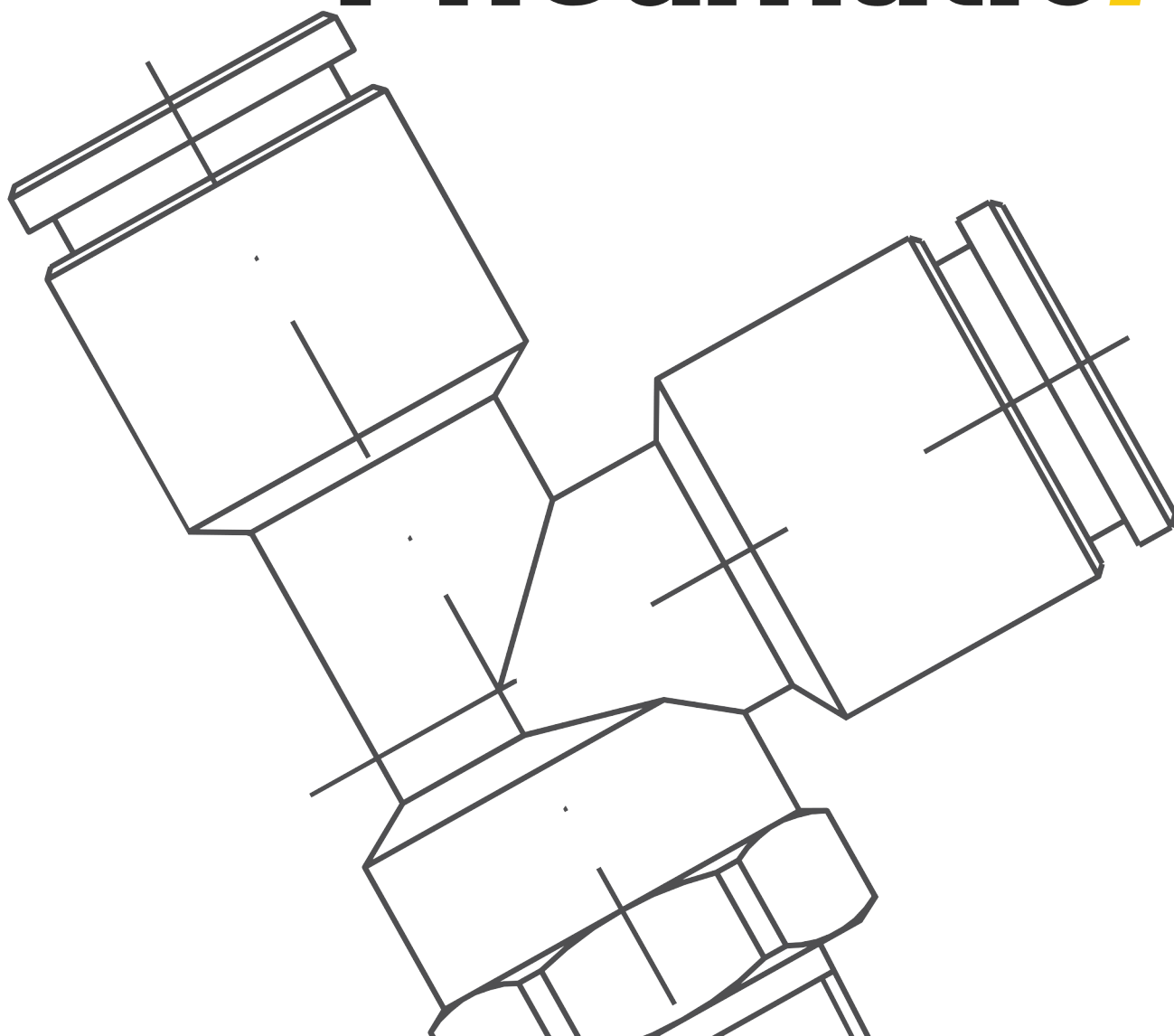




Pneumatic*Plus*





Pneumatic *Plus*

ONE-TOUCH FITTINGS

Application

- One-touch joints used in pneumatic piping.
- Used for a wide variety of models to meet all needs.

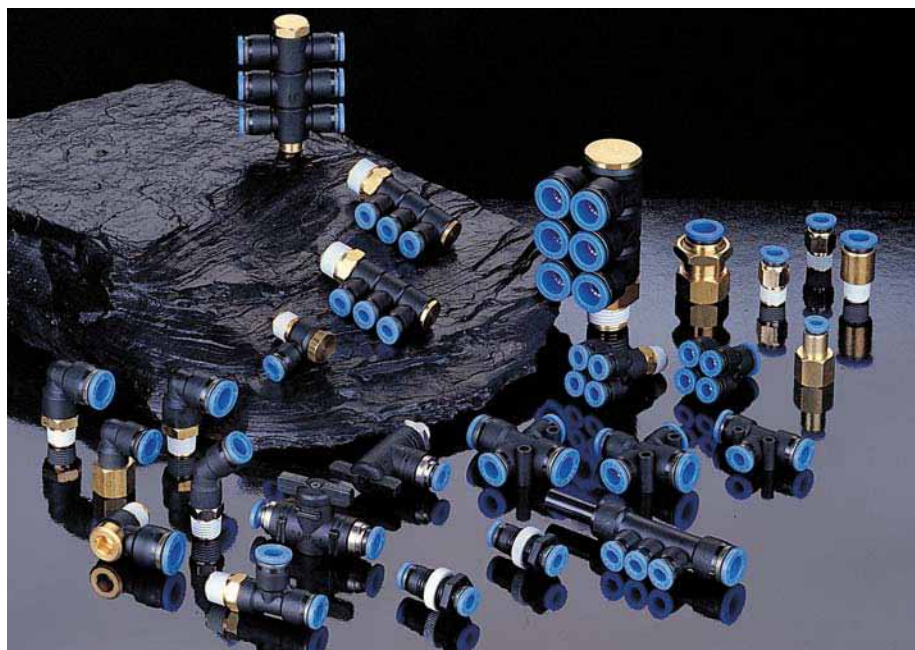
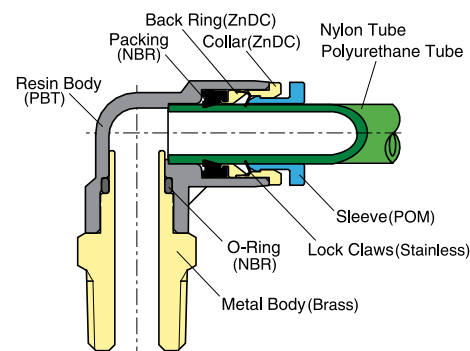
Feature

