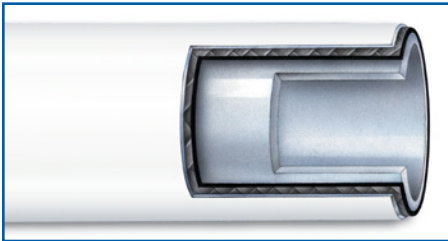


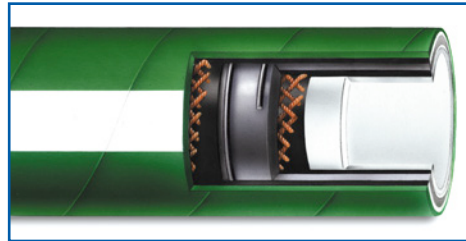
# SMOOTH BORE FEP/PFA/PTFE HOSE

Rubber Fab offers a full line of flexible smooth bore FEP, PFA and PTFE lined sanitary hoses for Pharmaceutical, Food and Beverage, and Industrial applications.

## NEW FROM RUBBER FAB



**RF-SF**  
**SUPREME-FLEX:** Smooth Bore PTFE with Silicone Outer Cover



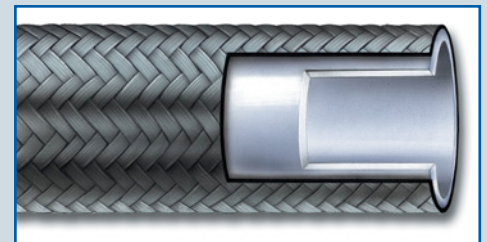
**RF-RTP**  
Smooth Bore Heavy Wall PTFE Lined EPDM Covered Hose



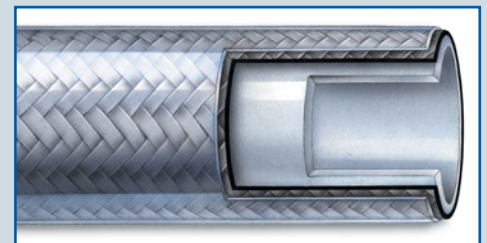
**RF-XF**  
**X-TREME FLEX:** Smooth Bore PFA Lined Hose with Stainless Steel Outer Braid



**RF-RT**  
Smooth Bore FEP Lined EPDM Covered Hose



**RF-ST / RF-STB**  
Smooth Bore PTFE or Black Conductive PTFE Lined Hose with Braided Stainless Steel Cover



**RF-STs / RF-STSB**  
Smooth Bore PTFE or Black Conductive PTFE Lined Hose with Braided Stainless Steel Outer and Silicone Cover

**RUBBER FAB**  
*technologies group*

[www.rubberfab.com](http://www.rubberfab.com)

## RF-RT – Smooth Bore FEP Lined EPDM Covered Hose

**TUBE:**

Seamless White FEP

**COVER:**

EPDM Rubber  
(Abrasion resistant and oil resistant)

**REINFORCEMENT:**

Fabric reinforced with dual wire helix

**TEMPERATURE:**

-40°F to 300°F

**AVAILABLE LENGTHS:**

100' coils  
3" and 4" available in 60' coils



Part Number	I.D.	O.D.	Working Pressure*	Vacuum (In. Hg)	Minimum Bend Radius
08RFRT	.500	.970	500 psi	29.9	2.5"
12RFRT	.750	1.27	500 psi	29.9	2.5"
16RFRT	1.00	1.48	400 psi	29.9	3.0"
24RFRT	1.50	2.04	350 psi	29.9	4.5"
32RFRT	2.00	2.54	300 psi	29.9	7.0"
40RFRT	2.50	3.04	200 psi	29.9	9.0"
48RFRT	3.00	3.82	200 psi	29.9	35.0"
64RFRT	4.00	4.92	150 psi	29.9	20.0"

\*at 68°F

Also available with White Outer Cover

## RF-RT

**RF-RT Meets**

- 3A Sanitary Standard
- USP Class VI
- FDA 21 CFR 17.1550
- FDA 21 CFR 17.2600
- USDA

**Features**

- Extremely flexible
- Excellent kink resistance
- Superior bend radius and shape retention
- Full vacuum service
- Cleanable by CIP and COP methods
- Resistant to ozone, chemical and abrasion

## RF-RTP

**Meets**

- 3A Sanitary Standard
- USP Class VI
- FDA 21 CFR 17.1550
- FDA 21 CFR 17.2600
- USDA

