

## T45

### Porous plastic silencers

- Stem: Ø 4 ...12 mm  
Ø 5/32 ...3/8"
- Reduce the noise levels of pneumatic equipment
- Compact, efficient and lightweight
- Insert directly into Push-in fitting exhaust port
- Prevent the ingress of dirt
- Low cost



#### Technical features

**Medium:**  
Compressed air, filtered 50 µm, lubricated and non lubricated/ vacuum, inert gases

**Operation:**  
Exhaust silencer/vacuum filter

**Operating pressure:**  
-1 ... +10 bar (-14 ... 145 psi)  
(vacuum service)


**Stem:**  
Ø 4, 6, 8, 10, 12 mm  
Ø 5/32, 1/4, 5/16, 3/8 inch

**Mounting:**  
Directly in Push-in fittings

**Ambient/Media temperature:**  
-20 ... +80°C (-4 ... 176°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

**Materials:**  
Body: UHMW PE porous plastic (light grey)  
Stem: PE (black)

#### Technical data, standard models

| Symbol  | Stem size (mm) | Mean flow factor |      | Kv *2 | Sound pressure *3) |         | Model    |
|---|----------------|------------------|------|-------|--------------------|---------|----------|
|   |                | C *1             | Cv   |       | (0,7 bar)          | (6 bar) |          |
|  | 4              | 0,82             | 0,2  | 0,17  | 67                 | 84      | T45P0004 |
|   | 6              | 1,6              | 0,39 | 0,34  | 72                 | 83      | T45P0006 |
|   | 8              | 3                | 0,74 | 0,64  | 68                 | 85      | T45P0008 |
|   | 10             | 6,5              | 1,55 | 1,35  | 70                 | 87      | T45P0010 |
|   | 12             | 9,9              | 2,43 | 2,11  | 73                 | 89      | T45P0012 |

\*1) Measured in dm³/ (s.bar)

\*2) Measured in m³/h

\*3) Measured in dBA/6bar/1 meter from unit

#### Option selector

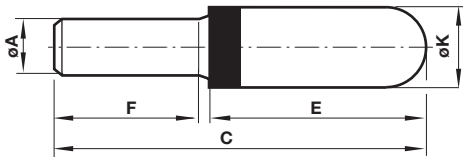
| Stem size | Substitute |
|-----------|------------|
| Metric    | P          |
| Inch      | Y          |

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| Stem Ø (mm)   | Substitute |
|---------------|------------|
| 4             | 04         |
| 6             | 06         |
| 8             | 08         |
| 10            | 10         |
| 12            | 12         |
| Stem Ø (inch) | Substitute |
| 5/32          | 02         |
| 1/4           | 04         |
| 5/16          | 05         |
| 3/8           | 06         |

Dimensions

Dimensions in mm  
Projection/First angle



| Ø A | C    | E    | F  | Ø K  | Weight (g) | Model     |
|-----|------|------|----|------|------------|-----------|
| 4   | 32   | 16   | 14 | 6,5  | 1          | T45P00004 |
| 6   | 45   | 24,5 | 17 | 12,5 | 1,5        | T45P00006 |
| 8   | 43,5 | 22   | 19 | 13,5 | 2          | T45P00008 |
| 10  | 57,5 | 31   | 23 | 15,5 | 3,5        | T45P00010 |
| 12  | 82   | 53   | 25 | 18,5 | 7          | T45P00012 |

| Ø A  | C    | E    | F  | Ø K  | Weight (g) | Model     |
|------|------|------|----|------|------------|-----------|
| 5/32 | 32   | 16   | 14 | 6,5  | 1          | T45Y00004 |
| 1/4  | 45   | 24,5 | 17 | 12,5 | 1,5        | T45Y00006 |
| 5/16 | 43,5 | 22   | 19 | 13,5 | 2          | T45Y00008 |
| 3/8  | 57,5 | 31   | 23 | 15,5 | 3,5        | T45Y00010 |

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.

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.