- Easy to connect/disconnect tube by one touch.
- PC type is useful for piping in confined space, given its six-angle wrench processing inside.
- Elliptical sleeve makes it possible to apply and remove the tube easily in confined space.
- Fittings are equipped with a Gasket, O-ring and Teflon-Treatment already on the thread.

Specification

| | | |
|--------------------------|---------------------------------|-------------------------------------|
| Fluid | Air (No other gases or liquids) | |
| Working Pressure Range | 0~290PSI | 0~20Kgf/cm ² (0~2000kPa) |
| Negative Pressure | -29.5 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140°F | 0 ~ 60 °C |
| Applicable Tube Material | Polyurethane and Nylon | |

Structural Diagram



Case In Use

►POC Model

- The hexagonal hole of the inside body makes it possible to tighten the fitting with a hexagonal wrench.
- A hexagonal wrench must be used due to the round exterior.

►PL Model

- Flexible for directional tube laying given its revolving construction of body (PL and PT type)

►Elliptical Sleeve

- Elliptical sleeve makes it possible to apply and remove the tube easily in confined spaces.

Product Code System

PC O8-O2

① ② ③ ④

①Type

②Tube Dia(ØD)

| | Metric Size | | | | | | | | Inch Size | | | | | |
|------|-------------|----|----|----|-----|-----|-----|-----|-----------|-------|------|-------|------|------|
| Code | 03 | 04 | 06 | 08 | 10 | 12 | 14 | 16 | 5/32 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 |
| Dia | Ø3 | Ø4 | Ø6 | Ø8 | Ø10 | Ø12 | Ø14 | Ø16 | Ø5/32 | Ø3/16 | Ø1/4 | Ø5/16 | Ø3/8 | Ø1/2 |

③Thread Size(T)

* Metric Thread & R(PT) Thread

| | Metric Size | | | | Taper Pipe Thread | | | |
|------|-------------|--------|--------|------|-------------------|------|------|--|
| Code | M3 | M5 | M6 | 01 | 02 | 03 | 04 | |
| Size | M3×0.5 | M5×0.8 | M6×1.0 | R1/8 | R1/4 | R3/8 | R1/2 | |

* Inch Thread (UNF & NPT)

| | Unified Fine Thread | | American Standard Taper Pipe Thread | | | |
|------|---------------------|--|-------------------------------------|--------|--------|--------|
| Code | U10U | | N01U | N02U | N03U | N04U |
| Size | 10-32UNF | | NPT1/8 | NPT1/4 | NPT3/8 | NPT1/2 |

④U Hexagon flat-to-flat inch specification (NPT)

One -Touch Fittings

| | | | | | | |
|--|---|--|---|---|--|--|
| PC  Male Straight | PL  Male Elbow | PL45  Male 45° Elbow | PT  Male Branch Tee | PST  Male Run Tee | POC  Round Male Straight | PCF  Female Straight |
| PH  Male Banjo | PH(D2)  Double Universal Elbow | PH(D3)  Triple Universal Elbow | PHF  Female Banjo | PWT  Male Y | PMF  Bulkhead Female Straight | PCJ  Plug-In Male |
| PLF  Female Elbow | PTF  Female Branch Tee | POL  Hex. Holed Banjo | PLL  Extended Male Elbow | PLLp  Union Straight | PUC  Union Straight | PUL  Union Elbow |
| PUT  Union Tee | PY  Union Y | PG  Reducer | PUG  Different Dia of Union Tee | PW  Reducer Y | PZA  Union Cross | PZA22  Different Dia of Union Cross(2/2) |
| PZA31  Different Dia of Union Cross(3/1) | PMM  Bulkhead Union | PPM  Bulkhead Union P | PLM  Bulkhead Union P | PCP  Straight Ace Coupler Plug | PA  Dual Male Banjo | PA(D2)  Double Branch A |
| PA(D3)  Triple Branch A | PAF  Dual Female Banjo | PGJ  Plug-In Reducer | PLJ  Plug-In Elbow | PLJ45  Plug-In Extended Elbow | PLLJ  Plug-In Extended Elbow | PLLJ45  Plug-In Reducer Elbow |
| PLGJ  Plug-In Reducer Elbow | PLGJ45  Plug-In Reducer Elbow | PIJ  Tube Splicer | PJH  Plug-In Extended Elbow | PIG  Reducer Tube Splicer | PP  Plug | PYJ  Plug-In Y |

| | | | | | | |
|---|--|---|---|---|--|--|
| PWJ  Plug-In Reducer Y | PPF  Cap | PXG  Reducer Double Y Union | PXJ  Reducer Double Y | PXT  Male Double Y | PKG  Reducer Triple Branch Union | PKJ  Plug-In Reducer Triple Branch |
| PKD  Male Reducer Triple Branch | CAS  Insert-Tube | CASI  Insert-Tube Clip | | | | |

