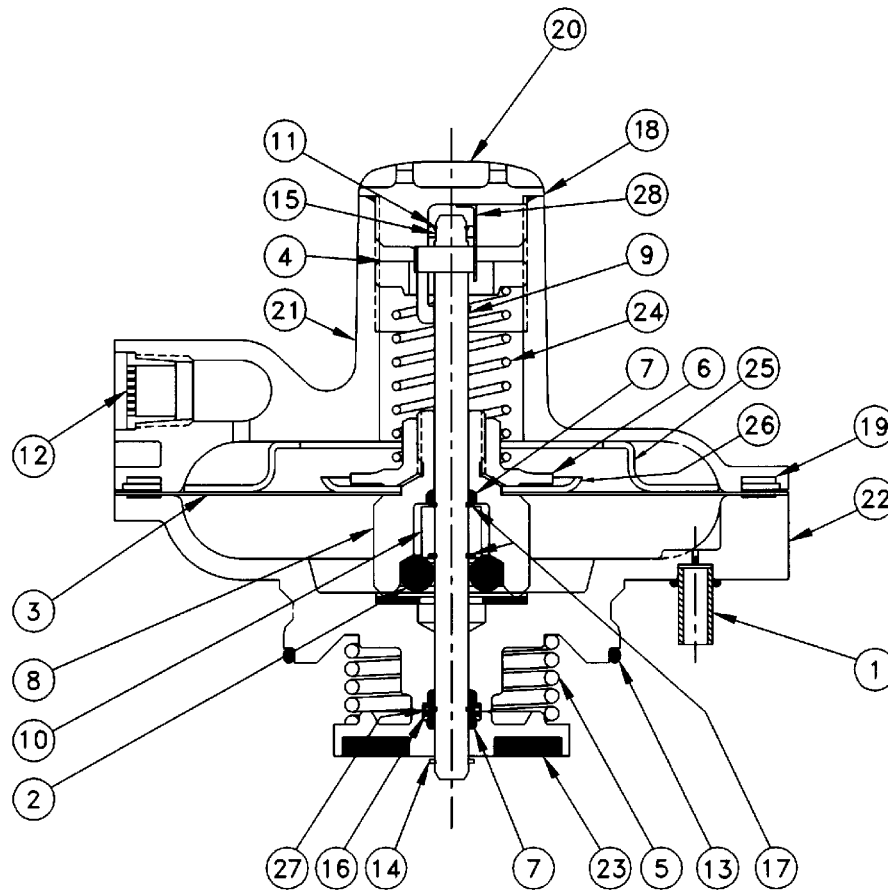
| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|---|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 25 | 72628P001 | Body, Regulator NPT Thread | 1 | | |
| 2 | 72626G001 | Lever | 1 | | | 26 | 11970P033 | Plug, Valve Head - 1/4" NPT | 1 | | 1/1/94 |
| 3 | 78074P001 | Vent Flapper Retainer | 1 | | | 26 | 11970P034 | Plug, Valve Head - 1/4" BSP - TR | 1 | | 1/1/94 |
| 4 | 72163P001 | Vent Flapper | 1 | | | 27 | 78113P002 | Identification Tag | 1 | | |
| 5 | 42710P161 | "O" Ring | 1 | | | 28 | 73787P001 | Instruction Tag | 1 | | |
| 6 | 72357G001 | Seal Plug Assembly - w/out Seal Wire Hole (Std.) | 1 | | | 29 | 72972P032 | Head, Valve - 1-1/2" x 1-1/2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 6 | 72357G002 | Seal Plug Assembly - with Seal Wire Hole | 1 | | | 29 | 72972P033 | Head, Valve - 1-1/2" x 1-1/2" - NPT Thread (Ductile Iron) | 1 | | |
| 7 | 78014P006 | Setscrew, Regulator to Valve Head | 3 | | | 29 | 72972P034 | Head, Valve - 2" x 2" - BSP - TR Thread (Ductile Iron) | 1 | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | 29 | 72972P035 | Head, Valve - 2" x 2" - NPT Thread (Ductile Iron) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 29 | 72992P015 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 10 | 70400P008 | Screen, Vent | 1 | | | 29 | 72992P016 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 11 | 70019P087 | Gasket, Seal Plug | 1 | | | 30 | 78014P007 | Setscrew, OPSO to Valve Head | 4 | | |
| 12 | 70014P143 | Diaphragm | 1 | | | 31 | 73010P001 | Plate, Isolation | 1 | 1/1/94 | |
| 13 | 70012P052 | Plate, Diaphragm | 1 | | | 31 | 73010P002 | Plate, Isolation | 1 | | 1/1/94 |
| 14 | 72629P005 | Stem, Diaphragm | 1 | | | 32 | 42710P106 | "O" Ring, Isolation Plate - I.D. | 1 | 1/1/94 | |
| 15 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 32 | 42710P078 | "O" Ring, Isolation Plate - I.D. | 1 | | 1/1/94 |
| 16 | 70012P051 | Guide, Spring | 1 | | | 33 | 42710P157 | "O" Ring, Isolation Plate - O.D. | 1 | | |
| 17 | 13981P076 | Flat Washer | 1 | | | 34 | 42710P149 | "O" Ring, Valve Plunger | 1 | | |
| 18 | 71411P020 | Spring, Pressure 0.05# - 1# (BROWN & WHITE) | 1 | | | 35 | 72986G085 | Assembly, OPSO 14# - 28" w/Buna N Seat Disc - NPT Thread | 1 | | |
| 18 | 71411P021 | Spring, Pressure 1# - 2.5# (PURPLE & WHITE) | 1 | | | 35 | 72986G086 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc - NPT Thread | 1 | | |
| 18 | 71411P022 | Spring, Pressure 2.5# - 5# (ORANGE & BLACK) | 1 | | | 35 | 72986G087 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc - NPT Thread | 1 | | |
