

SaniGard® Rubber Hose Series

APPLICATIONS: FOOD, BEVERAGE, DAIRY, COSMETICS, PERSONAL HYGIENE

SaniGard® Protector® PSD Suction and Discharge Rubber Hose



FEATURES/BENEFITS

- Engineered to handle a wide variety of applications
- Rated for full suction and discharge service up to 150 psi
- Unique reinforced fabric spiral and wire helix design delivers exceptional flexibility

COLOR

- Gray or white with blue stripe

CONSTRUCTION

- Inner tube: white FDA butyl
- Cover: EPDM reinforced with two fabric spirals with helix wire

FITTINGS

- ReSeal® reusable or PermaSeal® permanent

TEMPERATURE RATING

- -40° to +225°F (continuous)
- +250°F (intermittent)

APPROVALS

- FDA, USDA, 3A, CFIA

HOSE SPECIFICATIONS

| Part Number | Inside Diameter (in.) | Outside Diameter (in.) | Max. Working Pressure (PSI) | Min. Bend Radius (in.) | Vacuum in HG | Weight (lb./ft.) |
|--------------------|-----------------------|------------------------|-----------------------------|------------------------|--------------|------------------|
| GRAY COVER | | | | | | |
| PSD050 | 1/2 | 1-1/32 | 150 | 2.0 | 29 | 0.40 |
| PSD075 | 3/4 | 1-8/32 | 150 | 3.0 | 29 | 0.56 |
| PSD100 | 1 | 1-17/32 | 150 | 4.0 | 29 | 0.65 |
| PSD150 | 1-1/2 | 2-5/32 | 150 | 6.0 | 29 | 1.07 |
| PSD200* | 2 | 2-21/32 | 150 | 7.0 | 29 | 1.43 |
| PSD250 | 2-1/2 | 3-6/32 | 150 | 8.0 | 29 | 2.08 |
| PSD300* | 3 | 3-24/32 | 150 | 9.0 | 29 | 2.63 |
| PSD400* | 4 | 4-24/32 | 150 | 12.0 | 29 | 3.13 |
| PSD600 | 6 | 6-24/32 | 150 | 36.0 | 29 | 5.22 |
| WHITE COVER | | | | | | |
| PSD150-W | 1-1/2 | 2-5/32 | 150 | 6.0 | 29 | 1.07 |
| PSD200-W | 2 | 2-21/32 | 150 | 7.0 | 29 | 1.53 |
| PSD300-W | 3 | 3-24/32 | 150 | 9.0 | 29 | 2.63 |

* Heavy duty construction

NOTE: All SaniGard® product pressure ratings are shown at ambient temperature (68°F). As temperatures increase, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 200°F.

SaniGard® Sentry® SSW Softwall Discharge Rubber Hose



FEATURES/BENEFITS

- Softwall design for extra flexibility and handling ease
- Ultra-lightweight
- Designed exclusively for discharge service when structural rigidity is not needed
- Chemically resistant to mild caustic solutions
- High pressure rated
- Ideally suited for overhead CIP wash units

COLOR

- Blue with yellow stripe

CONSTRUCTION

- Inner tube: white butyl
- Cover: EPDM reinforced with two fabric spirals

FITTINGS

- ReSeal® reusable or PermaSeal® permanent

TEMPERATURE RATING

- -40° to +225°F (continuous)
- +250°F (intermittent)

APPROVALS

- FDA, USDA, 3A, CFIA

HOSE SPECIFICATIONS

| Part Number | Inside Diameter (in.) | Outside Diameter (in.) | Max. Working Pressure (PSI) | Min. Bend Radius (in.) | Vacuum in HG | Weight (lb./ft.) |
|-------------|-----------------------|------------------------|-----------------------------|------------------------|--------------|------------------|
| SSW150 | 1-1/2 | 2-5/32 | 250 | — | 0 | 1 |
| SSW200 | 2 | 2-21/32 | 250 | — | 0 | 1.25 |
| SSW250 | 2-1/2 | 3-6/32 | 250 | — | 0 | 1.66 |
| SSW300 | 3 | 3-24/32 | 250 | — | 0 | 2.23 |

WARNING: Not recommended for applications that require structural rigidity.

NOTE: All SaniGard® product pressure ratings are shown at ambient temperature (68°F). As temperatures increase, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 200°F.

