

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: ± 25% of relief setting

61B2: ±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

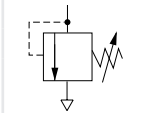
Adjusting Cap: Brass

Ball seal:

1002: Stainless steel

61B2: Polyurethane

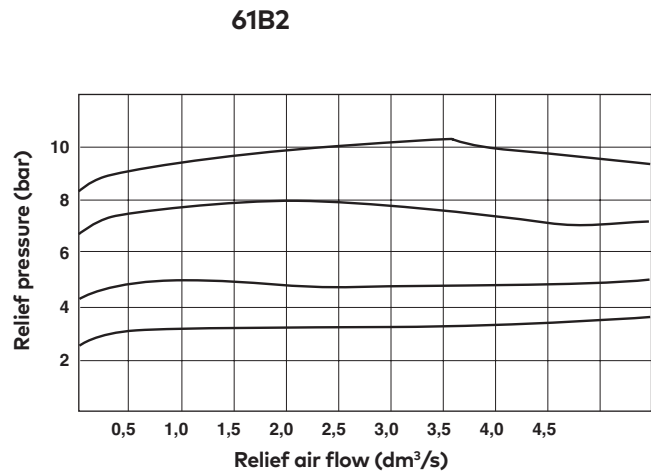
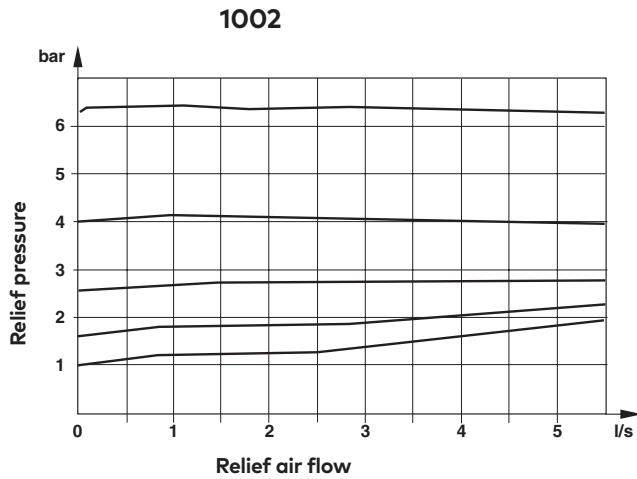
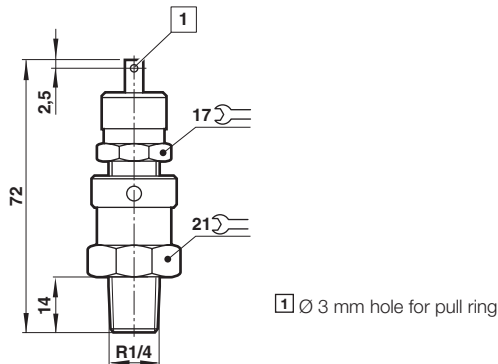
Technical data - standard, without pull ring

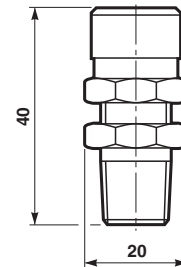
Symbol	Port size	Recommended pressure (bar)	Weight (kg)	Model
	R1/4	6,3 ... 14	0,11	1002/BR000
	R1/4	5 ... 10	0,051	61B2

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.