Fitting with G Thread (O-Ring)

| | | | | | | |
|--|---|--|--|---|--|--|
| PC-G  Male Straight | PL-G  Male Elbow | PL45-G  Male 45° Elbow | PT-G  Male Branch Tee | PST-G  Male run Tee | POC-G  Male run Tee | PCF-G  Female Straight |
| PH-G  Female Banjo | PH-G (D2)  Double Universal Elbow | PH-G (D3)  Triple Universal Elbow | PHF-G  Female Banjo | PHF-GG  Female Banjo | PWT-G  Male Y | PMF-G  Bulkhead Female Straight |
| PLF-G  Female Elbow | POL-G  Extended Male Elbow | PLL-G  Extended Male Elbow | PLL-P-G  Extended Male Elbow | PA-G (D2)  Double Branch A | PA-G (D3)  Triple Branch A | PAF-G  Dual Female Banjo |
| PXT-G  Male Double Y | PKD-G  Male Reducer Triple Branch | PGL-G (D1)  Single Universal Elbow | PGL-G (D2)  Double Universal Elbow | PGL-G (D3)  Triple Universal Elbow | PGT-G (D1)  Single Universal Elbow | PGT-G (D2)  Double Universal Tee |
| PGT-G (D3)  Triple Universal Tee | PGB(D1)  Fitting | PGB(D2)  Fitting | PGB(D3)  Fitting | PGL  Fitting | PGT  Fitting | PGO  Three O-rings |

COMPACT ONE-TOUCH FITTINGS

Application

- Compact type one-touch joints used in small types of pneumatic piping.
- A wide variety of models are available to meet most your needs.

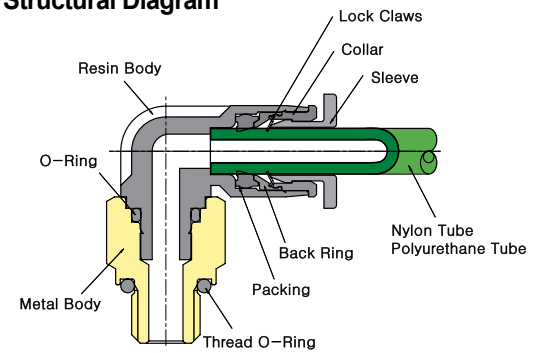
Feature

- The world's smallest quick-fitting joints feature 40% smaller volume ratio and 20% smaller O.D. ratio in comparison to the conventional type.
- The compact type joints, which are nickel plated, are excellent not only in appearance but also in rust resistance.
- The elliptical sleeve helps easy application or removal of the tube in confined space.

Specification

| | | |
|--------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140° F | 0~60°C |
| Applicable Tube Material | Polyurethane and Nylon | |

Structural Diagram



Case In Use

►POC Model/PCC Model

The hexagonal shape on the inside of the body makes it possible to tighten the fitting by use of a hexagonal wrench.

In the case of POC, PCC a hexagonal wrench must be used due to the round exterior.

►PLL Model/PL Model

Long brass body helps tightening with ease away from any obstacles.

Product Code System

PC O6-01 C

① ② ③ ④

① Type

② Tube Dia(ØD)

| | Metric Size | | | Inch Size | | |
|------|-------------|----|----|-----------|-------|------|
| Code | 03 | 04 | 06 | 5/32 | 3/16 | 1/4 |
| Dia | Ø3 | Ø4 | Ø6 | Ø5/32 | Ø3/16 | Ø1/4 |

③ Thread Size(T)

* Metric Thread & R(PT) Thread

| | Metric Size | | | | | |
|------|-------------|----------|----------|--------|-----------|------|
| Code | M3 | M5 | M6 | M7 | M8 | O1 |
| Size | M5 × 0.8 | M5 × 0.8 | M6 × 1.0 | M7 × 1 | M8 × 0.75 | R1/8 |

④ C=COMPACT

Compact One -Touch Fitting

| | | | | | | |
|--|--|--|--|--|--|--|
| PC-C  Male Straight | PL-C  Male Elbow | PT-C  Male Branch Tee | POC-C  Round Male Straight | PUC-C  Union Straight | PUL-C  Union Straight | PUT-C  Union Tee |
| PCF-C  Female Straight | PST-C  Male Run Tee | PLL-C  Extended Male Elbow | PGJ-C  Reducer | PW-C  Reducer Y | PWJ-C  Plug-In Reducer Y | PLJ-C  Plug-In Elbow |
| PMM-C  Bulkhead Union | PCC-C  Round Male Straight | PPF-C  Cap | PZA-C  Union Cross | PYJ-C  Plug -In Y | PG-C  Reducer | PY-C  Union Y |
| PP-C  Plug | PLM-C  Bulkhead Union P | | | | | |

Fitting with G Thread (O-Ring)

| | | | | | |
|--|---|--|---|---|---|
| PC-C(G)  Male Straight | PL-C(G)  Male Elbow | PT-C(G)  Male Branch Tee | POC-C(G)  Round Male Straight | PST-C(G)  Male Run Tee | PLL-C(G)  Extended Male Elbow |
|--|---|--|---|---|---|

SPEED CONTROLLERS

Application

- Valve used for controlling the operation speed of a driving device.
- Used for movement of machines such as cylinder, pneumatic finger, etc.

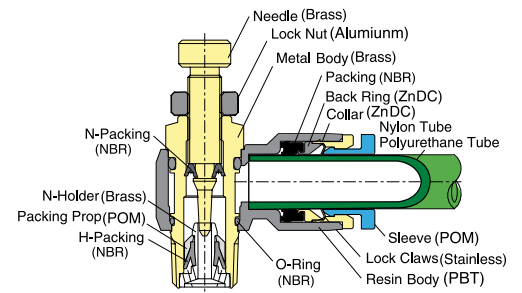
Feature

- Precisely permit the optimal rate of airflow for the smooth cylinder movement of driving devices.
- The Compact and light body permits use in confined space.
- Uni-directional airflow is available for either exhaust or inlet flow control methods.
- The compact design provides a comparable range of speed as the conventional speed controllers do.

