

# Tube Fitting Chemical Type



## Characteristics

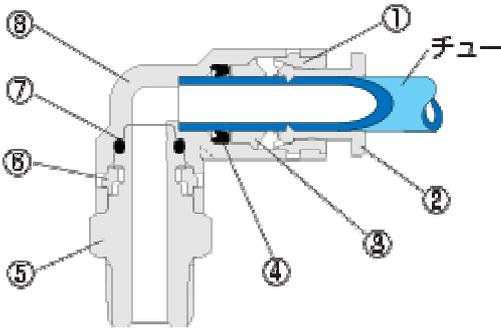
- The fitting is made of PPS(polyphenylene sulfide), which possesses excellent heat resistance, noncombustible (UL94 V-0) and chemical resistance and the seal is made of fluorine rubber, to meet a wide variety of applications.
- There is not need to worry about rust because the fitting is all-resin made.
- Since it conforms to the Food Sanitation Act and is completely oil-prohibited specifications, it is best suitable for food-related applications.
- One-touch mechanism contributed to easy fitting of tubes.
- The weight is about 1/3 that of standard fitting, and 1/5 that of SUS316 compression fitting.
- It is compatible with special rubber specifications (Material : EPDM and NBR).
- Clean-room package is optional(class 1000).

## Specifications

|                           |   |
|---------------------------|---|
| Fluid admitted            | Air, water, other chemicals (conditional) |
| Service pressure range    | 0.9MPa                                    |
| Working vacuum            | -100kPa                                   |
| Service temperature range | 0~80℃                                     |

1. Please keep surge pressure under Max. pressure range when the tube is used with thermal oil and water.
2. Be sure to install the insert ring when it is used with water or other liquids.
3. Since there are cases where our specifications may differ from others in some respects for chemicals, solvents, mixed gases, etc. use. Please make inquiries about these use to the nearest sales offices.

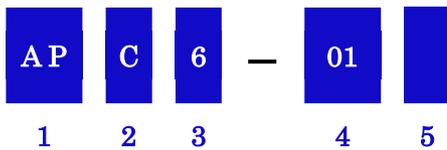
Constructions (Elbow : APL)



|                   |   |
|-------------------|---|
| 1.Tapered sleeve  | polyphenylene sulfide (Glass 30% included ) |
| 2.Collet          | polyphenylene sulfide (Glass 30% included ) |
| 3.Tapered bush    | polyphenylene sulfide (Glass 30% included ) |
| 4.Elastic sleeve  | Fluoric rubber (FKM)**                      |
| 5.Screw component | polyphenylene sulfide (Glass 30% included ) |
| 6.C-ring          | polyphenylene sulfide (Glass 30% included ) |
| 7.O-ring          | Fluoric rubber (FKM)**                      |
| 8.Resin body      | polyphenylene sulfide (Glass 30% included ) |

\*\* EPDM and Nitrile rubber specifications are available upon request.

Model Designation (Example)



1.All-resin made (PPS) Quick-Fitting Joint

2.Type

3.Tube size

| Tube size         | mm size |    |    |     |     |
|-------------------|---------|----|----|-----|-----|
| Code              | 4       | 6  | 8  | 10  | 12  |
| Tube O.D.<br>(mm) | φ4      | φ6 | φ8 | φ10 | φ12 |

4.Thread size

| Thread size | Taper pipe thread |      |      |      |
|-------------|-------------------|------|------|------|
| Code        | 01                | 02   | 03   | 04   |
| R           | R1/8              | R1/4 | R3/8 | R1/2 |

5.Package specification    No code : Standard package    C : Clean room package