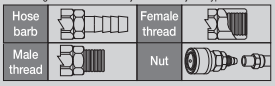
Select Appropriate CUPLA for the Job

Nitto Kohki has the wide range of CUPLA products covering almost every application and feature you need. In order to select an appropriate CUPLA for your job, you need to realize the following specifications.

Specifications to Be Checked When Selecting CUPLA

Fluid and the Temperature	Select CUPLA with body and seal materials that suit the fluid and its temperature.	There are different body and seal materials to suit different fluids. For example, we recommend steel HI CUPLA for air, and brass or stainless steel for water. Please refer to Body Material Selection Table and Seal Material Selection Table at the end of this catalog for details about the correspondence between fluids and materials.
Fluid Pressure	Select CUPLA suitable for the actual maximum fluid pressure.	Fluid pressure is also a key to CUPLA selection. Each series of hydraulic CUPLA have different structures to cope with each pressure resistance ranges up to 68.6 MPa (700 kgf/cm^2).
Automatic Shut-off Valve	Select CUPLA with a valve structure that suits the piping application.	Valve combinations are two-way shut-off, one-way shut-off, or straight through types. Choose carefully. Unless it is a two-way shut-off type, the internal fluid will flow out when it is disconnected.
Operating Environment	Select CUPLA with design and materials that suit each operating environment.	In choosing the type of CUPLA, body material and seal material, consider the temperature range, and/or corrosive atmosphere in the operating environment.
Size and Type of End Configurations	Finally and critically specify the size and type of end configurations.	Having checked the type and materials for CUPLA, now specify the size and type of end configurations to suit the type of piping. Choose carefully, as the size affects the fluid flow rate.

Note:
End configuration and size may be limited by the type of CUPLA.



You can search “CUPLA” at our web site. (www.nitto-kohki.co.jp/e/) Please take a visit.
The product pictures are just examples and their shape may differ depending on the material and size of the body.
If you cannot find a suitable CUPLA product, please contact us via our web site or enter the above details in the “CUPLA Inquiry Form” at the end of this catalog and send it to us by fax or post.

Symbols

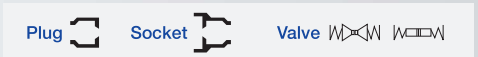
Quick reference symbols:

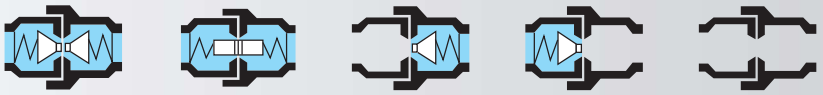
(1) Working pressure, (2) Type of valve structure, (3) Applicable fluids, are given on each product page to help you to quickly select a suitable CUPLA product. Please use them as the guide to grasp each type selection.

Working pressure

1.0 MPa
{10 kgf/cm^2}

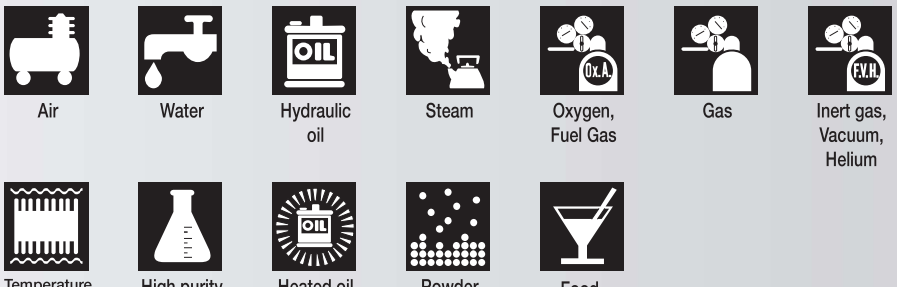
Valve structure





Two-way shut-off | Two-way shut-off (Spill Reduction) | One-way shut-off | One-way shut-off | Straight through

Applicable fluids



Air | Water | Hydraulic oil | Steam | Oxygen, Fuel Gas | Gas | Inert gas, Vacuum, Helium

Temperature control refrigerant | High purity chemicals | Heated oil | Powder | Food, Drinking water