Specification

| | | |
|--------------------------|--------------------------------|-------------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~290PSI | 0~20Kgf/cm ² (0~2000kPa) |
| Negative Pressure | 7.5PSI | 0.5Kgf/cm ² (50kPa) |
| Temperature Range | 32~140° F | 0~60° C |
| Applicable Tube Material | Polyurethane and Nylon | |

Structural Diagram



Product Code System

NSE O8-O2 O U

① ② ③ ④ ⑤

① Type

② Tube Dia(ØD)

| | Metric Size | | | | | | Inch Size | | | | | |
|------|-------------|----|----|----|-----|-----|-----------|-------|-------|------|-------|------|
| Code | 03 | 04 | 06 | 08 | 10 | 12 | 1/8 | 5/32 | 3/16 | 1/4 | 5/16 | 3/8 |
| Dia | Ø3 | Ø4 | Ø6 | Ø8 | Ø10 | Ø12 | Ø1/8 | Ø5/32 | Ø3/16 | Ø1/4 | Ø5/16 | Ø3/8 |

③ Thread Size(T)

* Metric Thread & R(PT) Thread

| | Metric Size | | | Taper Pipe Thread | | | |
|------|-------------|--------|------|-------------------|------|------|--|
| Code | M3 | M5 | 01 | 02 | 03 | 04 | |
| Size | M3×0.5 | M5×0.8 | R1/8 | R1/4 | R3/8 | R1/2 | |

* Inch Thread (UNF & NPT)

| | Unified Fine Thread | American Standard Taper Pipe Thread | | | |
|------|---------------------|-------------------------------------|--------|--------|--------|
| Code | U10U | N01U | N02U | N03U | N04U |
| Size | 10-32UNF | NPT1/8 | NPT1/4 | NPT3/8 | NPT1/2 |

④ Control Method

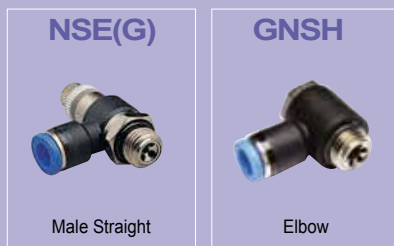
| Type | Meter out | | Meter in | |
|--------|---------------|---------------|--------------|-------------|
| Sleeve | Standard Blue | Compact Black | Standard Red | Compact Red |
| Symbol | | | | |

(S)U : Hexagon flat-to-flat inch specification.(NPT)

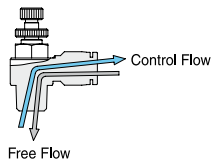
Speed Controllers



Fitting with G Thread (O-Ring)

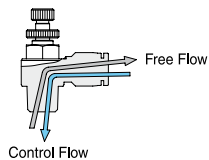


Case In Use



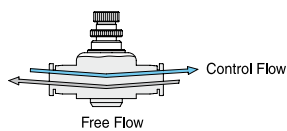
►Out-Type

- The way to control of airflow from the thread to the sleeve.
- Air passes freely from the sleeve to the thread.



►In-Type

- The way to control of airflow from the sleeve to the thread.
- Air passes freely from the thread to the sleeve.



►Flat-Type

- The way to control of Free Flow or Control Flow upon piping in accordance with the signal on the body.
- Air flows from each side of sleeve.

ROTARY JOINTS

Application

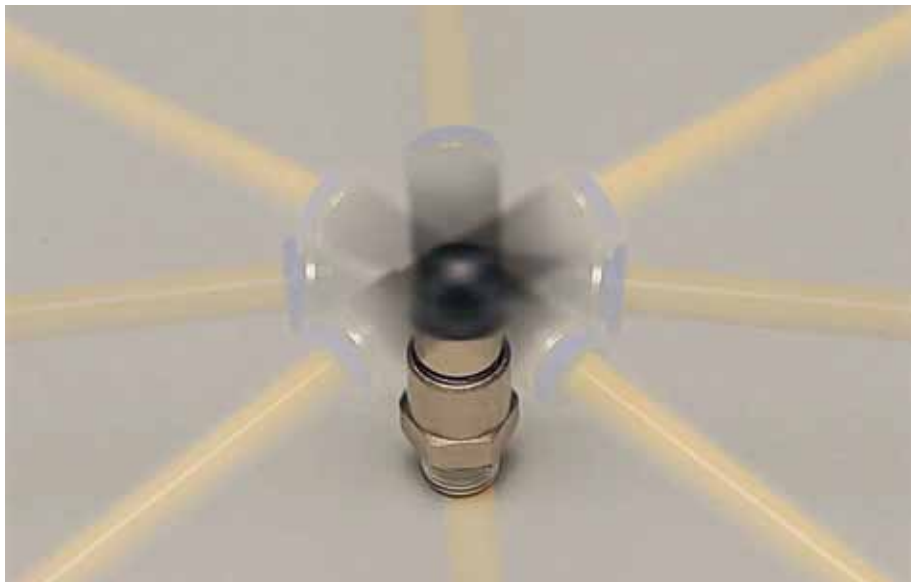
- Used for supplying compressed air at swiveling or swinging connections.
- Used for index tables and industrial robots.

Feature

- Built in bearings, suitable for high-speed swiveling pneumatic connections..

