Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2020-9317a) © 2015 Norgren Co. Ltd.

> Wide operating temperature range: -25°C to +60°C
> Wide operating pressure: 1 bar to 10 bar
> Choice of Thread Types: G, Rc, NPT & interface
> Lightweight
> Compact design

> Anti-Corrosion to ISO 9227
> Shock and vibration to IEC 61373-1999, Category 2
> High accuracy
> Complies to EN14817 (Railway applications, suspension components, Air-spring control components)

Technical features

- **Medium:** Compressed air, filtered, lubricated, non-lubricated
- **Working pressure:** 1…10 bar
- **Port size:** 1/4", Flange
- **Thread form:** NPT, ISO G, Rc

- **Accuracy:** ±0.15 bar at typical conditions
- **Anti-Corrosion:** Salt & spray test 1000 hours according to ISO 9227
- **Protection class:** IP54

- **Ambient/Media temperature:** -25 ... +60°C
  Air supply must be dry enough to avoid ice formation at temperatures below +2°C

- **Materials:**
  - Housing and cover: Aluminium alloy (Black anodised)
  - Muffler: Stainless steel
  - Inner parts: Stainless steel, brass, steel
  - Seals: Nitrile

Technical data - standard options

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Ports size</th>
<th>Thread form</th>
<th>Supply flow rate @ 3 bar, +20°C (slpm)</th>
<th>Exhaust flow rate @ 3 bar, +20°C (slpm)</th>
<th>Weight (kg)</th>
<th>Model</th>
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<tbody>
<tr>
<td>1/4&quot;</td>
<td>NPT</td>
<td>&gt;100</td>
<td>&gt;50</td>
<td>≤1.4</td>
<td>VRSS3000-2A</td>
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<tr>
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<td>G</td>
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<tr>
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<td>Rc</td>
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<tr>
<td>Flange</td>
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Option selector

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<th>Port size</th>
<th>Substitute</th>
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<tbody>
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<tr>
<td>1/4&quot;</td>
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</tbody>
</table>

Accessories

- **Silencer**
  - A1505-177 (Stainless steel 316)

*Please consult our sales representative for details.*
VRSS3000
Average Load Valve

Dimensions

1 VRSS3000-00

Ports:
1. AS1: Pilot pressure "1"
2. AS2: Pilot pressure "2"
3. OUT: Average pressure outlets
4. MR: Air supply

Dimensions in mm
Projection/First angle

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Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under

»Technical features/data«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.