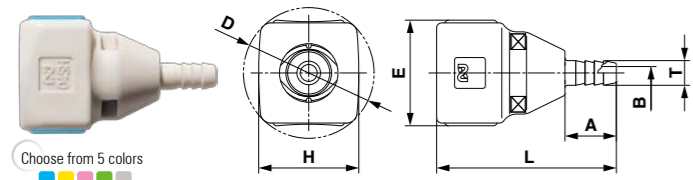
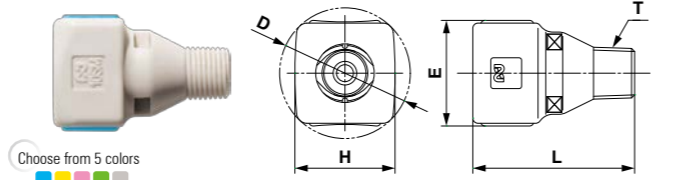


Socket SH Type (Hose barb)



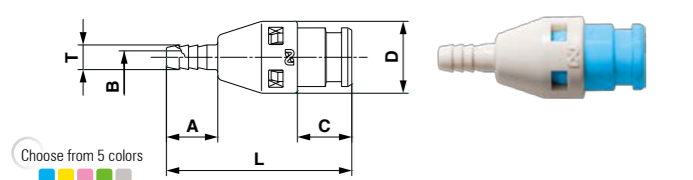
| Model* | Application (Tube) | Built-in valve | Mass (g) | Dimensions (mm) | | | | | | |
|-------------|--------------------|----------------|----------|-----------------|----|--------|-----|-----|------|--------|
| | | | | L | A | E | oT | oB | H | oD |
| SPC-04SH | 4 mm ID | With | 6.5 | 35 | 10 | (20.3) | 4.8 | 2.5 | 19.5 | (25.5) |
| SPC-04SH-VL | 4 mm ID | Without | 6.1 | 35 | 10 | (20.3) | 4.8 | 2.5 | 19.5 | (25.5) |
| SPC-06SH | 6 mm ID | With | 7.0 | 40 | 15 | (20.3) | 7 | 3.6 | 19.5 | (25.5) |
| SPC-06SH-VL | 6 mm ID | Without | 6.6 | 40 | 15 | (20.3) | 7 | 3.6 | 19.5 | (25.5) |

Socket SM Type (Male thread)



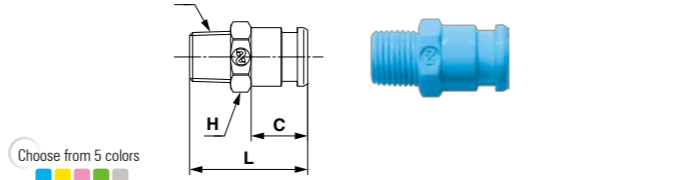
| Model* | Application | Built-in valve | Mass (g) | Dimensions (mm) | | | | | |
|-------------|-------------|----------------|----------|-----------------|--------|-------|------|--------|--|
| | | | | L | E | T | H | oD | |
| SPC-10SM | Rc 1/8 | With | 6.8 | 31.5 | (20.3) | R 1/8 | 19.5 | (25.5) | |
| SPC-10SM-VL | Rc 1/8 | Without | 6.4 | 31.5 | (20.3) | R 1/8 | 19.5 | (25.5) | |

Plug PH Type (Hose barb)



