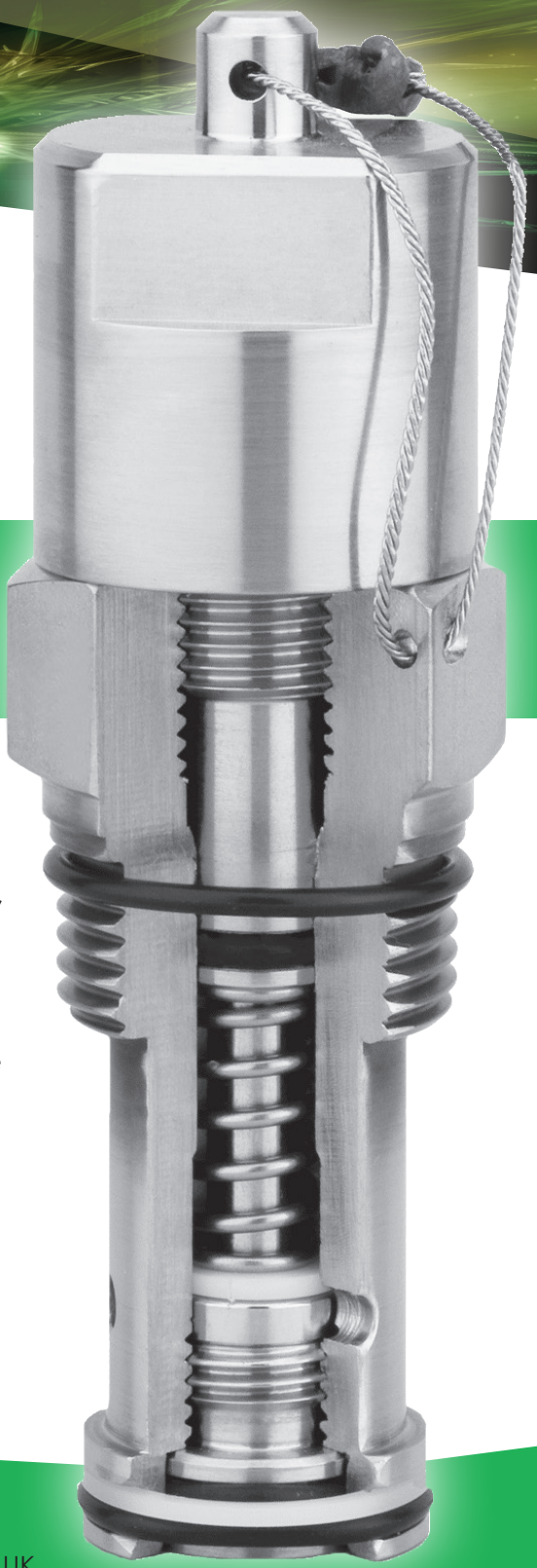
BiS VALVES

Relief Valves



BiS offer a comprehensive range of stainless steel safety relief and relief valves for use on a wide range of media, from low pressure valves that vent to atmosphere, to high pressure (1379 bar, 20,000 psi) piped return valves. Typically, low pressure valves offer a pop-open characteristic, while higher pressure valves offer proportional or metering style operation.

BiS relief valves are CE marked to denote approval as Category IV safety accessories under the 2014/68/EU Pressure Equipment Directive.

Many options are available, including cartridge and manifold mounted versions, and many valves are available in exotic materials, including monel, inconel, hastelloy and titanium.

BVAA FPAL empowered by Achilles EIC

Contacts

BiS VALVES LTD
Unit 17 - 23, Kingfisher Park, West Moors, Wimborne, Dorset, BH21 6US, UK

Tel No: +44 (0)1202 896322
Fax No: +44 (0)1202 896718
Email: salesadmin@bisvalves.co.uk
Web: www.bisvalves.co.uk

Global Distributors

See **www.bisvalves.co.uk** for contact details

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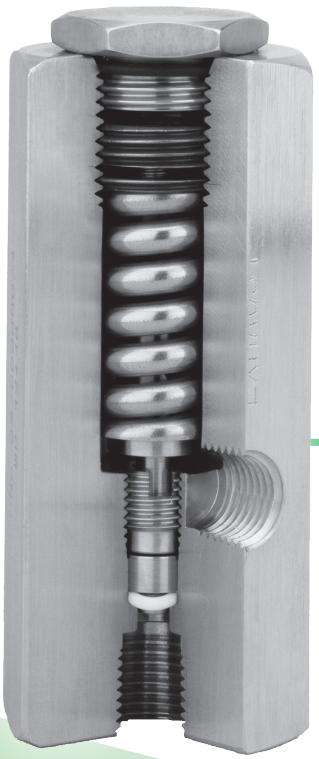
	Connection	Max Pressure	Media	Valve Type
Safety Relief Valves	1/4"	40 bar (580 psi)	Liquids & Gases	**S25 & TS25**
	3/8"	40 bar (580 psi)	Liquids & Gases	**S37 & TS37**
	1/2"	40 bar (580 psi)	Liquids & Gases	**S50 & TS50**
	3/4"	40 bar (580 psi)	Liquids & Gases	**S75 & TS75**
	1"	28 bar (406 psi)	Liquids & Gases	**S100 & TS100**
Relief Valves	1/4"	1,379 bar (20,000 psi)	Liquids	**RL25**
	1/4"	414 bar (6,000 psi)	Liquids & Gases	**RL25-G**
	3/8"	1,379 bar (20,000 psi)	Liquids	**RL37**
	3/8"	414 bar (6,000 psi)	Liquids & Gases	**RL37-G**
	1/2"	1,034 bar (15,000 psi)	Liquids	**RL50**
	1/2"	414 bar (6,000 psi)	Liquids & Gases	**RL50-G**
	3/4"	1,034 bar (15,000 psi)	Liquids	**RL75**
	3/4"	414 bar (6,000 psi)	Liquids & Gases	**RL75-G**
	1"	207 bar (3,000 psi)	Liquids	**RL100**
	1"	207 bar (3,000 psi)	Liquids & Gases	**RL100-G**

Relief Valves

Safety Relief Valves

- ☑ Set pressures from 0.7 bar to 40 bar
- ☑ ¼" to 1" ports, typically NPT or BSP
- ☑ Vent to atmosphere and threaded exhaust designs
- ☑ Pop open characteristic for maximum discharge capacity
- ☑ Elastomeric sealing technology for virtually zero leakage at 90% of set pressure
- ☑ Suitable for liquid and gas applications
- ☑ Various seal options available



Relief Valves

- ☑ Set pressures from 27 bar to 1379 bar
- ☑ ¼" to 1" ports available
- ☑ NPT, BSP and medium pressure port options
- ☑ Subsea variants available
- ☑ Liquid and gas duty variants
- ☑ Various seal options
- ☑ Cartridge versions available