

Automation
Simplified...



- Solenoid Valve
- Angle Seat Valve
- Rotary Coupling
- Pneumatic Directional Control Valve
- Actuator
- Cylinder
- One Touch Fitting
- Ball Valve
- Butterfly Valve

Country of Origin - INDIA



Specifications

| | |
|---|---|
| Media : | Air |
| Max. operating pressure : | 10 Bar |
| Ambient temperature : | -10°C to +60°C |
| Threaded connection : | Male : R - Taper thread, Female : G - Parallel thread |
| Media temperature : | +5°C to +50°C |
| Applicable tube material : | Nylon, Polyurethane |
| Applicable tube size (OD) : | Ø4, Ø6, Ø8, Ø10, Ø12, Ø14, Ø16 |
| Recommended tolerance for tube OD : | ±0.1 mm |
| Recommended minimum wall thickness of tubes : | |

| Nylon | | PU | |
|--------------|----------------|--------------|----------------|
| Tube OD (mm) | Thickness (mm) | Tube OD (mm) | Thickness (mm) |
| Ø4 | 1 | Ø4 | 1 |
| Ø6 | | Ø6 | 1 |
| Ø8 | | Ø8 | 1.5 |
| Ø10 | | Ø10 | 1.5 |
| Ø12 | | Ø12 | 2 |
| Ø14 | | Ø14 | 2 |
| Ø16 | | Ø16 | 2.5 |

Features

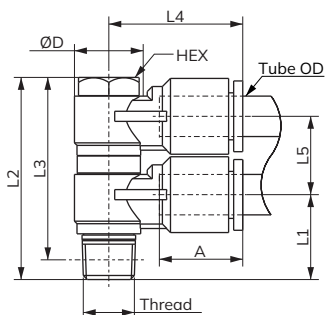
- ✓ Compact & Captivating Design
- ✓ All Threaded nipples has plastic portion that is capable of rotating 360°
- ✓ Full bore piping enables smooth flow of fluids.
- ✓ New Design SS collet
- ✓ Air tight sealing of tubes
- ✓ Compatible with both Nylon & PU pipes
- ✓ Male Taper threads with PTFE coating
- ✓ Durable & Maintenance free
- ✓ Robust collet design lets the fitment & function remains unaffected even due to vibration.
- ✓ Simple & fast connection of tube just by plugging-in manually and similarly smooth way of pulling-out just by the press of plastic collet cap.

Application

One-touch fitting can be effectively used in all compressed air applications
Some of the pneumatic application include

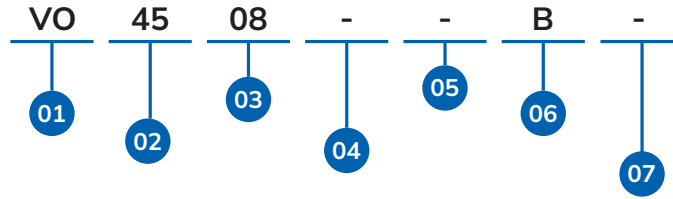
- ✓ Pneumatic cylinders (all types)
- ✓ All compressed air lines, machinery of all kinds wherever pneumatic systems are used
- ✓ Directional control valves(DCV), solenoid valves(SOV) and other valves
- ✓ Pneumatic control & circuit panels
- ✓ Air preparation units like filter, regulator and lubricators(FRL)

Double Swivel



| Model No. | Tube OD | Thread | HEX | ØD | L1 | L2 | L3 | L4 | L5 | A |
|-----------|---------|--------|-----|------|------|------|------|------|------|------|
| VO-4504B | 4 | R1/8 | 12 | 13.5 | 15 | 40 | 36.5 | 22 | 15.5 | 14.5 |
| VO-4506B | 6 | R1/8 | 12 | 13.5 | 15.5 | 40 | 36.5 | 23 | 15.5 | 15.5 |
| VO-4506C | | R1/4 | 14 | 18 | 20 | 50 | 44.5 | 25 | 19.4 | 15.5 |
| VO-4508B | 8 | R1/8 | 12 | 13.5 | 17.5 | 40 | 36.5 | 27 | 15.5 | 17 |
| VO-4508C | | R1/4 | 14 | 18 | 20.5 | 50 | 44.5 | 27.5 | 19.4 | 17 |
| VO-4508D | | R3/8 | 19 | 22 | 23 | 58.5 | 52.5 | 29.5 | 21.6 | 17 |
| VO-4508E | | R1/2 | 24 | 28 | 26.5 | 63.5 | 56 | 32.5 | 21.5 | 17 |
| VO-4510C | 10 | R1/4 | 14 | 18 | 22.5 | 50 | 44.5 | 32.5 | 19.4 | 20 |
| VO-4510D | | R3/8 | 19 | 22 | 24 | 58.5 | 52.5 | 34.5 | 21.6 | 20 |
| VO-4510E | | R1/2 | 24 | 28 | 27.5 | 56 | 56 | 36.5 | 21.5 | 20 |
| VO-4512D | 12 | R3/8 | 19 | 22 | 25 | 52.5 | 52.5 | 36 | 21.6 | 20.5 |
| VO-4512E | | R1/2 | 24 | 28 | 28.5 | 56 | 56 | 37.5 | 21.5 | 20.5 |

