Engineered Solutions for Severe Service Applications

REMINGTON VALVE
Severe Service Ball Valves

R-SERIES
IN-LINE REPAIRABILITY – CHANGING THE GAME!

CRITICAL SERVICE
FIELD PROVEN
ENGINEERED
SUPPORT
SERVICE

Engineered Solutions for Severe Service Applications
Why Choose REMINGTON VALVE:
- Optimized ball valve design and calculations
- 3D Parametric modeling
- Proprietary coating technology
- Automated lapping process laps both sides of ball
- Vacuum testing to validate Class VI shut-off
- All valves built from forgings – no castings

R-SERIES Applications:
- High temperature
- High pressure
- Hot reheat spray
- Main turbine drain
- Soot blower header
- Super-heater spray
- Main steam supply
- Boiler feed pump
- Boiler drains
- Feed water drains
- Above and below seat drains
- Attemperator spray block

R-SERIES (In-line repairability)

**SIZE**
- ½” – 24” (3 piece design)

**PRESSURE CLASS**
- 150# - 4500#

**CENTER SECTION MATERIALS**
- A105, F11, F22, F316, F91, F92
  - *All ASME B16.34 materials available*

**END CONNECTIONS**
- SW Standard (BW, HUB, FNPT, RFF, RTJ)
- A105, F11, F22, F316, F91, F92
  - *All ASME B16.34 materials available*

**SEALING OPTIONS**
- Uni-directional (Standard)
- Bi-directional

**R-SERIES ADVANTAGES**
- Serviceable in-line
- Saves money & time
- Ease of maintenance
- Repairable without cutting the installation welds
- Eliminates further Post Weld Heat Treat (PWHT)

**Features and Benefits**
- **Ball & Seats:** Both made from the same material to match thermal expansions
- **Lapping:** Automated lapping process laps both sides of the ball to Class VI shut-off
- **Coating:** Proprietary HVOF and Spray & Fused coatings, with cutting edge technology
- **Stem:** Blowout proof stem with surface hardening to prevent galling
- **Articulating Gland Flange:** Spherical engagement allows for equal load distribution on packing
- **Spring:** Allows for thermal expansion and provides a constant mechanical seal
- **Grafoil Packing:** Premium die-formed with Anti-extrusion rings – Live loaded
- **Body Seals:** Three Proprietary (TF) seals allow the body to be removed without cutting the installation welds
- **Vacuum Testing:** To ensure Class VI shut-off prior to installation
- **ASME B16.34:** All valves built to ASME B16.34 requirements

**3 Year Warranty**

*Manufactured in Houston, Texas*

**ISO 5211 Mounting Flange**

*Custom end connect lengths eliminates the need for spool pieces*

*Trim set is vacuum tested to ensure a Class VI shut-off prior to rebuilding the valve*

*Patent No. US10400901*
**REPLACEABLE TRIM SET**

**R-SERIES** (In-line repairability)  
Please refer to the IOM manual before installation.

*Patent No. US10400901*

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**STEP 1**  
- No more cutting installation welds.

**STEP 2**  
- Remove bolting and spread 1/8" each side.

**STEP 3**  
- Lift center section out of end connections.

**STEP 4**  
- Remove trim set and gaskets from body.

**STEP 5**  
- Install trim set with gaskets in body.

**STEP 6**  
- Install center section and secure bolting.

Trim set vacuum tested to class VI shut-off

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Please refer to the IOM manual before installation.

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Custom designs for the toughest applications

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