> Normal size: Ø 4.3 … 25 mm
> Single handed operation
> Heavy duty
> Good flow rates

> Industrial standard

Technical features

**Medium:**
Liquid fluids

**Operation:**
Double shut off:
- After disconnection the flow stops in both coupling and plug.
- The medium is retained in both connection lines and pressure is not released.

Operating pressure:
See table below

**Ambient/Media temperature:**
- Brass version: -20°C … +100°C (-4 … +212 °F)
- Stainless steel version: -15 … +200°C (-5 …+392 °F)
- Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).

Materials:
- Brass version:
  - Body, valve, sleeve: brass (Ms 58)
  - Spring and locking ring: stainless steel (1.4310)
  - Locking balls: stainless steel (1.4034)
  - Seals: NBR
- Stainless steel version:
  - Body, valve, sleeve: stainless steel
  - Spring and locking ring: stainless steel (1.4310)
  - Locking balls: stainless steel (1.4034)
  - Seals: FPM

Technical data

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Nominal size</th>
<th>Port size</th>
<th>Operating pressure (bar)</th>
<th>Body material</th>
<th>Model Coupling</th>
<th>Plug</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,3</td>
<td>G 1/8</td>
<td>250</td>
<td>Brass</td>
<td>DHS-220BP</td>
<td>DHP-220BP</td>
<td></td>
</tr>
<tr>
<td>6,3</td>
<td>G 1/4</td>
<td>250</td>
<td>Brass</td>
<td>DHS-440BP</td>
<td>DHP-440BP</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>G 3/8</td>
<td>200</td>
<td>Brass</td>
<td>DHS-660BP</td>
<td>DHP-660BP</td>
<td></td>
</tr>
<tr>
<td>12,5</td>
<td>G 1/2</td>
<td>150</td>
<td>Brass</td>
<td>DHS-880BP</td>
<td>DHP-880BP</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>G 3/4</td>
<td>100</td>
<td>Brass</td>
<td>DHS-12120BP</td>
<td>DHP-12120BP</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>G 1</td>
<td>100</td>
<td>Brass</td>
<td>DHS-16160BP</td>
<td>DHP-16160BP</td>
<td></td>
</tr>
<tr>
<td>6,3</td>
<td>G 1/4</td>
<td>250</td>
<td>Stainless steel</td>
<td>DHS-440VP</td>
<td>DHP-440VP</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>G 3/8</td>
<td>250</td>
<td>Stainless steel</td>
<td>DHS-660VP</td>
<td>DHP-660VP</td>
<td></td>
</tr>
<tr>
<td>12,5</td>
<td>G 1/2</td>
<td>250</td>
<td>Stainless steel</td>
<td>DHS-880VP</td>
<td>DHP-880VP</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>G 3/4</td>
<td>160</td>
<td>Stainless steel</td>
<td>DHS-12120VP</td>
<td>DHP-12120VP</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>G 1</td>
<td>100</td>
<td>Stainless steel</td>
<td>DHS-16160VP</td>
<td>DHP-16160VP</td>
<td></td>
</tr>
</tbody>
</table>

Option selector

- **Symbol:** DH-\[\]
- **Shape:** Plug (P), Coupling (C)
- **Port size Substitute:** G1/8, G1/4, G3/8, G1/2, G3/4, G1

- **Material Substitute:** Brass (B), Stainless steel (V)

Couplings and plugs

- **Coupling - brass version:** DHS-…. BP
- **Coupling - stainless steel version:** DHS-…. VP
- **Plug - brass version:** DHP-…. BP
- **Plug - stainless steel version:** DHP-…. VP
DH series
Double shut off quick release couplings

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2000 - 9133d) © 2015 Norgren Ltd.

Water flow

[Graph showing pressure drop vs. flow for various nominal sizes]

Nominal size | B (G) | C (ø) | G (mm) | H (mm) | Model
---|---|---|---|---|---
4,3 | G 1/8 | 48,5 | 7 | 25,5 | 14 | DHS-220BP
6,3 | G 1/4 | 57,5 | 10 | 28,5 | 19 | DHS-440P
10 | G 3/8 | 64 | 15,5 | 35 | 22 | DHS-660P
12,5 | G 1/2 | 74 | 15,5 | 44,5 | 27 | DHS-880P
20 | G 3/4 | 96 | 22 | 55 | 27 | DHS-12120P
25 | G 1 | 108 | 20 | 62 | 41 | DHS-16160P

* B = brass, V = stainless steel

Coupling – female thread

[Diagram showing coupling assembly]

Plug – female thread

[Diagram showing plug assembly]

Nominal size | B (G) | C (ø) | E (mm) | G (mm) | Model
---|---|---|---|---|---
4,3 | G 1/8 | 29 | 20 | 8 | 14 | DHP-220BP
6,3 | G 1/4 | 35,5 | 23,5 | 10 | 19 | DHP-440P
10 | G 3/8 | 39 | 27 | 11,5 | 22 | DHP-660P
12,5 | G 1/2 | 46 | 30 | 15,5 | 27 | DHP-880P
20 | G 3/4 | 60 | 40 | 22 | 36 | DHP-12120P
25 | G 1 | 65 | 44 | 20 | 41 | DHP-16160P

* B = brass, V = stainless steel

Warning

These products are intended for use in industrial compressed air and fluid 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 IMI 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.