| 18 | 71411P023 | Spring, Pressure 5# - 10# (BLACK) | 1 | | | 35 | 72986G088 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc - NPT Thread | 1 | | |
| 18 | 71411P024 | Spring, Pressure 10# - 15# (YELLOW & GREEN) | 1 | | | 35 | 72986G089 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 35 | 72986G090 | Assembly, OPSO 8# - 14# w/Buna N Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 35 | 72986G091 | Assembly, OPSO 14# - 20# w/Buna N Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 35 | 72986G092 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 35 | 72986G093 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 35 | 72986G094 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P015 | Valve - 7/8" Orifice | 1 | | | 35 | 72986G095 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P016 | Valve - 1" Orifice | 1 | | | 35 | 72986G096 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 19 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | 35 | 72986G097 | Assembly, OPSO 8# - 14# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 20 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | 35 | 72986G098 | Assembly, OPSO 14# - 20# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 20 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | | | | | | |
| 21 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | | | | | | |
| 21 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | | | | | | |
| 22 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | | | | | | |
| 22 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | | | | | | | |
| 22 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | | | | | | | |
| 22 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | | | | | | | |
| 22 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | | | | | | | |
| 22 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | | | | | | | |
| 23 | 72624P001 | Holder, Seat Disc - For Use w/2" Models - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | | 35 | 72986G099 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 23 | 72624P002 | Holder, Seat Disc - For Use w/2" Models - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | | 35 | 72986G097 | Assembly, OPSO 8# - 14# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models - All Orifice Sizes (SILVER) | 1 | | | 35 | 72986G098 | Assembly, OPSO 14# - 20# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 24 | 72354P001 | Top, Regulator - without Seal Wire Hole | 1 | | | 35 | 72986G098 | Assembly, OPSO 14# - 20# w/Viton A Seat Disc - NPT Thread | 1 | | |