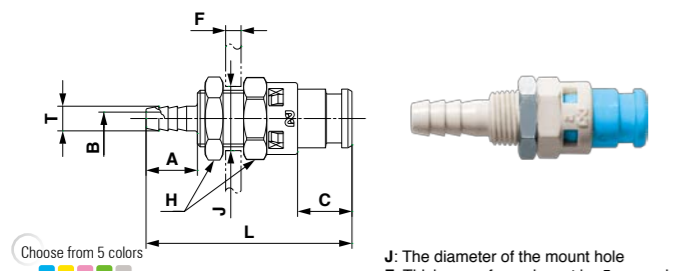
| Model* | Application (Tube) | Built-in valve | Mass (g) | Dimensions (mm) | | | | | |
|-------------|--------------------|----------------|----------|-----------------|----|--------|----|-----|-----|
| | | | | L | A | C | oT | oB | |
| SPC-04PH | 4 mm ID | With | 3.1 | (36) | 10 | (10.5) | 14 | 4.8 | 2.5 |
| SPC-04PH-VL | 4 mm ID | Without | 2.6 | (36) | 10 | (10.5) | 14 | 4.8 | 2.5 |
| SPC-06PH | 6 mm ID | With | 3.4 | (40) | 15 | (10.5) | 14 | 7 | 3.6 |
| SPC-06PH-VL | 6 mm ID | Without | 2.9 | (40) | 15 | (10.5) | 14 | 7 | 3.6 |

Plug PM Type (Male thread)



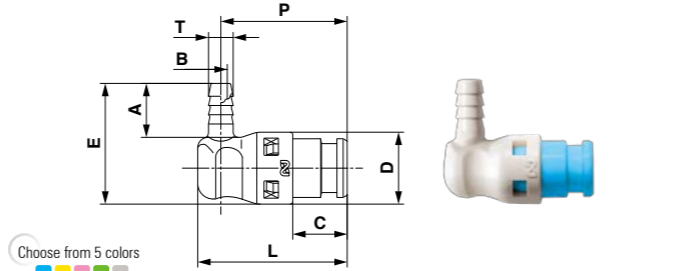
| Model* | Application | Built-in valve | Mass (g) | Dimensions (mm) | | | |
|-------------|-------------|----------------|----------|-----------------|----|--------|-------|
| | | | | L | C | H(WAF) | T |
| SPC-10PM | Rc 1/8 | With | 2.0 | 23 | 11 | Hex.12 | R 1/8 |
| SPC-10PM-VL | Rc 1/8 | Without | 1.5 | 23 | 11 | Hex.12 | R 1/8 |

Plug PHB Type (For panel mount)



| Model* | Application (Tube) | Built-in valve | Mass (g) | Dimensions (mm) | | | | | | | |
|--------------|--------------------|----------------|----------|-----------------|----|--------|--------|-----|-----|----------------------|--|
| | | | | L | A | C | H(WAF) | oT | oB | oJ | |
| SPC-04PHB | 4 mm ID | With | 5.9 | (40) | 10 | (10.5) | Hex.14 | 4.8 | 2.5 | 11.1 ^{+0.3} | |
| SPC-04PHB-VL | 4 mm ID | Without | 5.4 | (40) | 10 | (10.5) | Hex.14 | 4.8 | 2.5 | 11.1 ^{+0.3} | |
| SPC-06PHB | 6 mm ID | With | 6.2 | (45) | 15 | (10.5) | Hex.14 | 7 | 3.6 | 11.1 ^{+0.3} | |
| SPC-06PHB-VL | 6 mm ID | Without | 5.7 | (45) | 15 | (10.5) | Hex.14 | 7 | 3.6 | 11.1 ^{+0.3} | |

Plug PHL Type (Hose barb)



| Model* | Application (Tube) | Built-in valve | Mass (g) | Dimensions (mm) | | | | | | | |
|--------------|--------------------|----------------|----------|-----------------|--------|--------|----|------|------|-----|-----|
| | | | | L | C | P | oD | A | E | oT | oB |
| SPC-04PHL | 4 mm ID | With | 3.5 | (29) | (10.5) | (24.5) | 14 | 10.5 | 23.5 | 4.8 | 2.5 |
| SPC-04PHL-VL | 4 mm ID | Without | 3 | (29) | (10.5) | (24.5) | 14 | 10.5 | 23.5 | 4.8 | 2.5 |
| SPC-06PHL | 6 mm ID | With | 3.9 | (30.5) | (10.5) | (25.5) | 14 | 15.5 | 28.5 | 7 | 4 |
| SPC-06PHL-VL | 6 mm ID | Without | 3.4 | (30.5) | (10.5) | (25.5) | 14 | 15.5 | 28.5 | 7 | 4 |