**Features**

- Heavy wall PTFE liner provides good permeation resistance compared to thinner lined FEP hoses
- Better stress crack resistance than FEP lined hoses
- Cleanable by CIP, SIP and COP methods
- Excellent kink resistance
- Superior bend radius and shape retention
- Full vacuum service
- Resistant to ozone, chemical and abrasion

**Applications**

- Pharmaceutical processing
- Chemical transfer
- Hot CIP solutions
- Distillery piping systems
- Fluid transfer
- Food and beverage
- Load cells
- Cosmetics

**Connections**

- Broad variety of fittings in 316L Stainless Steel
- PTFE encapsulated
- Kynar®/PVDF and other non-metallic materials
- Electropolished Stainless Steel fittings available
- Crimped fittings available in other high quality alloys

Kynar® is a registered trademark of Arkema Inc.

## RF-RTP – Smooth Bore Heavy Wall PTFE Lined EPDM Covered Hose

**TUBE:**

Heavy Wall Seamless PTFE

**COVER:**

EPDM Rubber  
(Abrasion resistant and oil resistant)

**REINFORCEMENT:**

Fabric reinforced with dual wire helix

**TEMPERATURE:**

-40°F to 300°F



Part Number	I.D.	O.D.	Working Pressure*	Vacuum @ 70°F	Minimum Bend Radius
08RFRTTP	.525	1.12	500 psi	29.9	3.0"
12RFRTTP	.775	1.38	500 psi	29.9	4.5"
16RFRTTP	1.02	1.65	400 psi	29.9	7.0"
24RFRTTP	1.51	2.15	350 psi	29.9	13.0"
32RFRTTP	2.01	2.67	300 psi	29.9	18.0"

\*at 68°F

## RF-XF – Smooth Bore PFA Lined Hose with Stainless Steel Outer Braid

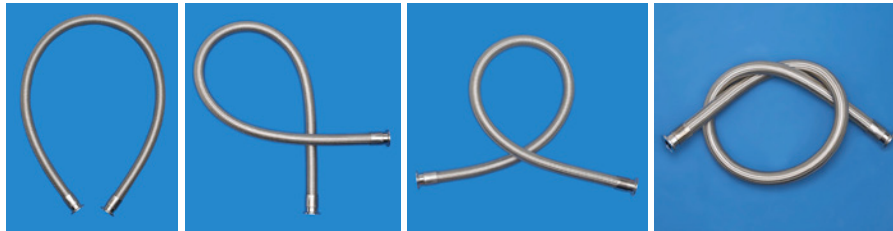


- TUBE:**  
Smoothbore PFA Tube
- REINFORCEMENT LAYERS:**  
1: Bonded Wire Braid  
2: Silicone  
3: Textile Braided Composite
- COVER:**  
Braided Stainless Steel (Standard)  
Braided Red Kynar® (Optional)†
- TEMPERATURE:**  
-65°F to 325°F

Part Number	I.D.	O.D.	Working Pressure*	Minimum Bend Radius
06RFXF	.375	.625	300 psi	2"
08RFXF	.500	.755	300 psi	2.5"
12RFXF	.750	1.04	250 psi	3"
16RFXF	1.00	1.29	250 psi	4"
24RFXF	1.50	1.85	200 psi	7"

\*at 68°F  
† Consult factory for Kynar® temperature ratings.  
Also Available: Silicone outer cover. Consult factory for details.

**RF-XF IS:  
X-TREME  
FLEX**



## RF-XF

### Approvals

- 3A Sanitary Standard
- FDA 21 CFR 177.1550
- U.S.P. Class VI

### Features

- Smoothbore PFA Fluoropolymer lined hose
- Superior Flexibility
- Superior Kink Resistance
- Half the minimum bend radius of conventional smoothbore products
- Full Vacuum Rated
- Autoclavable
- Steam Cleanable at stated temperature/pressure ratings
- Stainless Steel reinforced

### Applications

- Food & Beverage processing
- Chemical transfer
- Pharmaceutical processing
- Hot CIP solutions

## RF-SF

### Approvals

- 3A Sanitary Standard
- FDA 21 CFR 177.1550
- U.S.P. Class VI
- USDA

### Features

- High pressure rating
- Superior flexibility
- High temperature rating
- Excellent chemical resistance
- Autoclavable
- Full vacuum
- Hose will not impart taste or odor
- Silicone cover acts as insulator