| 24 | 72354P002 | Top, Regulator - with Seal Wire Hole | 1 | | | | | | | | |
| 25 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | | | | | | | |

American 1½" and 2" Model 2093 Industrial Regulator



| Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | | Item No. | Part No. | DESCRIPTION | Qty. | Used In Regs Built | |
|----------|-----------|--|------|--------------------|-------|----------|-----------|---|------|--------------------|--------|
| | | | | Before | After | | | | | Before | After |
| 1 | 72627P001 | Valve Plunger | 1 | | | 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models | | | |
| 2 | 72626G002 | Lever | 1 | | | | | - All Orifice Sizes (SILVER) | 1 | | |
| 3 | 78074P001 | Vent Flapper Retainer | 1 | | | 24 | 72354P001 | Top, Regulator - without Seal Wire Hole | 1 | | |
| 4 | 72163P001 | Vent Flapper | 1 | | | 24 | 72354P002 | Top, Regulator - with Seal Wire Hole | 1 | | |
| 5 | 42710P161 | "O" Ring | 1 | | | 25 | 72628P002 | Body, Regulator BSP - TR Thread | 1 | | |
| 6 | 72357G001 | Seal Plug Assembly | 1 | | | 25 | 72628P003 | Body, Regulator NPT Thread | 1 | | |
| | | - without Seal Wire Hole (Standard) | 1 | | | 26 | 72972P032 | Head, Valve - 1-1/2" x 1-1/2" | | | |
| 6 | 72357G002 | Seal Plug Assembly - with Seal Wire Hole | 1 | | | | | - BSP - TR Thread (Ductile Iron) | 1 | | |
| 7 | 78014P006 | Setscrew, Valve Head | 3 | | | 26 | 72972P033 | Head, Valve - 1-1/2" x 1-1/2" | | | |
| 8 | 72858P001 | Retainer, Seat Disc Holder | 1 | | | | | - NPT Thread (Ductile Iron) | 1 | | |
| 9 | 70019P094 | Gasket, Valve | 1 | | | 26 | 72972P034 | Head, Valve - 2" x 2" | | | |
| 10 | 70400P008 | Screen, Vent | 1 | | | | | - BSP - TR Thread (Ductile Iron) | 1 | | |
| 11 | 70019P087 | Gasket, Seal Plug | 1 | | | 26 | 72972P035 | Head, Valve - 2" x 2" | | | |
| 12 | 70014P143 | Diaphragm | 1 | | | | | - NPT Thread (Ductile Iron) | 1 | | |
| 13 | 70012P052 | Plate, Diaphragm | 1 | | | 26 | 72992P015 | Head, Valve - 2" Class 125 Flanged (Ductile Iron) | 1 | | |
| 14 | 72629P005 | Stem, Diaphragm | 1 | | | 26 | 72992P016 | Head, Valve - 2" Metric Flanged (Ductile Iron) | 1 | | |
| 15 | 78000P081 | Screw, Diaphragm Stem | 1 | | | 27 | 11970P031 | Plug, Body 1/2" NPT | 1 | | 1/1/94 |
| 16 | 70012P051 | Guide, Spring | 1 | | | 27 | 11970P032 | Plug, Body 1/2" BSP - TR | 1 | | 1/1/94 |
| 17 | 13981P076 | Flat Washer | 1 | | | 28 | 11970P033 | Plug, Valve Head 1/4" NPT | 1 | | 1/1/94 |
| 18 | 71411P020 | Spring, Pressure 0.05# - 1# (BROWN & WHITE) | 1 | | | 28 | 11970P034 | Plug, Valve Head 1/4" BSP - TR | 1 | | 1/1/94 |
