

- > **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:

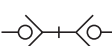
stainless steel (1.4310)

Locking balls:

stainless steel (1.4034)

Seals: FPM

## Technical data

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

## Option selector

**DH★-★★★★★P**

Shape	Substitute	Material	Substitute
Plug	<b>P</b>	Brass	<b>B</b>
Coupling	<b>S</b>	Stainless steel	<b>V</b>
Port size	Substitute		
G1/8	<b>220</b>		
G1/4	<b>440</b>		
G3/8	<b>660</b>		
G1/2	<b>880</b>		
G3/04	<b>12120</b>		
G1	<b>16160</b>		

## Couplings and plugs

**Coupling - brass version**  
DHS-..... BP



Page 2

**Coupling - stainless steel version**  
DHS-..... VP



Page 2

**Plug - brass version**  
DHP-..... BP



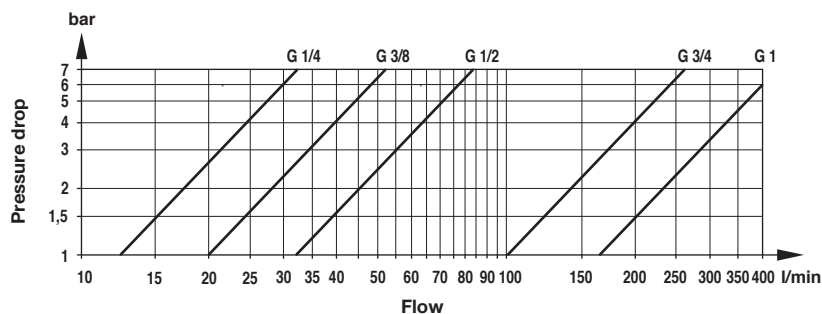
Page 2

**Plug - stainless steel version**  
DHP-..... VP



Page 2

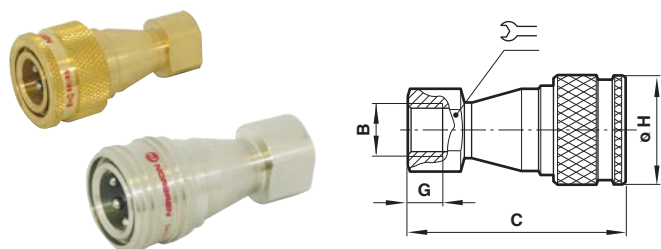
## Water flow



Dimensions in mm  
Projection/First angle



## Coupling – female thread



Nominal size	B	C	G	ø H		Model
4,3	G1/8	48,5	7	25,5	14	DHS-220BP
6,3	G 1/4	57,5	10	28,5	19	DHS-440*P
10	G 3/8	64	11,5	35	22	DHS-660*P
12,5	G 1/2	74	15,5	44,5	27	DHS-880*P
20	G 3/4	96	22	55	27	DHS-12120*P
25	G 1	106	20	62	41	DHS-16160*P

\* B = brass, V = stainless steel

## Plug – female thread



Nominal size	B	C	E	G		Model
4,3	G1/8	29	20	8	14	DHP-220BP
6,3	G 1/4	35,5	23,5	10	19	DHP-440*P
10	G 3/8	39	27	11,5	22	DHP-660*P
12,5	G 1/2	46	30	15,5	27	DHP-880*P
20	G 3/4	60	40	22	36	DHP-12120*P
25	G 1	65	44	20	41	DHP-16160*P

\* 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 NORGRN.

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.