

50AC Series

1/4" Flow Size - Advanced Plastic Latch

Durable Plastic Thumb-Latch Design Couplings

Nordson MEDICAL's LinkTech line of 50AC quick connect couplings are produced in a durable natural acetal (POM) thermoplastic. These couplings are resistant to most mild chemicals and are manufactured to be trouble free for many years of service. They feature a more durable plastic thumb-latch design. They are available with internal shut-off valves or straight through designs. They are intuitive to use and make an audible "click" when coupled. The 50AC Series couplings interconnect with all other 50BAC, 50PP and 50GP Series couplings as well as other similar industry thumb-latch type couplings.



Features & Benefits

- Advanced plastic thumb-latch couplings available with hose barb, PTF, push-in and threaded terminations
- Resistant to most mild chemicals
- Intuitive, easy-to-use design
- Audible click when coupled
- Available with internal shut-off valves or straight-through designs
- Interconnect with each other and with similar industry thumb-latch couplings

Specifications

- **Materials:**
 - Bodies & Terminations: Acetal (POM)
 - Internal Valves: Acetal (POM)
 - Internal Valve Springs: 316 Stainless Steel
 - O-rings: Buna-N (others available)
 - Thumb-latch: Acetal (POM)
 - Latch Spring: Stainless Steel
- **Performance Ratings:**
 - Operating Pressure: Vacuum to 120psi; (8.3bar)
 - Temperature: -40°F to 180°F; (-40°C to 82°C)
 - Flow Capacity: 1/4" (6.4 mm)
 - Fits Tubing IDs: 1/4" (6.4 mm) - 3/8" (9.5 mm)

50AC Series

1/4" Flow Size - Advanced Plastic Latch

Part Style

Part Image

Open Flow Straight

1/4" (6.4 mm) tube ID & threaded
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID & threaded
Female and Male



Open Flow Panel Mount

1/4" (6.4 mm) tube ID
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID
Female ONLY



Open Flow Elbow

1/4" (6.4 mm) tube ID
3/8" (9.5 mm) tube ID
Male ONLY



Valved Straight

1/4" (6.4 mm) tube ID & threaded
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID & threaded
Female and Male



Valved Panel Mount

1/4" (6.4 mm) tube ID
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID
Female ONLY



Valved Elbow

1/4" (6.4 mm) tube ID
3/8" (9.5 mm) tube ID
Male ONLY



MAR-50AC-DS-01

50BAC Series

1/4" Flow Size - Advanced Plastic Latch

Innovative Patented Breakaway Couplings Improving Safety

Nordson MEDICAL's LinkTech line of 50BAC quick connect patented breakaway couplings improve safety by allowing users to make a fast and leakfree disconnect with a simple pull of the coupling. The 50BAC Series couplings utilize a new patented design that facilitates two methods of disconnects. These innovation couplings are designed to disconnect when pull force is applied to the coupling or the user can simple depress the thumb-latch. Nordson MEDICAL's unique 50BAC couplings interconnect with all standard 50AC, 50PP and 50GP plugs allowing for reverse field compatibility.



Features & Benefits

- Advanced plastic thumb-latch couplings available with hose barb, PTF and threaded terminations
- Resistant to most mild chemicals
- Intuitive, easy-to-use design
- Audible click when coupled
- Available with internal shut-off valves or straight-through designs
- Interconnect with each other and with similar industry thumb-latch couplings

Specifications

- **Materials:**
 - Bodies & Terminations: Acetal (POM)
 - Internal Valves: Acetal (POM)
 - Internal Valve Springs: 316 Stainless Steel
 - O-rings: Buna-N (others available)
 - Thumb-latch: Acetal (POM)
 - Latch Spring: Stainless Steel
- **Performance Ratings:**
 - Operating Pressure: up to 20psi; (1.4bar)
 - Temperature: -40°F to 180°F; (-40°C to 82°C)
 - Flow Capacity: 1/4" (6.4 mm)
 - Fits Tubing IDs: 1/4" (6.4 mm) - 3/8" (9.5 mm)

50BAC Series

1/4" Flow Size - Advanced Plastic Latch

Part Style

Female Part Image

Open Flow Straight

1/4" (6.4 mm) tube ID & threaded
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID & threaded



Open Flow Panel Mount

1/4" (6.4 mm) tube ID
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID



Valved Straight

1/4" (6.4 mm) tube ID & threaded
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID & threaded



Valved Panel Mount

1/4" (6.4 mm) tube ID
5/16" (7.9 mm) tube ID
3/8" (9.5 mm) tube ID



MAR-50BAC-DS-01

50GP Series

1/4" Flow Size - Advanced Plastic Latch

High Performance Chemical Transfer Couplings

Nordson MEDICAL's LinkTech line of 50GP quick connect couplings are manufactured from a high performance glass filled polypropylene. With excellent chemical resistance properties, these couplings are well suited for applications in acid and chemical transfer. All 50GP couplings interconnect with the 50AC, 50PP and 50BAC Series product range.