* For each color, the model name ends with; Blue: -BLU Yellow: -YEL Pink: -PNK Green: -GRN Ivory: -IVR (Example/SM type Blue: SPC-10SM-BLU)

▲ Safety Guide
 Read without fail and observe the following pages in the general Quick Connect Couplings Catalog; [Cube Cupla] page, [Precautions Relating to the Use of All Cuplas] page, "Cuplas for Low Pressure (Air)" and "Cupla for Low Pressure (Water, Liquid) and for Medium Pressure" in the [Safety Guide] page.
 Resin (POM) such as the main body ... Conforms to article No.3-D-2-(2)-2 and has passed both material and elution tests specified in the Food sanitation Act and the standards For Food and Food additives (Notice No. 370 of 1959 issued by the Ministry of Health and Welfare of Japan). O-ring (NBR) ... Conforms to article No.3-D-3-(1) and has passed both material and elution tests specified in the Food sanitation Act and the standards For Food and Food additives (Notice No. 370 of 1959 issued by the Ministry of Health and Welfare of Japan). Silicone type grease (NSF H1, NSF 61 registered product) is applied to the sealing material. The Cupla should be evaluated before use to determine the suitability with applications that require sanitation control.

Focused on you
NITTO KOHKI CO., LTD.
 Web www.nitto-kohki.co.jp/e

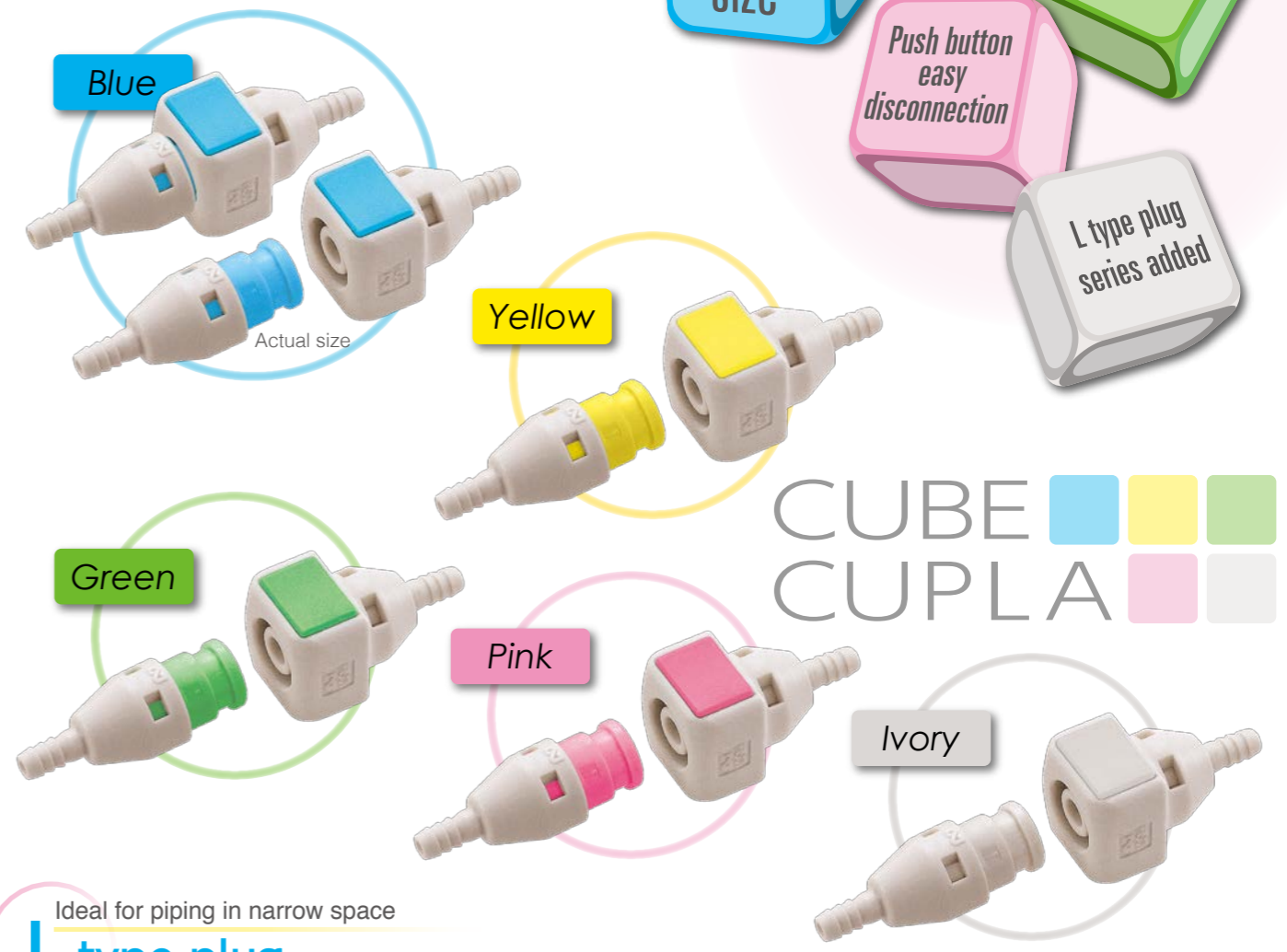
Head Office
 9-4, Nakaikigami 2-chome, Ohta-ku, Tokyo 146-8555, Japan
 Tel : +81-3-3755-1111 Fax : +81-3-3753-8791
 E-mail : overseas@nitto-kohki.co.jp