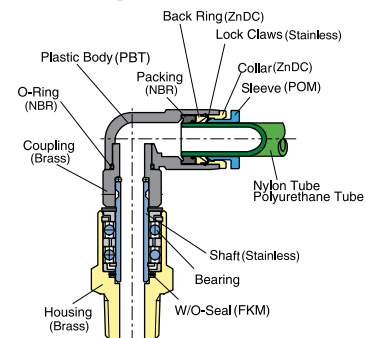
Specification

| | | |
|--------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140° F | 0~60°C |
| Applicable Tube Material | Polyurethane and Nylon | |

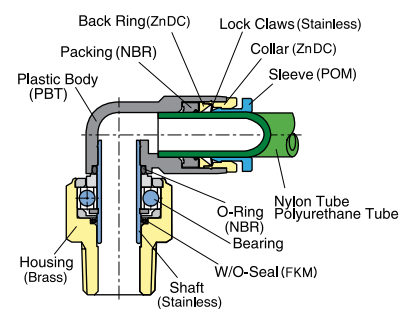


Structural Diagram

▼High Rotary Joint



▼Rotary Joint



Product Code System

NHRC O6-O1

(1) (2) (3)

① Type

② Tube Dia(∅D)

| | | | | | |
|------|----|----|----|-----|-----|
| Code | 04 | 06 | 08 | 10 | 12 |
| Dia | ∅4 | ∅6 | ∅8 | ∅10 | ∅12 |

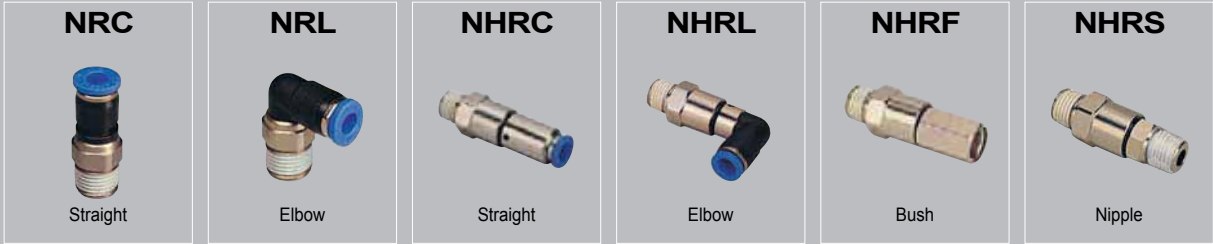
③ Thread Size(T)

| | Metric Size | | Taper Pipe Thread | | | |
|------|-------------|----------|-------------------|------|------|------|
| Code | M5 | M6 | 01 | 02 | 03 | 04 |
| Size | M5 × 0.8 | M6 × 1.0 | R1/8 | R1/4 | R3/8 | R1/2 |

Number of Rotations

| | Tube Dia | ∅4 | ∅6 | ∅8 | ∅10 | ∅12 |
|-------|-----------------------------|-------|-------|-------|-------|-------|
| r.p.m | Low NRC, NRL | 500 | 500 | 400 | 300 | 250 |
| | High NHRC, NHRL, NHRS, NHRF | 1,500 | 1,200 | 1,200 | 1,000 | 1,000 |

Rotary Joints



Fitting with G Thread (O-Ring)



STOP FITTINGS

Application

- Installed where the pneumatic connections are changed frequently.
- Used at laboratory or for instructing pneumatic connections.

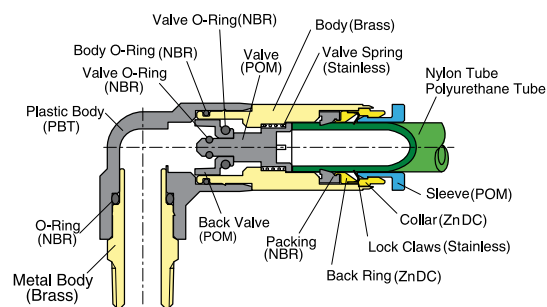
Feature

- Upon disconnecting the tube, the airflow will stop.

Specification

| | | |
|--------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140° F | 0~60°C |
| Applicable Tube Material | Polyurethane and Nylon | |

Structural Diagram



Product Code System

SPC O6-O1

(1) (2) (3)

① Type

② Tube Dia(ØD)

| | | | | | |
|------|----|----|----|-----|-----|
| Code | 04 | 06 | 08 | 10 | 12 |
| Dia | Ø4 | Ø6 | Ø8 | Ø10 | Ø12 |

③ Thread Size(T)

| | | | | | | |
|------|-------------|--------|-------------------|------|------|------|
| | Metric Size | | Taper Pipe Thread | | | |
| Code | M5 | M6 | 01 | 02 | 03 | 04 |
| Size | M5×0.8 | M6×1.0 | R1/8 | R1/4 | R3/8 | R1/2 |

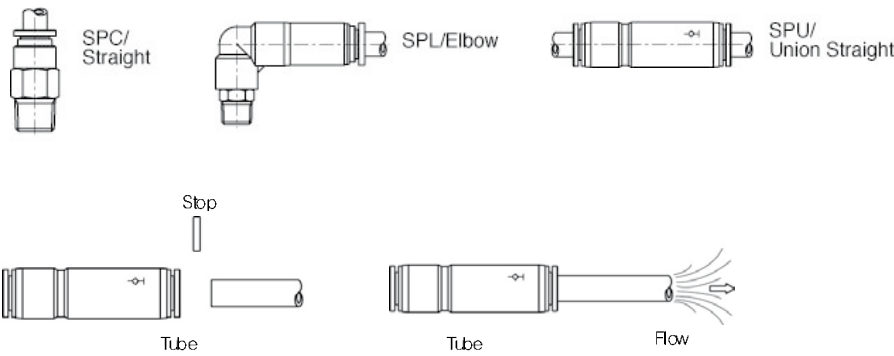
Stop Fittings



Fitting with G Thread (O-Ring)



Control Method



CHECK VALVES

Application

- Check Valves permit airflow in one direction.
- Used for maintaining the output pressure at a constant level.

Feature

- The check valves permit the airflow in one direction but stops in the reverse direction.
- The check valve works at the pressure of 0.1kgf/cm², keeps 1.42 PSI in vacuum and connects at a low pressure.

