Reduce Pressure Assembly

RP-501/500 Series

General Product Overview

Design & Service

- Innovative Modular Design
- Steps for Service & Repair
RP-501/500 Series

Reduce Pressure Assembly

Tools for Disassembly
for Safe & Easy Service...
RP-501/500 Series

Reduce Pressure Assembly

Innovative Modular Design

Small Sizes: ½” - 3/4” - 1”
All the above sizes contain the same internal components. This means less parts are needed to service these units.

Large Sizes: 11/4” - 11/2” - 2”
All the above sizes contain the same internal components. This means less parts are needed to service these units.

2 Bodies – 6 sizes
RP-501/500 Series

Illustrating Modular Design

Removal of union Adapter Bracket on both sides.

1. Using Composite Materials allows the RP-501 to meet and exceed all Backflow requirements. This is why it’s been called the Next Generation replacing old metal Backflows...
Ease of Servicing the RP-501
Cover Removal to access the Internal Components

The RP-501 Cover is spring loaded and sealed by 8 stainless steel screws. The Relief Diaphragm is spring loaded and secured in the cover. **Hold Cover firmly while removing the Screws...
After releasing the screws, remove the cover with secured relief diaphragm.
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Ease of Removing & Servicing Internal Components

Remove the Retainer by pulling straight up to get access to the #1 and #2 Check Modules.
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Check Component Removal

After removing the Retainer access the 1st and 2nd Check Modules
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Removing the (2) Check Modules out with a flat head screw driver by pushing out the #1 Inlet Check Module and #2 Outlet Check Module.
After removing the (2) Check Modules, we see (4) Components which represent all the internal parts of the RP-501...

**Internal Components**
- Cover & Diaphragm
- Spring
- 1st & 2nd Checks
- Retainer
RP-501 All Composite Series - Reduced Pressure Assembly

RP-501 Series
Parts Exploded View
Sizes: 1/2” - 3/4” - 1”

Relief Valve Assembly w/Spring
$62.00

#1 Inlet Check Module
$30.00

Retainer
$9.00

#2 Outlet Check Module
$30.00

United Backflow Solutions, Inc.
Innovation in Backflow Technology...