DISTRIBUTED BY

New **CUBE CUPLA**

In all five color variations to prevent piping mistakes.



Ideal for piping in narrow space
L type plug

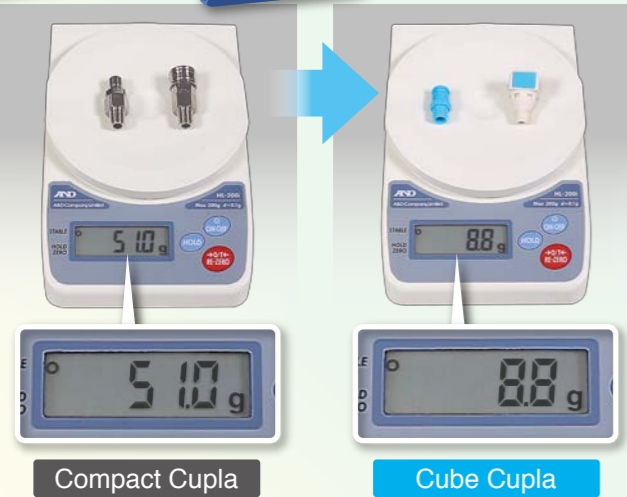


Material that conforms to the Food sanitation Act of Japan is adopted. The Cupla should be evaluated before use to determine the suitability with applications that require sanitation control.



Small size
Lightweight
made of resin

Compared with products of the same specification
(Our products with similar working pressure / flow rate)



The weight is about ...

1/5

Compact Cupla

Cube Cupla

Push-to-connect operation

Push in

A clicking sound

Push button easy disconnection

Push button for disconnection
2 places on the socket side

Just push the buttons

Push button easy disconnection

5 colors

To prevent misconnection of piping

Pipings that are difficult to identify

Connect without hesitation at a glance

?! (Confusion icon)

It is also possible to check colors after connection

Application example

Air piping of muscle compression machines for training

Ink piping and cooling water piping of commercial inkjet printers

For air piping of office automation equipment, measuring and analyzing fields, etc.