Specification

| | | |
|--------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140 ° F | 0~60 ° C |
| Applicable Tube Material | Polyurethane and Nylon | |

Product Code System

PCVC O6-O1 A

(1) (2) (3) (4) (5)

① Type






② Tube Dia(ØD)

| | | | | | |
|------|----|----|----|-----|-----|
| Code | 04 | 06 | 08 | 10 | 12 |
| Dia | Ø4 | Ø6 | Ø8 | Ø10 | Ø12 |

③ Thread Size(T)

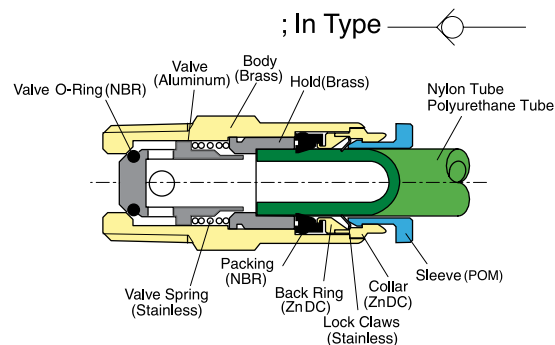
| | Metric Size | | Taper Pipe Thread | | | |
|------|-------------|----------|-------------------|------|------|------|
| Code | M5 | M6 | 01 | 02 | 03 | 04 |
| Size | M5 × 0.8 | M6 × 1.0 | R1/8 | R1/4 | R3/8 | R1/2 |

④Control Method

| Type | Meter IN | Meter OUT |
|----------|---|---|
| Air Flow | Thread to Tube | Tube to Thread |
| PCVC |  |  |
| PCVF |  |  |
| PCVU |  | In case of PCVU model, you should pipe according to signal of the body. |

⑤U : Hexagon flat-to-flat inch specification.(NPT)

Structural Diagram



Check Valves

PCVC



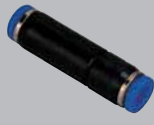
Straight

PCVF



Bush

PCVU



Union Straight

Fitting with G Thread (O-Ring)

PCVC-G



Straight

PCVF-G



Bush

BALL VALVES

Application

- Used for controlling air supply in the opened and closed positions.

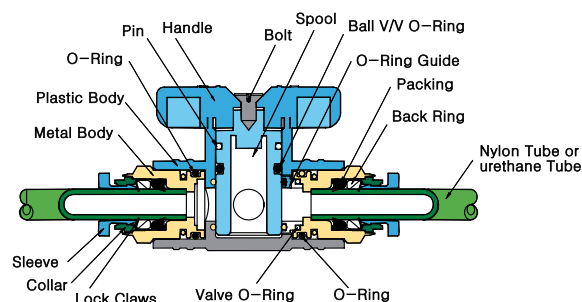
Feature

- Available for water as well as air with PPS resin body.
- The sectional dimension of the compact body optimizes as much flow as the tube capacity in proportion.

Specification

| Fluid | Air & Water | |
|--------------------------|------------------------|-----------------------------------|
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140 ° F | 0~60 ° C |
| Applicable Tube Material | Polyurethane and Nylon | |

Structural Diagram



Product Code System

BC 20 - O8 02

① ② ③ ④

① Type

② Effective Sectional Area

| | Metric Size | |
|------|--------------------|--------------------|
| Code | 20 | 60 |
| Size | 20 mm ² | 60 mm ² |

③ Tube Dia(ØD)

| | | | | |
|------|----|----|-----|-----|
| Code | 06 | 08 | 10 | 12 |
| Dia | Ø6 | Ø8 | Ø10 | Ø12 |

④ Thread Size(T)

| | Taper Pipe Thread | | | |
|------|-------------------|------|------|------|
| Code | 01 | 02 | 03 | 04 |
| Size | R1/8 | R1/4 | R3/8 | R1/2 |

Ball Valves

BUC



Union

BUG



Reducing Union

BM



Bulkhead Union

BL



Elbow

BC



Straight

BUL



Union Elbow

BLG



Reducing Union Elbow

BLM



Bulkhead Union Elbow

Fitting with G Thread (O-Ring)

BL-G



Elbow

BC-G



Straight

HAND VALVES

Application

- Used for turning air pressure on and off for pneumatic devices.

Feature

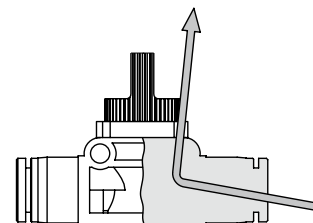
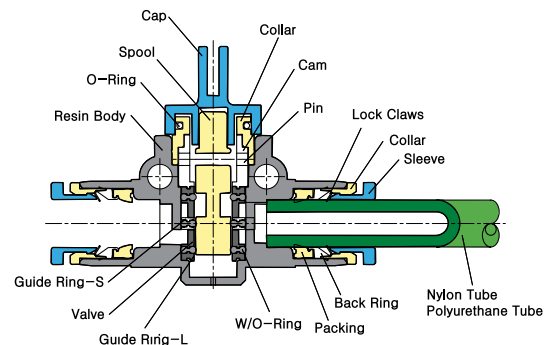
- When off, the three-way direction control valve discharges the residual pressure and blocks air flow-in.

Specification

| | | |
|--------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140 ° F | 0~60 ° C |
| Applicable Tube Material | Polyurethane and Nylon | |



Structural Diagram



► 3 Way Direction, 2 Way Direction

- The three-way direction control valve, when the air is stopped, discharges residual pressure to the outlet, which assures safety in repairing or adjusting connected devices.
- The two-way direction control valve does not discharge residual pressure, and is suitable for a reservoir tank or other device that does not require a discharging residual pressure.
- The two-way direction control valve is also suitable for the system where a vacuum pipe is used.