| 18 | 71411P021 | Spring, Pressure 1# - 2.5# (PURPLE & WHITE) | 1 | | | 29 | 78113P002 | Identification Tag | 1 | | |
| 18 | 71411P022 | Spring, Pressure 2.5# - 5# (ORANGE & BLACK) | 1 | | | 30 | 73787P001 | Instruction Tag | 1 | | |
| 18 | 71411P023 | Spring, Pressure 5# - 10# (BLACK) | 1 | | | 31 | 78014P007 | Setscrew, OPSO to Valve Head | 4 | | |
| 18 | 71411P024 | Spring, Pressure 10# - 15# (YELLOW & GREEN) | 1 | | | 32 | 72778P004 | Tube, For All 1-1/2" Models | 1 | | |
| 19 | 72983P010 | Valve - 1/4" Orifice | 1 | | | 32 | 72778P003 | Tube, For All 2" Models | 1 | | |
| 19 | 72983P011 | Valve - 3/8" Orifice | 1 | | | 33 | 72986G029 | Assembly, OPSO 14" - 28" w/Buna N Seat Disc | 1 | | |
| 19 | 72983P012 | Valve - 1/2" Orifice | 1 | | | 33 | 72986G030 | Assembly, OPSO 1# - 2# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P013 | Valve - 5/8" Orifice | 1 | | | 33 | 72986G031 | Assembly, OPSO 2# - 3# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P014 | Valve - 3/4" Orifice | 1 | | | 33 | 72986G032 | Assembly, OPSO 3# - 5# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P015 | Valve - 7/8" Orifice | 1 | | | 33 | 72986G033 | Assembly, OPSO 5# - 8# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P016 | Valve - 1" Orifice | 1 | | | 33 | 72986G034 | Assembly, OPSO 8# - 14# w/Buna N Seat Disc | 1 | | |
| 19 | 72983P017 | Valve - 1-1/4" Orifice | 1 | | | 33 | 72986G035 | Assembly, OPSO 14# - 20# w/Buna N Seat Disc | 1 | | |
| 20 | 78001P032 | Bolt, Body 5/16" - 24 x 1-1/8" Hex. Hd. (Standard) | 12 | | | 33 | 72986G036 | Assembly, OPSO 14" - 28" w/Viton A Seat Disc | 1 | | |
| 20 | 78000P021 | Bolt, Body 5/16" - 18 x 1.00" | 12 | | | 33 | 72986G037 | Assembly, OPSO 1# - 2# w/Viton A Seat Disc | 1 | | |
| 21 | 78020P003 | Nut, Body Bolt 5/16" - 24 (Standard) | 12 | | | 33 | 72986G038 | Assembly, OPSO 2# - 3# w/Viton A Seat Disc | 1 | | |
| 21 | 78019P013 | Nut, Body Bolt 5/16" - 18 | 12 | | | 33 | 72986G039 | Assembly, OPSO 3# - 5# w/Viton A Seat Disc | 1 | | |
| 22 | 70041P071 | Disc, Valve Seat - Buna N - 60 Duro | 1 | | | 33 | 72986G040 | Assembly, OPSO 5# - 8# w/Viton A Seat Disc | 1 | | |
| 22 | 70041P072 | Disc, Valve Seat - Buna N - 70 Duro (Standard) | 1 | | | 33 | 72986G041 | Assembly, OPSO 8# - 14# w/Viton A Seat Disc | 1 | | |
| 22 | 70041P073 | Disc, Valve Seat - Buna N - 80 Duro | 1 | | | 33 | 72986G042 | Assembly, OPSO 14# - 20# w/Viton A Seat Disc | 1 | | |
| 22 | 70041P158 | Disc, Valve Seat - Viton A - 60 Duro | 1 | | | | | See Page 22 For OPSO Parts | | | |
| 22 | 70041P133 | Disc, Valve Seat - Viton A - 70 Duro | 1 | | | 34 | 72943G001 | "E" Ring, Drive Shaft | 1 | | |
