

Allow free flow in one direction only

Simple reliable design

Low weight

Low cracking pressure

High operating pressure



Technical data

Medium:

Compressed air, filtered, lubricated or non-lubricated, vacuum

Operation:

Non-return valve

Operating pressure:

-0,9 to 16 bar

Cracking pressure:

0,03 bar

O/D tube:

Ø 4, 6, 8, 10, 12 mm

Operating temperature:

80°C max.

Flow (at 6 bar operating pressure)

Ø 4 mm Kv value 0,11 (159,6 l/min)

Ø 6 mm Kv value 0,44 (659,4 l/min)

Ø 8 mm Kv value 0,89 (1344 l/min)

Ø 10 mm Kv value 1,26 (1890 l/min)

Ø 12 mm Kv value 1,87 (2814 l/min)

Tubing types:

Nylon 11 or 12, polyurethane and other plasticised or

unplasticised tubing which conforms to the

tolerances specified in BS 5409, Part 1, 1976, light and normal duty, DIN 73378, DIN 74234, NFE 49-100

Materials:

Body: aluminium

Grab ring: nickel plated brass

'O'-ring: nitrile (silicone free)

Ordering examples

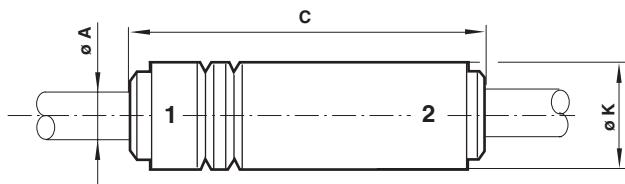
Non-return valve, Ø 4 mm,
quote: T50P0004

Non-return valve, Ø 8 mm,
quote: T50P0008

Accessories

Nylon tube see data sheet N/UK 9.3.001

Dimensions



| Model | Ø A | C | Ø K | Weight (kg) |
|----------|-----|------|-----|-------------|
| T50P0004 | 4 | 49 | 11 | 0,010 |
| T50P0006 | 6 | 56,5 | 13 | 0,016 |
| T50P0008 | 8 | 61 | 15 | 0,022 |
| T50P0010 | 10 | 77,5 | 20 | 0,048 |
| T50P0012 | 12 | 88,5 | 22 | 0,064 |

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 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.

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.