SaniGard® Challenger™ FEP/Teflon® CTL Suction and Discharge Rubber Hose



COLOR

- White with red stripe

CONSTRUCTION

- Inner tube: white FEP
- Cover: white EPDM reinforced with two fabric spirals with dual wire helix and static wire
- Heavy-duty construction option available

FITTINGS

- PermaSeal® permanently installed or ReSeal® reusable with stainless steel hose sleeves only

TEMPERATURE RATING

- -40° to +350°F

APPROVALS

- FDA, USDA, 3A, CFIA
- Meets U.S. Pharmacopeia Class VI requirements

FEATURES/BENEFITS

- Premium quality with smooth, non-stick, chemically inert FEP Teflon® lining
- Does not impart taste or odor
- Can be safely cleaned with open end steam at low pressures
- Dual helix with static dissipated wire provides full vacuum, excellent flexibility and added safety when electrical continuity is required
- Excellent chemical resistance
- Durable and kink-resistant

| HOSE SPECIFICATIONS | | | | | | |
|---------------------|-----------------------|------------------------|-----------------------------|------------------------|--------------|------------------|
| Part Number | Inside Diameter (in.) | Outside Diameter (in.) | Max. Working Pressure (PSI) | Min. Bend Radius (in.) | Vacuum in HG | Weight (lb./ft.) |
| CTL050 | 1/2 | 1-3/32 | 150 | 4.0 | 29 | 0.37 |
| CTL075 | 3/4 | 1-8/32 | 150 | 3.0 | 29 | 0.5 |
| CTL100 | 1 | 1-17/32 | 150 | 3.5 | 29 | 0.72 |
| CTL150 | 1-1/2 | 2-5/32 | 150 | 4.5 | 29 | 1.09 |
| CTL200 | 2 | 2-21/32 | 150 | 6.5 | 29 | 1.56 |
| CTL250 | 2-1/2 | 3-6/32 | 150 | 8.5 | 29 | 2.03 |
| CTL300 | 3 | 3-24/32 | 150 | 12.5 | 29 | 2.43 |
| CTL400 | 4 | 4-24/32 | 150 | 20.5 | 29 | 3.29 |

NOTE: All SaniGard® product pressure ratings are shown at ambient temperature (68°F). As temperatures increase, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 200°F.

Teflon™ is a registered trademark of E.I. du Pont Nemours and Company.

SaniGard® Gladiator® Crush-Resistant GCR Rubber Hose



COLOR

- Red with yellow or white stripe

CONSTRUCTION

- Inner tube: white butyl or synthetic polyester
- Cover: EPDM reinforced with multiple fabric spirals with monofilament helix

FITTINGS

- PermaSeal® permanently installed or ReSeal® reusable

TEMPERATURE RATING

- -40° to +225°F (continuous)
- +250°F (intermittent)

APPROVALS

- FDA, USDA, 3A, CFIA

FEATURES/BENEFITS

- Abrasion resistant non-marking cover perfect for high traffic areas
- Crush resistant
- Monofilament helix allows hose to return to original shape after being twisted, kinked or run over by a vehicle
- Suitable for Clean-In-Place (CIP)
- High pressure rated

| HOSE SPECIFICATIONS | | | | | | |
|---------------------|-----------------------|------------------------|-----------------------------|------------------------|--------------|------------------|
| Part Number | Inside Diameter (in.) | Outside Diameter (in.) | Max. Working Pressure (PSI) | Min. Bend Radius (in.) | Vacuum in HG | Weight (lb./ft.) |
| GCR150 | 1-1/2 | 2-5/32 | 250 | 5.0 | 20 | 1.05 |
| GCR200 | 2 | 2-21/32 | 250 | 7.0 | 20 | 1.33 |
| GCR250 | 2-1/2 | 3-6/32 | 250 | 12.0 | 20 | 1.77 |
| GCR300 | 3 | 3-24/32 | 250 | 18.0 | 20 | 2.3 |
| GCR400 | 4 | 4-24/32 | 250 | 36.0 | 20 | 2.94 |

NOTE: All SaniGard® product pressure ratings are shown at ambient temperature (68°F). As temperatures increase, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 200°F.

WARNING: Gladiator® is rated at 20 HG (about 75% vacuum) but will actually pull a full vacuum when new. Repeated collapsing of the hose by twisting, kinking, etc., creates a "soft spot" that reduces vacuum capabilities, even though the hose rebounds to its original shape.