Product Code System

HVFS 06 - 01

- ① Type ② ③





② Tube Dia(ØD)

| | | | | |
|------|----|----|-----|-----|
| Code | 06 | 08 | 10 | 12 |
| Dia | Ø6 | Ø8 | Ø10 | Ø12 |

③ Thread Size(T)

| | | | | |
|------|-------------------|------|------|------|
| | Taper Pipe Thread | | | |
| Code | 01 | 02 | 03 | 04 |
| Size | R1/8 | R1/4 | R3/8 | R1/2 |

Hand Valves

| | | | |
|--|---|--|---|
| HVSS  Nipple | HVFS  Straight Fitting Thread | HVFF  Union Straight | HVSF  Straight Thread-Fitting |
|--|---|--|---|

Fitting with G Thread (O-Ring)

| | | |
|--|---|---|
| HVSS-G  Nipple | HVFS-G  Straight Fitting Thread | HVSF-G  Straight Thread-Fitting |
|--|---|---|

TWO-TOUCH FITTING AND SILENCERS

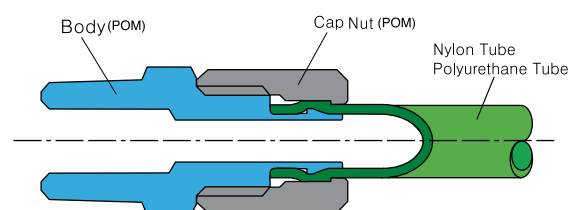
Application

- Nut-tightened air connector used for pneumatic piping.

Feature

- Effective use at the place of vibration or rocking.
- Long life-span made of plastic.
- Excellent in anti-corrosion and anti-chemicals.

Structural Diagram



Specification

| | | |
|--------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140° F | 0~60° C |
| Applicable Tube Material | Polyurethane and Nylon | |



Product Code System

TC 04 - 01

① ② ③

① Type

| Code | Metric Size | | | | |
|------|-------------|-------|-------|----------|-------|
| | TC | TL | TUT | THT | THL |
| Type | STRAIGHT | ELBOW | UNION | TEE | ELBOW |
| | | | | ROTATION | |

② Tube Dia(ØD)


| Code | 04 | 06 | 08 | 10 | 12 |
|------|-----------|---------|-----------|------------|----------|
| Dia | Ø4 × Ø2.5 | Ø6 × Ø4 | Ø8 × Ø6.5 | Ø10 × Ø6.5 | Ø12 × Ø8 |

③ Thread Size(T)

| Code | Thread Size | | | |
|------|-------------|------|------|------|
| | 01 | 02 | 03 | 04 |
| Size | R1/8 | R1/4 | R3/8 | R1/2 |

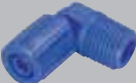
Two -Touch Fitting

TC



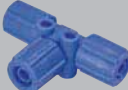
Straight

TL




Elbow

TUT




Union Tee

THT(D1)




Single Universal Tee

THT(D2)




Double Universal Tee

THT(D3)




Triple Universal Tee

THL(D1)




Single Universal Elbow

THL(D2)




Double Universal Elbow

THL(D3)



Triple Universal Elbow

Silencers



Product Code System

ST 01

① ②

① Type

② Thread Size

| Thread | Size | Metric Thread | Tape Pipe Thread | | | |
|--------|------|---------------|------------------|------|------|------|
| Code | | M5 | 01 | 02 | 03 | 04 |
| Size | | M5 | R1/8 | R1/4 | R3/8 | R1/2 |

TUBE CUTTER

Application

- Safe, efficient, accurate tool for cutting tubing.

Specification

| | |
|-------------------|-----------------------------|
| Available Tube | Polyuerthane and Nylon |
| Cutting Outer Dia | Ø3.0 ~ Ø12.0 |
| Material | Polyacetal, Stainless steel |
| Standard Color | Blue |

Product Code System

| TC (TUBE CUTTER) | | |
|------------------|---------|--------------|
| MODEL | W.G (g) | Q' ty/In-Box |
| Tube Cutter | 30.5 | 24 |



AIR GUN

Application

- Used for installation on machines for cleaning debris and particles, best in confined space.

Feature

- Various size of nozzle makes it easy to clean the machines and the equipment.
- Easy control of airflow volume.

Specification

| | | |
|------------------------|--------------------------------|-------------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 15~150PSI | 1~9.9Kgf/cm ² (0~990kPa) |
| Temperature Range | 32~140 ° F | 0~60 ° C |

Product Code System

AG - 08 - 02 - S - B

① ② ③ ④ ⑤

① Type

② Tube Dia(ØD)

| | Metric Size | |
|------|-------------|-----|
| Code | 08 | 10 |
| Dia | Ø8 | Ø10 |

③ Thread Size (Rc)

| | Metric Size | |
|------|-------------|-------|
| Code | 02 | 03 |
| Dia | Rc1/4 | Rc3/8 |

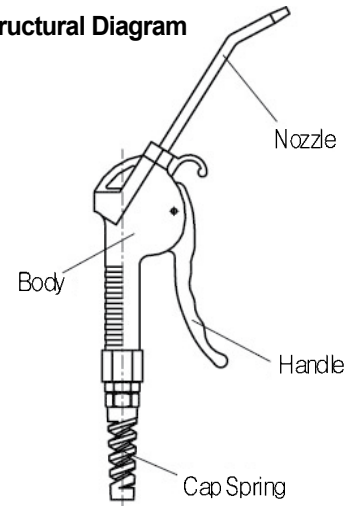
④ Nozzle Size

| | Metric Size | | | | | |
|------|-------------|--------|------|----------------|--------|------|
| | Nozzle | | | Nozzle-Coupler | | |
| Type | S | M | L | SP | MP | LP |
| Size | Short | Medium | Long | Short | Medium | Long |

