> Wide operating temperature range: -40°C to +65°C
> Wide operating pressure: 0.5 bar to 10 bar
> Choice of thread types: G, Rc, NPT
> Lightweight
> Compact design
> Anti-Corrosion to ISO 9227

> Shock and vibration to IEC 61373-1999, Category 2
> Additional ports for pressure sensor and pneumatic test points
> Complies to EN14817 (Railway applications, suspension components, Air-spring control components)

Technical features

Medium:
Compressed air, filtered, lubricated, non-lubricated
Operating pressure:
0.5 bar to 10 bar
Port size:
PG & PD: 1/2"
TG, TD & PZ: 1/4"
Thread form:
NPT, ISO G, Rc

Pre-set cracking pressure:
1.5 bar
Flow rate:
>300 l/min @ pre-setting pressure
Mounting:
3 x M8, 2 x M10 holes
Anti-Corrosion:
Salt & spray test 1000 hours according to ISO 9227
Protection class:
IP65

Ambient/Media temperature:
-40 ... +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials:
Valve housing and cap:
Aluminium alloy (Black anodised)
Inner parts: Stainless steel, Aluminium alloy
Seals: Nitrile & VMQ
Plug: Stainless steel 316, Brass

Technical data - standard options

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Ports size (P.G, P.D)</th>
<th>Thread form (P.G, P.D)</th>
<th>Flow rate @ 4 bar, +20°C (slpm)</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>NPT</td>
<td></td>
<td>300</td>
<td>1.3</td>
<td>VRSS2000-4A0</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>ISO G</td>
<td></td>
<td>300</td>
<td>1.3</td>
<td>VRSS2000-4G0</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>ISO Rc</td>
<td></td>
<td>300</td>
<td>1.3</td>
<td>VRSS2000-4B0</td>
</tr>
</tbody>
</table>

Option selector

Port size | Substitute
---|---
1/2" | 4

Test ports Substitute
0 With all side ports plugged
* Test points on request

Thread form Substitute
NPT A
ISO G G
ISO Rc B

*Please consult our sales representative for details.
Accessories

<table>
<thead>
<tr>
<th>Plug (G thread)</th>
<th>Plug (NPT thread)</th>
<th>Plug (R thread)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4BN-04WD-SS</td>
<td>A680862</td>
<td>150050028</td>
</tr>
<tr>
<td>(Stainless steel 304)</td>
<td>(Stainless steel 316)</td>
<td>(Nickel plated brass)</td>
</tr>
</tbody>
</table>

Dimensions

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use this product 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 Precision Engineering, Norgren Inc.

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.