Features & Benefits

- Advanced plastic thumb-latch couplings available with hose barb and threaded terminations
- Well suited for acid and chemical-transfer applications
- Intuitive, easy-to-use design
- Audible click when coupled
- Available with internal shut-off valves or straight-through designs
- Interconnect with each other and with similar industry thumb-latch couplings

Specifications

- **Materials:**
 - Bodies & Terminations: Glass Filled Polypropylene
 - Internal Valves: Acetal (POM)
 - Springs: Stainless Steel
 - O-rings: Food Grade EPDM (others available)
 - Thumb-latch: Acetal (POM)
- **Performance Ratings:**
 - Operating Pressure: Vacuum to 120psi; (8.3bar)
 - Temperature: -32°F to 160°F; (0°C to 71°C)
 - Flow Capacity: 1/4" (3.2 mm)
 - Fits Tubing IDs: 1/4" (6.4 mm) - 3/8" (9.5 mm)

50GP Series

1/4" Flow Size - Advanced Plastic Latch

Part Style

Part Image

Female Open Flow Straight

1/4" (6.4 mm) tube ID & threaded
3/8" (9.5 mm) tube ID



Male Open Flow Straight

1/4" (6.4 mm) tube ID & threaded
3/8" (9.5 mm) tube ID



Female Open Flow Elbow

3/8" (9.5 mm) tube ID



Male Open Flow Elbow

3/8" (9.5 mm) tube ID



Female Valved Straight

3/8" (9.5 mm) tube ID



MAR-50GP-DS-01

50PP Series

1/4" Flow Size - Advanced Plastic Latch

Greater Chemical Resistance, Medical Grade Couplings

Nordson MEDICAL's LinkTech line of 50PP quick connect couplings are produced from medical grade, gamma sterilizable polypropylene. These advanced plastic latch couplings offer greater chemical resistance. They are available with internal shut-off valves or straight through designs. They are intuitive to use and make an audible "click" when coupled. These couplings are available in a standard Modern Cool Grey color. The 50PP Series couplings interconnect with all other 50AC, 50BAC and 50GP Series couplings as well as other similar industry thumb-latch type couplings.



Features & Benefits

- Advanced plastic thumb-latch couplings available with hose barb and threaded terminations
- Offer greater chemical resistance
- Intuitive, easy-to-use design
- Audible click when coupled
- Available with internal shut-off valves or straight-through designs
- Interconnect with each other and with similar industry thumb-latch couplings

Specifications

- **Materials:**
 - Bodies & Terminations: Medical Grade Polypropylene
 - Internal Valves: Medical Grade Polypropylene
 - Internal Valve Springs: 316 Stainless Steel
 - Latch Spring: Stainless Steel
 - O-rings: Peroxide-cured EPDM (others available)
 - Thumb-latch: Medical Grade Polypropylene
- **Performance Ratings:**
 - Operating Pressure: Vacuum to 100psi; (7.2bar)
 - Temperature: 32°F to 160°F; (0°C to 71°C)
 - Flow Capacity: 1/4" (3.2 mm)
 - Fits Tubing IDs: 1/4" (6.4 mm) - 3/8" (9.5 mm)
 - Sterilization: Gamma; 50kGy irradiation max

50PP Series

1/4" Flow Size - Advanced Plastic Latch

Part Style

Part Image

Male Open Flow Straight

1/4" (6.4 mm) tube ID & threaded
3/8" (9.5 mm) tube ID



Male Open Flow Elbow

1/4" (6.4 mm) tube ID
3/8" (9.5 mm) tube ID



Valved Straight

1/4" (6.4 mm) tube ID & threaded
3/8" (9.5 mm) tube ID
Female and Male



Female Valved Panel Mount

1/4" (6.4 mm) tube ID
3/8" (9.5 mm) tube ID



Male Valved Elbow

1/4" (6.4 mm) tube ID
3/8" (9.5 mm) tube ID



MAR-50PP-DS-01