

Connectors of Choice for Single-Use Bioprocesses

SF Series sanitary fittings from Nordson MEDICAL are designed for use in single-use container fluid transport systems, manifolds and wherever sensitive fluids must be transferred. They are offered in two flange sizes, 1-1/2" ("Maxi"), and the popular 3/4" ("Mini") size commonly used with small tubing sizes, both work with flanges made to ASME-BPE specifications. SF Series sanitary fittings incorporate 600 Series barbs for easy use with silicone, C-Flex® or Tygon® tubing. Each fitting comes individually bagged.



Features & Benefits

- Animal-free materials
- Radiused flow surfaces
- "Mini" & "Maxi" sizes
- No Particulate build-up
- No BSE documentation required
- Smooth uninterrupted flow
- Easy to retrofit current operations
- Works with commercially available clamps
- Interior surface controlled to 15 Ra microinch

Specifications

- **Materials:**
Animal Free Polypropylene, Natural PVDF
- **Tubing Sizes:**
1/4", 3/8", 1/2", 3/4", 1"
- **Leak Resistance:**
Tested at 80 psi air under water for 90 seconds with no leaks
- **Tubing Removal Force:**
1/4" PP with C-Flex shore tubing: 21 lbs.
1/2" PP with C-Flex shore A tubing: 89 lbs.
1" PP with C-Flex shore A tubing: 121 lbs.
- **Interior Surface Finish:**
15 Ra Microinch

Tygon and C-Flex are registered trademarks of Saint-Gobain Performance Plastics.

SF Series

Sanitary Fittings

Economical, high flow single-use fittings featuring animal-free materials in mini and maxi sizes.



SFMN655

Mini Flange to 600 Series Barb
1/4" (6.4 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMN670

Mini Flange to 600 Series Barb
3/8" (9.5 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMN680

Mini Flange to 600 Series Barb
1/2" (12.7 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMN6100

Mini Flange to 600 Series Barb
3/4" (19.0 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMX655

Maxi Flange to 600 Series Barb
1/4" (6.4 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMX670

Maxi Flange to 600 Series Barb
3/8" (9.5 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMX680

Maxi Flange to 600 Series Barb
1/2" (12.7 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMX6100

Maxi Flange to 600 Series Barb
3/4" (19.0 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMX6110

Maxi Flange to 600 Series Barb
1.0" (25.4 mm) Tubing ID
Animal-Free Polypropylene
Natural PVDF



SFMNC

Mini Cap
Animal-Free Polypropylene
Natural PVDF



SFMXC

Maxi Cap
Animal-Free Polypropylene
Natural PVDF



GMN450

Molded Gasket for Mini Flange
Platinum-Cured Silicone



GMX455

Molded Gasket for Maxi Flange
Platinum-Cured Silicone

MAR-016

Compatible with Existing Instrumentation

SF Series Instrument Tees work well with existing pharmaceutical instrumentation and are available in 1/2" and 1" tubing IDs. Critical to a successful single-use implementation, the fittings work for pressure testing, fluid transfer, and filtration applications. The configuration is a standard 1.5" TC style interface on the instrument side and tee style for the fluid path. The fittings also utilize Nordson MEDICAL's popular 600 series barb, which is ideally suited for silicone and TPE tubing. Constructed of either Nordson MEDICAL's standard polyethylene resin or as demand warrants, RENOLIT SOLMED Granuflex 4301 resin, the instrument tees utilize materials found in many single-use bags being used around the world.



Features & Benefits

- Works with existing pharmaceutical instrumentation
- Single-use technology
- ASME BPE compliant interface on the instrument side
- Tee style for the fluid path
- 600 series barb
- Common industry materials

Specifications

- **Materials:**
Animal-free Polyethylene
RENOLIT SOLMED Granuflex 4301 resin
- **Tubing Sizes:**
1/2" and 1" tubing IDs
- **Configuration:**
1.5" TC style

A Quality Stainless Steel Alternative

SF Series Instrument Tees ship with an optional isolator that system integrators and assembly houses can heat seal into the TC side. Adding one of Nordson MEDICAL's end caps and a PharmaLok™ Easy-Open Clamp completes the assembly and makes it ready for sterilization and shipment to end user facilities.



SFMXT680

Tee Sanitary Fitting, Maxi Flange to 600 Series Barb, 1/2" (12.7 mm) Tubing ID, Value Pharma™ Resin, Granuflex Polyethylene



SFMXT6110

Tee Sanitary Fitting, Maxi Flange to 600 Series Barb, 1" (25.4 mm) Tubing ID, Value Pharma™ Resin, Granuflex Polyethylene

MAR-InstrumentTee-DS-01