### Applications

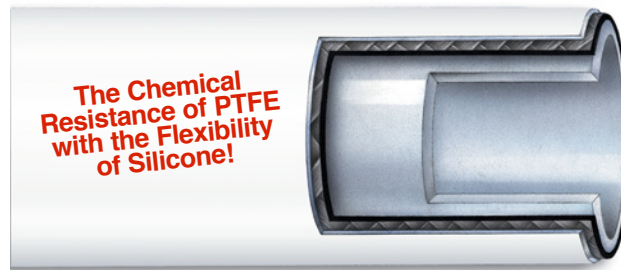
- Load cell
- CIP/SIP systems
- Bulk transfer
- Filling equipment
- Sampling systems
- Fermentation lines
- Food and beverage processing
- Chemical transfer
- Pharmaceutical processing

### Connections

- Broad variety of fittings in 316L Stainless Steel
- PTFE encapsulated
- Electropolished Stainless Steel fittings available
- Crimped fittings available in other high quality alloys

## RF-SF – Smooth Bore PTFE Lined Hose with Silicone Outer Cover

- TUBE:**  
Seamless White PTFE
- REINFORCEMENT:**  
304 Stainless Steel Braid
- COVER:**  
White Silicone
- TEMPERATURE:**  
-100°F to 500°F



Part Number	I.D.	O.D.	Working Pressure*	Burst Pressure*	Bend Radius	Vacuum*
04RFSF	.250	.490	3250 psi	13,000	1.5"	29.9
06RFSF	.375	.610	2500 psi	10,000	2"	29.9
08RFSF	.500	.760	2000 psi	8000	3"	29.9

\*at 68°F

**RF-SF IS:  
SUPREME-FLEX**



## RF-ST – Smooth Bore PTFE Lined Hose with Braided Stainless Steel Cover

**TUBE:**

Seamless White PTFE

**COVER:**

Braided Stainless Steel

**TEMPERATURE:**

-100°F to 450°F



Part Number	I.D.	O.D.	Working Pressure*	Minimum Bend Radius
04RFST	.250	.370	3000 psi	3.0"
06RFST	.375	.515	2000 psi	5.0"
08RFST	.500	.633	1425 psi	6.5"
12RFST	.750	.875	1000 psi	8.5"
16RFST	1.00	1.19	1000 psi	12.0"
24RFST	1.50	1.76	1000 psi	14.0"

\*at 68°F

**ALSO AVAILABLE:** **RF-STB** – Smooth Bore Black Conductive PTFE Lined Hose with Braided Stainless Steel Cover

## RF-STs – Smooth Bore PTFE Lined Hose with Braided Stainless Steel Outer and Silicone Cover

**TUBE:**

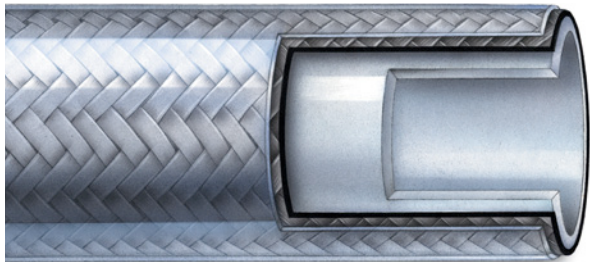
Seamless White PTFE

**COVER:**

Braided Stainless Steel and Silicone Outer Cover

**TEMPERATURE:**

-100°F to 450°F



Part Number	I.D.	O.D.	Working Pressure*	Minimum Bend Radius
04RFSTs	.250	.432	3000 psi	3.0"
06RFSTs	.375	.577	2000 psi	5.0"
08RFSTs	.500	.664	1425 psi	6.5"
12RFSTs	.750	.937	1000 psi	8.5"
16RFSTs	1.00	1.25	1000 psi	12.0"
24RFSTs	1.50	1.82	1000 psi	14.0"

\*at 68°F

**ALSO AVAILABLE:** **RF-STBS** – Smooth Bore Black Conductive PTFE Lined Hose with Braided Stainless Steel Outer and Silicone Cover

## RUBBER FAB OFFERS A FULL LINE OF: SANITARY FITTINGS, ADAPTERS AND GASKETS



## RF-ST RF-STs

**Meets**

- 3A Sanitary Standard
- USP Class VI
- FDA 21 CFR 17.1550

**Features**

- Non-stick contact surface will not contaminate product
- Withstands high velocity and pressure surges
- Autoclavable
- Available in bulk or fabricated assemblies
- Full vacuum

**Applications**

- Food processing
- Pharmaceutical processing
- Cosmetics
- Hot CIP solutions
- Chemical products
- Low pressure steam applications

**Connections**

- Broad variety of fittings in 316L Stainless Steel
- PTFE encapsulated
- Electropolished Stainless Steel fittings available
- Crimped fittings available in other high quality alloys

# RUBBER FAB *technologies group*

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Rubber Fab Technologies Group is a member of:

