

- > **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:**

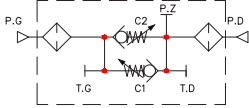
-40 ... +65°C

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

Symbol	Ports size (P.G, P.D)	Thread form (P.G, P.D)	Flow rate @ 4 bar, +20°C (slpm)	Weight (kg)	Model
	1/2"	NPT	>300	1.3	VRSS2000-4A0
	1/2"	ISO G	>300	1.3	VRSS2000-4G0
	1/2"	ISO Rc	>300	1.3	VRSS2000-4B0

### Option selector

VRSS2000-★★★

Port size	Substitute	Test ports	Substitute	Thread form	Substitute
1/2"	4	With all side ports plugged	0	NPT	A
		Test points on request	*	ISO G	G
				ISO Rc	B

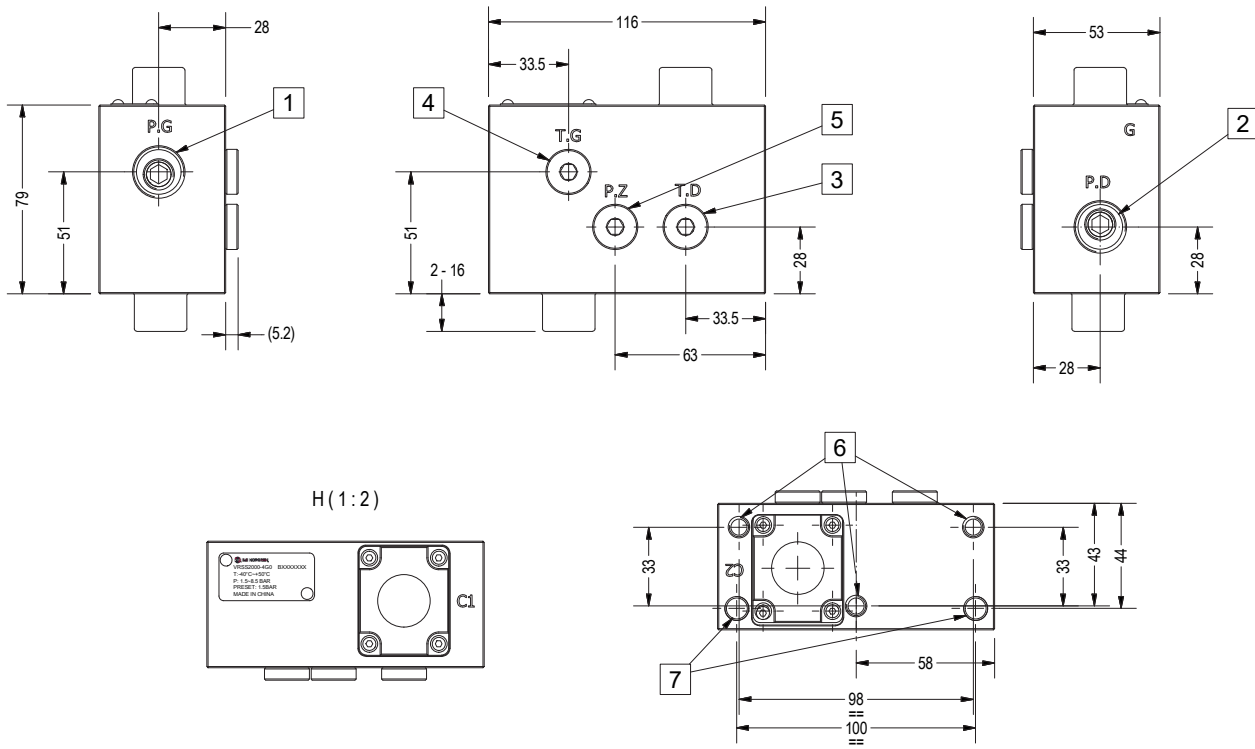
\*Please consult our sales representative for details.

**Accessories**

Plug (G thread)	Plug (NPT thread)	Plug (R thread)
		
4BN-04WD-SS (Stainless steel 304)	A080862 (Stainless steel 316)	150050028 (Nickel plated brass)

**Dimensions**

Dimensions in mm  
 Projection/First angle



- 1 Inlet port P.G.
- 2 Inlet port P.D.
- 3 Outlet port T.D. (port for additional pneumatic test point)
- 4 Outlet port T.G. (port for additional pneumatic test point)
- 5 Outlet port P.Z. (port for additional pressure sensor)
- 7 Mounting holes, 3X M8X 1.25
- 8 Mounting holes, 2X M10X 1.25

**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 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.