The above application is an example only. When adopting, please consult us separately.

| | | |
|--|---------------------------------------|--|
| Working pressure 1.0MPa {10kgf/cm ² } | Applicable fluids Air Water | Valve structure Two-way shut-off One-way shut-off Straight through |
|--|---------------------------------------|--|

Specifications

| | | | | |
|---------------------------|------------------------------|------------------------|---------------------------|-------------------|
| Body material | Polyacetal resin (POM) | | | |
| Size | 4 mm and 6 mm ID tube, R 1/8 | | | |
| Working pressure *1 | 1.0 MPa | 10 kgf/cm ² | 10 bar | 145 PSI |
| Seal material | Seal material | Mark | Working temperature range | Remarks |
| Working temperature range | Nitrile rubber | NBR (SG) | -20°C to +60°C | Standard material |

Check the compatibility of the seal material with the type of fluid and temperature used in the application.
*1: The normal allowable fluid pressure under continuous use. Continuously exceeding the working pressure may cause leakage or damage.

Max. Tightening Torque

N·m {kgf·cm}

| | |
|---------------|------------------------|
| Size (Thread) | R 1/8 |
| Torque | 0.9 to 1.1 {9.2 to 11} |

Flow direction

Fluid flow can be bi-directional when socket and plug are connected.



Interchangeability

Can be connected with plug and socket for Cube Cupla of the same type regardless of end configurations. However, built-in valve sockets cannot be connected with valveless plugs. The valve of the socket will not open and fluid will not flow.

Min. Cross-Sectional Area (-VL is a valveless type) (mm²)

| Model Plug / Socket | SPC-04SH | SPC-06SH | SPC-10SM | SPC-04SH-VL | SPC-06SH-VL | SPC-10SM-VL |
|---------------------------|----------|----------|----------|-------------|-------------|-------------|
| SPC-04PH/PHB/PHL | 5 | 5 | 5 | 5 | 5 | 5 |
| SPC-06PH/PHB/PHL | 5 | 8.6 | 8.6 | 5 | 8.6 | 8.6 |
| SPC-10PM | 5 | 8.6 | 8.6 | 5 | 8.6 | 8.6 |
| SPC-04PH-VL/PHB-VL/PHL-VL | - | - | - | 5 | 5 | 5 |
| SPC-06PH-VL/PHB-VL | - | - | - | 5 | 10.2 | 10.2 |
| SPC-06PHL-VL | - | - | - | 5 | 10.2 | 12.6 |
| SPC-10PM-VL | - | - | - | 5 | 10.2 | 16.6 |

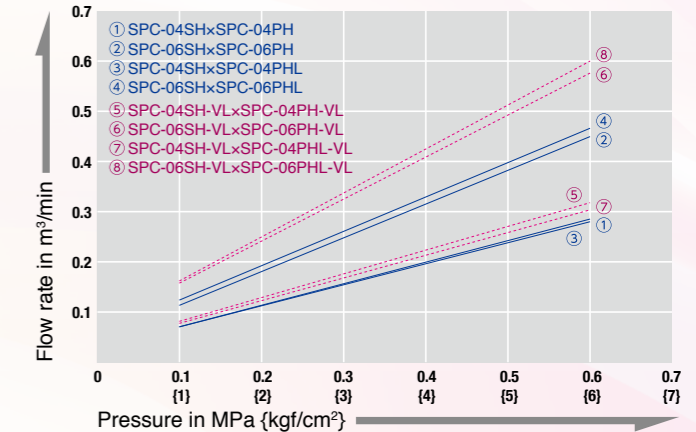
Suitability for Vacuum

53.0kPa {400mmHg}

| | | |
|-------------|-----------|----------------|
| Socket only | Plug only | When connected |
| - | - | Operational |

Pressure - Flow Characteristics (The flow rate does not differ by each body color)

Test conditions
-Fluid: Air -Temperature: Room temperature — Built-in valve type Valveless type



Select the combination of models suitable to your applications

| Combination capability | | Plug | |
|------------------------|---------|------------------|------------------|
| | | With | Without |
| Socket | Valve | Two-way shut-off | Not connectable |
| | Without | One-way shut-off | Straight through |