



RP-501/500 Series



Reduce Pressure Assembly

General Product Overview

Design & Service

- Innovative Modular Design
- Steps for Service & Repair



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RP-501/500 Series



Reduce Pressure Assembly

Tools for Disassembly
for Safe & Easy Service...



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RP-501/500 Series

Reduce Pressure Assembly

Innovative Modular Design



2 Bodies – 6 sizes

Small Sizes: 1/2" - 3/4" - 1"

All the above sizes contain the same internal components. This means less parts are needed to service these units.

Large Sizes: 1 1/4" - 1 1/2" - 2"

All the above sizes contain the same internal components. This means less parts are needed to service these units.



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Illustrating Modular Design

Removal of union Adapter Bracket on both sides..



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...

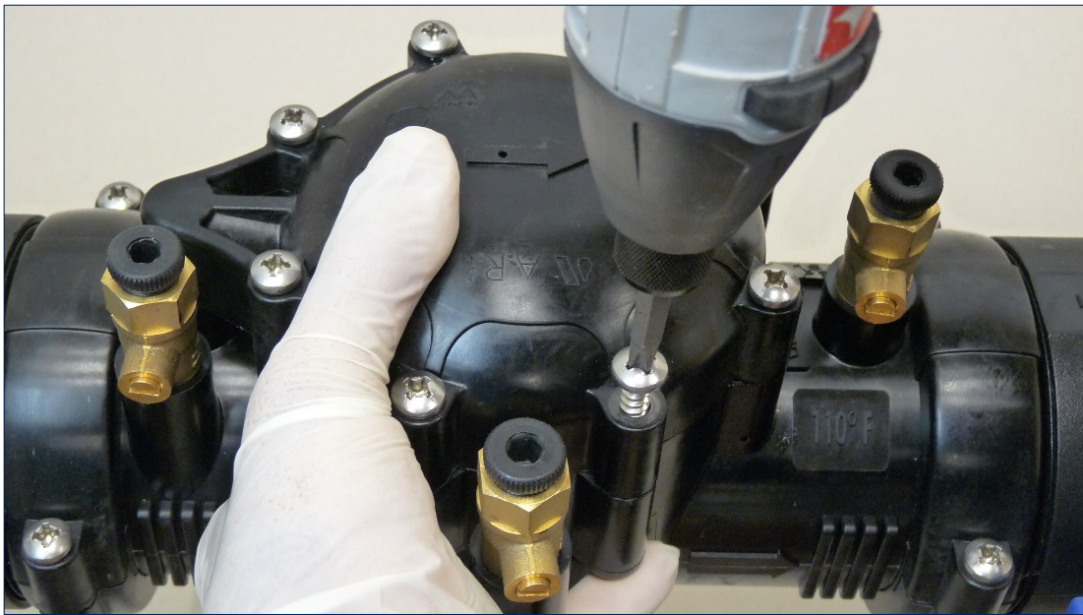
RP-501/500 Series



Reduce Pressure Assembly

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..**



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RP-501/500

Reduce Pressure Assembly

Cover & Relief Diaphragm Removal



After releasing the screws, remove the cover with secured relief diaphragm.



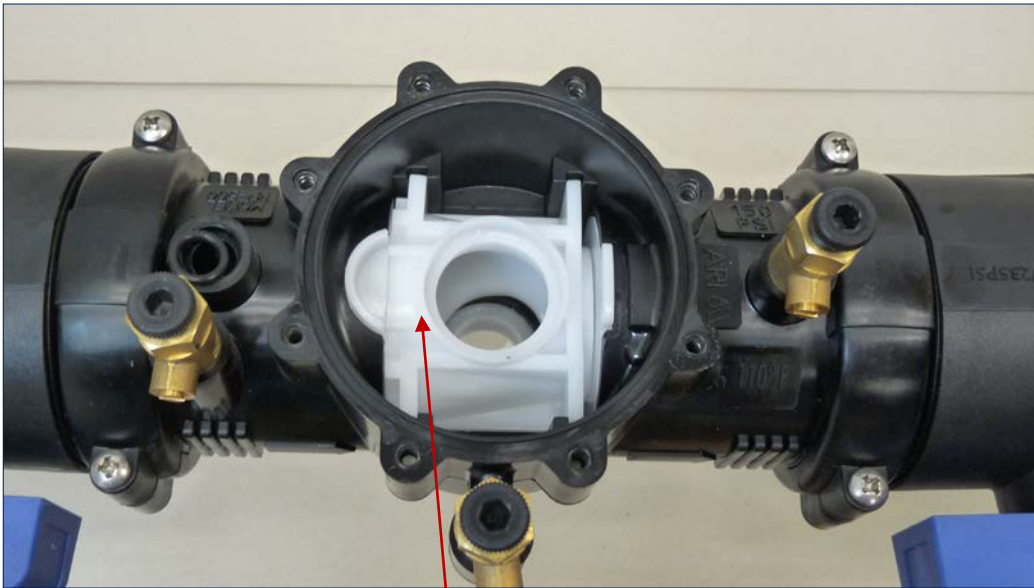
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Reduce Pressure Assembly

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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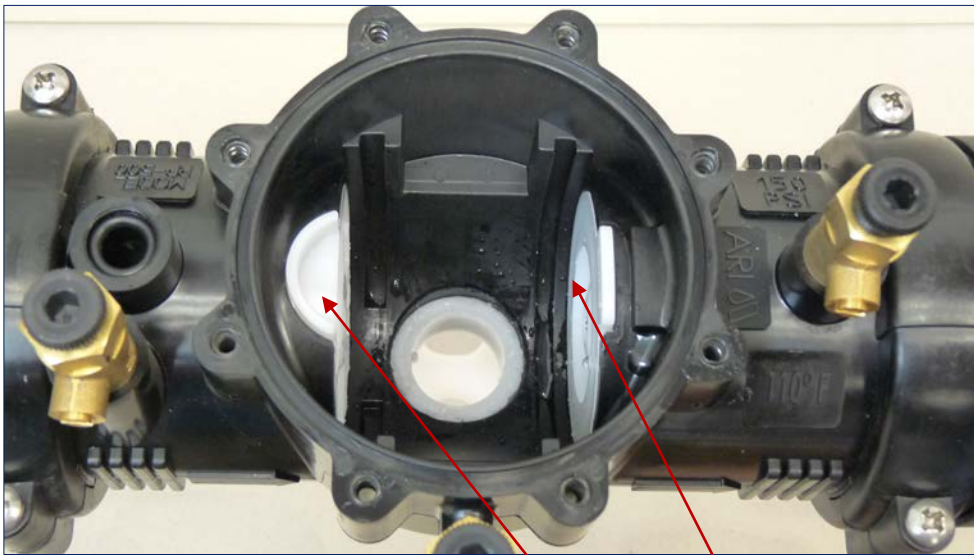
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Reduce Pressure Assembly

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





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Reduce Pressure Assembly

After removing the (2) Check Modules
We see (4) Components which represent
all the internal parts of the RP-501...



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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



Retainer

\$9.00

#1 Inlet Check Module

\$30.00



#2 Outlet Check Module

\$30.00



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