| 22 | 70041P135 | Disc, Valve Seat - Viton A - 80 Duro | 1 | | | 35 | 73381P001 | Washer, Drive Shaft | 1 | | |
| 23 | 72624P001 | Holder, Seat Disc - For Use w/1-1/2" Models | 1 | | | 36 | 78074P016 | Assembly, Drive Shaft Assembly | 1 | | |
| | | - with 1/4" thru 7/8" Orifice Sizes (SILVER) | 1 | | | | | | | | |
| 23 | 72624P002 | Holder, Seat Disc - For Use w/2" Models | 1 | | | | | | | | |
| | | - with 7/8" thru 1-1/4" Orifice Sizes (BLUE) | 1 | | | | | | | | |

OPSO



| Item No. | Part No. | DESCRIPTION | Qty. | Item No. | Part No. | DESCRIPTION | Qty. |
|----------|-----------|-----------------------------|------|----------|------------|---|------|
| 1 | 72653P001 | Tube | 1 | 20 | 72645P001 | Seal Plug | 1 |
| 2 | 78067P013 | Ball | 6 | 21 | 70006P007 | Top, OPSO | 1 |
| 3 | 70014P155 | Diaphragm | 1 | 22 | 72721G001 | Body, OPSO Assembly | 1 |
| 4 | 71824P005 | Screw, Adjustment | 1 | 22 | 72721G002 | Body, Monitor OPSO Assembly - NPT | 1 |
| 5 | 71421P027 | Spring, Closing | 1 | 22 | 72721G005 | Body, Monitor OPSO Assembly - BSP - TR | 1 |
| 6 | 72642P001 | Nut, Diaphragm | 1 | 23 | 72720G001 | Unit, Seat Disc - Buna N - 60 Duro | 1 |
| 7 | 42710P146 | "O" Ring | 2 | 23 | 72720G002 | Unit, Seat Disc - Viton A - 60 Duro | 1 |
| 8 | 72649P001 | Cage, Ball | 1 | 24 | 70017P075 | Spring, Pressure 14" - 28" Shutoff (LT. BLUE) | 1 |
| 9 | 72644P002 | Shaft | 1 | 24 | 70017P076 | Spring, Pressure 1# - 2# Shutoff (RED-BROWN) | 1 |
| 10 | 72648P001 | Collar | 1 | 24 | 70017P077 | Spring, Pressure 2# - 3# Shutoff (PURPLE) | 1 |
| 11 | 78074P019 | Ring, Shaft Washer Retainer | 1 | 24 | 70017P078 | Spring, Pressure 3# - 5# Shutoff (ORANGE-YELLOW) | 1 |
| 12 | 70034P001 | Screen, Vent | 1 | 24 | 70017P079 | Spring, Pressure 5# - 8# Shutoff (ORANGE-GREEN) | 1 |
| 13 | 42710P154 | "O" Ring | 1 | 24 | 70017P078* | Spring, Pressure 8# - 14# Shutoff (ORANGE-YELLOW) | 1 |
| 14 | 42978P008 | "E" Ring, Drive Shaft | 1 | 24 | 70017P079* | Spring, Pressure 14# - 20# Shutoff (ORANGE-GREEN) | 1 |
| 15 | 73071P001 | Washer, Shaft | 1 | 25 | 72646P001 | Ring, Reducing | 1 |
| 16 | 78074P014 | Ring, Retainer | 3 | 26 | 70012P042 | Plate, Diaphragm | 1 |
| 17 | 78074P013 | Washer, "O" Ring Retainer | 1 | 26 | 70012P045 | Plate, Diaphragm | 1 |
| 18 | 70019P108 | Gasket, Seal Plug | 1 | 27 | 72650P001 | Washer, "O" Ring Retainer | 1 |
| 19 | 78008P006 | Screw, Body | 8 | 28 | 73098P001 | Clip, Spring | 1 |

*To achieve these ranges, Items 25 (72646P001 and 26 (70012P045) are needed.



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