

## 1002 & 61B2 Relief Valve

- Port size: R1/4
- Simple, compact design and construction
- Protect compressed air systems from over-pressurisation
- Quick & easy installation
- Very wide temperature range
- Optional manual pull ring



### Technical features

**Medium:**  
Compressed air only

**Operation:**  
Poppet valve, directly actuated with spring return

**Recommended operating pressure**  
**1002:**  
0,14 ... 1,6 bar (2 ... 23 psi)  
1,6 ... 2,5 bar (23 ... 36 psi)  
2 ... 6,3 bar (29 ... 91 psi)  
6,3 ... 14 bar (91 ... 203 psi)

**61B2**  
5 - 10 bar (73 ... 145 psi)  
0,63 - 1,6 bar (9 ... 23 psi)  
1,6 - 4 bar (23 ... 58 psi)  
2,5 - 5 bar (36 ... 73 psi)  
10 - 16 bar (145 ... 232 psi)

**Note:**  
Use of this unit outside of its recommended operating pressure range could lead to product malfunction and should not be attempted.

**Accuracy limitation:**  
1002:  $\pm 25\%$  of relief setting  
61B2:  $\pm 20\%$  of relief setting

**Port size:**  
R 1/4

**Flow:**  
See table

**Mounting position:**  
Vertical

**Ambient/Media temperature:**  
61B2:  
-20 ... +80°C (-4 ... +112°F)  
1002:  
-40°C ... +230°C (-40 ... +446°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

**Materials:**  
Body: Brass  
Adjusting Cap: Brass  
Ball seal:  
1002: Stainless steel  
61B2: Polyurethane

### Technical data - standard, without pull ring

Symbol	Port size	Recommended pressure (bar)	Weight (kg)	Model
	R1/4	6,3 ... 14	0,11	1002/BR000
	R1/4	5 ... 10	0,051	61B2

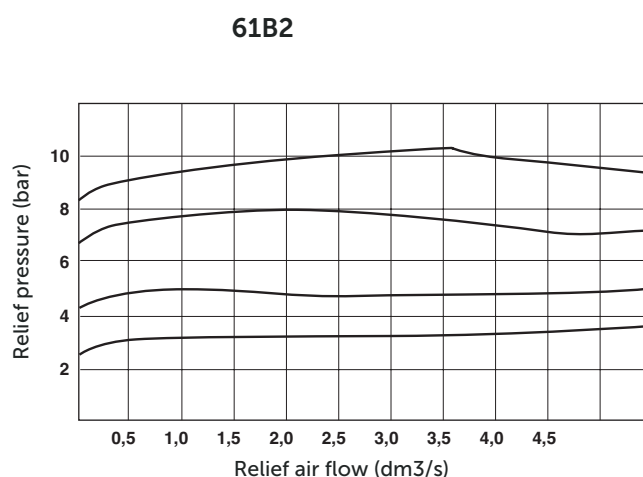
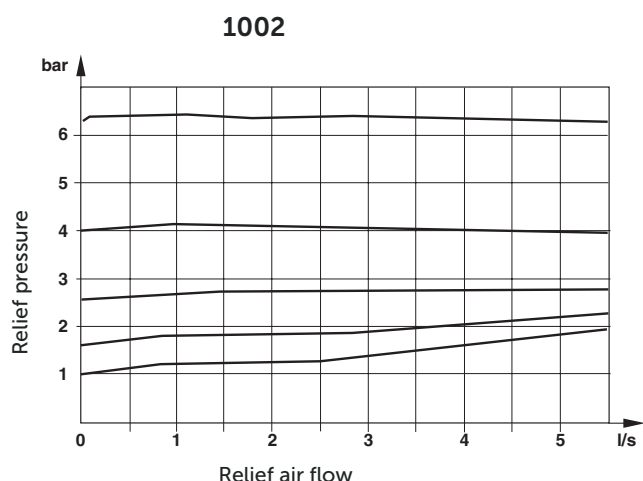
## Option selector

1002/B★00★

Recommended operating pressure	Substitute
2,0 ... 6,3 bar	G
0,14 ... 1,6 bar	M
1,6 ... 2,5 bar	P
6,3 ... 14 bar	R

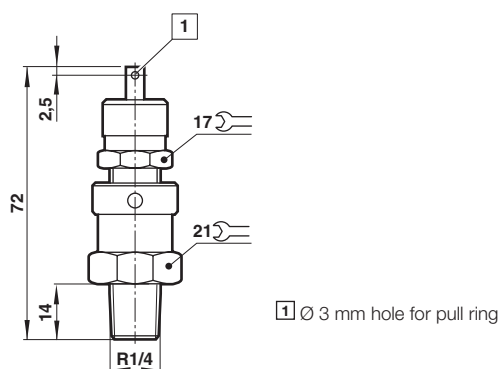
Pull ring	Substitute
Without	0
With	8

## Relief flow characteristics



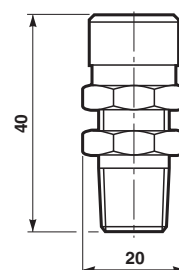
## Dimensions

1002



61B2

Dimensions in mm  
Projection/First angle



## Warning

These products are intended for use in industrial compressed air 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 Norgren Ltd.

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.