VO - SERIES ONE TOUCH FITTINGS MODEL IDENTIFICATION CHART



| 01 | SERIES |
|----|--------|
| - | VO |

| 04 | APPLICABLE TUBING OD |
|----|----------------------|
| - | BLANK |
| 04 | TO Ø04MM |
| 06 | TO Ø06MM |
| 08 | TO Ø08MM |
| 10 | TO Ø10MM |
| 12 | TO Ø12MM |
| 14 | TO Ø14MM |
| 16 | TO Ø16MM |

| 05 | APPLICABLE TUBING OD |
|----|----------------------|
| - | BLANK |
| 04 | TO Ø04MM |
| 06 | TO Ø06MM |
| 08 | TO Ø08MM |
| 10 | TO Ø10MM |
| 12 | TO Ø12MM |
| 14 | TO Ø14MM |
| 16 | TO Ø16MM |

| 02 | PRODUCT TYPE | |
|----|-------------------------------|---|
| 21 | Straight Union | 38 Male Run Tee |
| 22 | Different Dia. Straight Union | 39 Female Run Tee |
| 23 | Union Elbow | 40 Male Branch 'Y' |
| 24 | Union Elbow Reducer | 41 Male Connector (Internal Hexagon Socket) |
| 25 | Union Tee | 42 Single Swivel (Internal Hexagon Socket) |
| 26 | Union Tee Reducer | 43 Single Swivel (Slotted Head) |
| 27 | Union 'Y' | 44 Single Swivel (Hexagon Head) |
| 28 | Union 'Y' Reducer | 45 Double Swivel |
| 29 | Bulk Head Union | 46 Triple Swivel |
| 30 | Male Connector | 47 Multi Distributor Union |
| 31 | Bulk Head Female Connector | 48 Multi Distributor Male |
| 32 | Female Connector | 49 Cross Union |
| 33 | Male Elbow | 50 Plug |
| 34 | Extended Male Elbow | 53 Self Sealing |
| 35 | Female Elbow | 54 Male Straight |
| 36 | Male Branch Tee | 56 Double Branch Male Elbow |
| 37 | Female Branch Tee | |

| 06 | THREAD | |
|----|-----------|----------------------|
| - | BLANK | K 1" BSP |
| A | M5X0.8 | L 1/8" NPT |
| B | 1/8" BSPT | M 1/4" NPT |
| C | 1/4" BSPT | N 3/8" NPT |
| D | 3/8" BSPT | O 1/2" NPT |
| E | 1/2" BSPT | P 1/2" BSW (8 ANI) |
| F | 1/8" BSP | Q 3/4" NPT |
| G | 1/4" BSP | S M6X1 |
| I | 3/8" BSP | T M12X1.5 |
| J | 1/2" BSP | U 3/4" BSPT |

| 03 | APPLICABLE TUBING OD |
|----|---------------------------------|
| 04 | With Applicable Tubing Od Ø04mm |
| 06 | With Applicable Tubing Od Ø06mm |
| 08 | With Applicable Tubing Od Ø08mm |
| 10 | With Applicable Tubing Od Ø10mm |
| 12 | With Applicable Tubing Od Ø12mm |
| 14 | With Applicable Tubing Od Ø14mm |
| 16 | With Applicable Tubing Od Ø16mm |

| 07 | CONFIGURATION |
|----|---------------|
| - | REGULAR |
| C1 | CONFIG 1 |
| C2 | CONFIG 2 |
| C3 | CONFIG 3 |
| ⋮ | ⋮ |
| C9 | CONFIG 9 |
| CA | CONFIG 10 |
| CB | CONFIG 11 |

| 08 | VERSION |
|----|------------|
| - | VERSION 0 |
| V1 | VERSION 1 |
| V2 | VERSION 2 |
| V3 | VERSION 3 |
| ⋮ | ⋮ |
| V9 | VERSION 9 |
| VA | VERSION 10 |
| VB | VERSION 11 |

Global Presence...



Made In India



CONTACT US:

For Domestic Inquiry

✉ sales@uflowvalve.com 📞 +91 85110 98822 🌐 www.uflowvalve.com

For Export Inquiry

✉ export@uflowvalve.com 📞 +91 99744 77370 📞 +91 78018 09550

📍 Uflow Automation, Ankur Industrial Complex, Survey No: 275/276, Plot No: 31, Nr. Intol Cast Pvt. Ltd. Shapar(Veraval) Dist.: Gujarat (India) - 360 024.