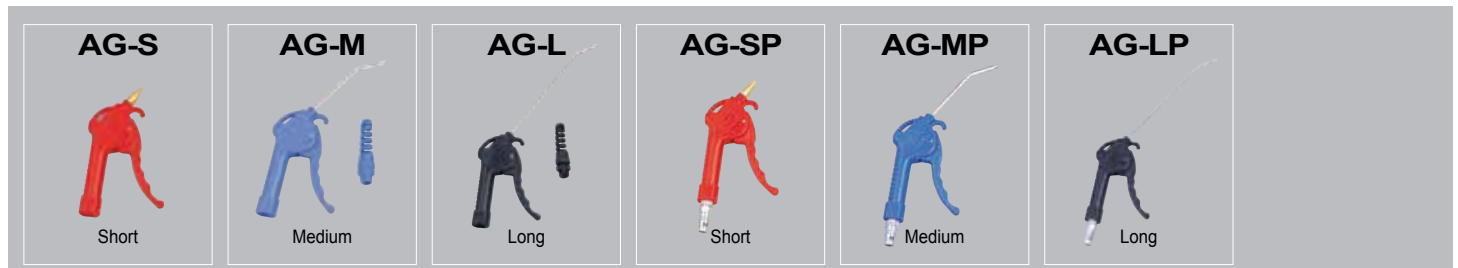
⑤ Color

| | | |
|-------|-----|------|
| B | R | BU |
| Black | Red | Blue |

Structural Diagram



Air Gun



Case In Use

Convenient to clean dangerous parts and to remove foreign substances from the machine(CNC LATHE, AUTOMATIC LATHE, CATAPLUT and PRESS)

POLYURETHANE TUBE

Application

- Used for industrial robots and pneumatic piping.
- Used for various applications by functions.

Feature

- Higher flexibility than nylon(PA) helps working achievement.
- Higher flexibility in low temperature.

Specification

| | | |
|------------------------|--------------------------------|-----------------------------------|
| Fluid | Air(No other gases or liquids) | |
| Working Pressure Range | 0~150PSI | 0~9Kgf/cm ² (0~900kPa) |
| Negative Pressure | -29.50 in Hg | -750mmHg(10Torr) |
| Temperature Range | 32~140 ° F | -15~60 °C |

Product Code System

U - 08 - 50 - B

① ② ③ ④

UC - 08 - 50 - 05-Y

① ② ③ ⑤ ④

① Type

②③ Tube Dia(ØD)

| | Metric Size | | | | | | | | |
|-----------|-------------|------|------|------|------|------|------|------|------|
| Code | 0320 | 0420 | 0425 | 0640 | 0850 | 0855 | 1065 | 1290 | 1611 |
| Outer Dia | Ø3 | Ø4 | Ø4 | Ø6 | Ø8 | Ø8 | Ø10 | Ø12 | Ø16 |
| Inner Dia | Ø2 | Ø2 | Ø2.5 | Ø4 | Ø5 | Ø5.5 | Ø6.5 | Ø9 | Ø11 |

| | Inch Size | | | | | | | | |
|-----------|-----------|-------|-------|------|-------|------|------|------|--|
| Code | 1/8 | 5/32 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | |
| Outer Dia | Ø1/8 | Ø5/32 | Ø3/16 | Ø1/4 | Ø5/16 | Ø3/8 | Ø1/2 | Ø5/8 | |

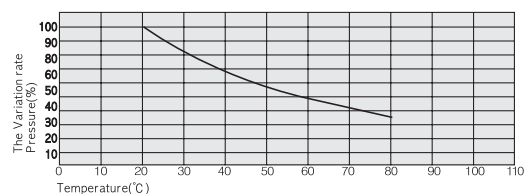
④ Color

| | C | BK | R | Bu | Y | G | W | O |
|-------|-------|-------|-----|------|--------|-------|-------|--------|
| Color | Clear | Black | Red | Blue | Yellow | Green | White | Orange |

⑤ Length(m)

Working Pressure

- Temperature limits of tube : -40°C ~80°C
- Normal Pressure : Control normal pressure within 1/3 of tube burst pressure.



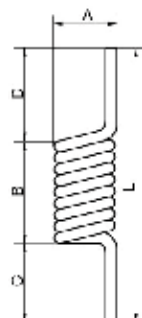
U



MODEL [OUT-IN]

| Metric Size | | |
|-------------|---------|---------|
| MODEL | O.D(mm) | I.D(mm) |
| U-03020 | 3 | 2 |
| U-04025 | 4 | 2.5 |
| U-06040 | 6 | 4 |
| U-08050 | 8 | 5 |
| U-08055 | 8 | 5.5 |
| U-10065 | 10 | 6.5 |
| U-12090 | 12 | 9 |
| U-16110 | 16 | 11 |

UC



MODEL [OUT-Length]

| Metric Size | | | |
|-------------|---------|---------|-----------|
| MODEL | O.D(mm) | I.D(mm) | Length(m) |
| UC-0402-15 | 4 | 2 | 1.5 |
| UC-0402-30 | 4 | 2 | 3 |
| UC-0402-45 | 4 | 2 | 4.5 |
| UC-0604-15 | 6 | 4 | 1.5 |
| UC-0604-30 | 6 | 4 | 3 |
| UC-0604-45 | 6 | 4 | 4.5 |
| UC-0805-35 | 8 | 5 | 3.5 |
| UC-0805-50 | 8 | 5 | 5 |
| UC-0805-75 | 8 | 5 | 7.5 |
| UC-0805-100 | 8 | 5 | 10 |
| UC-1065-35 | 10 | 6.5 | 3.5 |
| UC-1065-50 | 10 | 6.5 | 5 |
| UC-1065-75 | 10 | 6.5 | 7.5 |
| UC-1065-100 | 10 | 6.5 | 10 |
| UC-1208-35 | 12 | 8 | 3.5 |
| UC-1208-50 | 12 | 8 | 5 |
| UC-1208-75 | 12 | 8 | 7.5 |
| UC-1208-100 | 12 | 8 | 10 |

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