SaniGard® Rubber Hose Series

APPLICATIONS: FOOD, BEVERAGE, DAIRY, COSMETICS, PERSONAL HYGIENE

G-FDA Series



FEATURES/BENEFITS

- Cover and reinforcements designed to withstand rough handling and high temperatures
- Premium quality sanitary suction and discharge hose
- Handles a wide variety of products
- Full vacuum rating
- Custom laylines available

COLOR

- Gray

CONSTRUCTION

- Inner tube: white EPDM
- Cover: gray EPDM reinforced with two spirals of dual-helix wire

FITTINGS

- PermaSeal® permanent

TEMPERATURE RATING

- -40° to 300°F

APPROVALS

- FDA, USDA, 3-A

| HOSE SPECIFICATIONS | | | | | | | |
|---------------------|--------------------------|---------------------------|------------------------------|------------------------|--------------|---------------------------|------------------|
| Part Number | Inside Diameter in. (mm) | Outside Diameter in. (mm) | Max.* Working Pressure (PSI) | Min. Bend Radius in.** | Vacuum in HG | Min. Burst Pressure (PSI) | Weight (lb./ft.) |
| GFDA-0500 | .500 (12.7) | .931 (23.6) | 150 | 2.50 | 29.9 | 600 | 0.23 |
| GFDA-0750 | .750 (19.1) | 1.182 (30.0) | 150 | 3.75 | 29.9 | 600 | 0.31 |
| GFDA-1000 | 1.000 (25.4) | 1.500 (38.1) | 150 | 4.00 | 29.9 | 600 | 0.39 |
| GFDA-1500 | 1.500 (38.1) | 2.090 (53.1) | 150 | 5.00 | 29.9 | 600 | 0.81 |
| GFDA-2000 | 2.000 (50.8) | 2.600 (66.0) | 150 | 6.00 | 29.9 | 600 | 1.16 |
| GFDA-2500 | 2.500 (63.5) | 3.173 (80.6) | 150 | 7.00 | 29.9 | 600 | 1.70 |
| GFDA-3000 | 3.000 (76.2) | 3.718 (94.4) | 150 | 8.00 | 29.9 | 600 | 1.96 |
| GFDA-4000 | 4.000 (101.6) | 4.781 (121.4) | 150 | 11.00 | 29.9 | 600 | 3.01 |

*Based on ambient condition on exterior of hose. Elevated temperatures and characteristics of medium being transferred can affect working pressures and burst pressures.

**Measured on the inner surface of the curved portion. Data is based on static applications. For dynamic or cyclic applications, consult factory.

FGR Series



FEATURES/BENEFITS

- Multiple fabric reinforcements for pressure capability
- Flexes easily, withstands vacuum and facilitates static grounding
- Imparts no taste or odor
- Excellent chemical resistance
- Full vacuum rating
- Higher pressure rating

COLOR

- Gray with red spiral stripe

CONSTRUCTION

- Inner tube: white nitrile-PVC blend
- Cover: EPDM with clear helix rod reinforcement

FITTINGS

- PermaSeal® permanent

TEMPERATURE RATING

- -40° to 250°F

APPROVALS

- FDA, USDA, 3-A

| HOSE SPECIFICATIONS | | | | | | | |
|---------------------|--------------------------|---------------------------|------------------------------|------------------------|--------------|---------------------------|------------------|
| Part Number | Inside Diameter in. (mm) | Outside Diameter in. (mm) | Max.* Working Pressure (PSI) | Min. Bend Radius in.** | Vacuum in HG | Min. Burst Pressure (PSI) | Weight (lb./ft.) |
| HOSFGR-08 | .500 (12.7) | .972 (24.7) | 400 | 1.5 | 29.9 | 1650 | .04 |
| HOSFGR-12 | .750 (19.1) | 1.268 (32.2) | 375 | 2.0 | 29.9 | 1500 | .05 |
| HOSFGR-16 | 1.000 (25.4) | 1.518 (38.6) | 350 | 3.0 | 29.9 | 1450 | .06 |
| HOSFGR-24 | 1.500 (38.1) | 2.020 (51.3) | 300 | 4.0 | 29.9 | 1200 | .09 |
| HOSFGR-32 | 2.000 (50.8) | 2.520 (64.0) | 250 | 4.5 | 29.9 | 1050 | 1.3 |
| HOSFGR-40 | 2.500 (63.5) | 3.138 (79.7) | 150 | 6.0 | 29.9 | 700 | 1.9 |
| HOSFGR-48 | 3.000 (76.2) | 3.650 (92.7) | 150 | 7.0 | 29.9 | 600 | 2.3 |
| HOSFGR-64 | 4.000 (101.6) | 4.670 (118.6) | 150 | 10.0 | 29.9 | 600 | 3.1 |

*Based on ambient condition on exterior of hose. Elevated temperatures and characteristics of medium being transferred can affect working pressures and burst pressures.

**Measured on the inner surface of the curved portion. Data is based on static applications. For dynamic or cyclic applications, consult factory.