

Versilon™ G-FDA Hose

High Temperature Suction and Discharge Rubber Hose

Versilon G-FDA is built for higher temperatures and more chemically demanding applications. It boasts our highest temperature rating for any non-fluoropolymer lined rubber covered hose.

The non-PVC, non-butyl, all EPDM liner is designed to reduce the risk of taste and odor adulteration of food.

A robust dual-helix wire reinforcement allows the EPDM liner to withstand full vacuum, making it the best EPDM lined hose for suction and discharge service.

Features and Benefits

- Sanitary suction and discharge hose
- White EPDM liner
- EPDM cover and reinforcements designed to withstand rough handling and high temperatures
- Full vacuum rating
- Food oil and ozone resistant
- Custom laylines available
- Specially designed to handle oil based materials
- Designed to reduce risk of taste and odor adulteration of food

Typical Applications

- Cosmetics
- High purity water
- Bulk food transfer
- Beverage
- Dairy
- CIP applications

Regulatory Compliance

- Compliant with FDA 21CFR 177.2600
- USDA
- 3-A Sanitary Standard 62-02

G-FDA Hose Specifications

| Part Number | Inside Diameter | | Outside Diameter | | Maximum Working Pressure* | | Minimum Burst Pressure | | Minimum Bend Radius** | | Vacuum Hg | | Weight | |
|-------------|-----------------|-------|------------------|-------|---------------------------|-------|------------------------|-------|-----------------------|-------|-----------|------|---------|--------|
| | (in) | (mm) | (in) | (mm) | (psi) | (MPa) | (psi) | (MPa) | (in) | (mm) | (in) | (mm) | (lb/ft) | (kg/m) |
| GFDA-0500 | 0.50 | 12.7 | 0.98 | 24.9 | 150 | 1.03 | 600 | 4.14 | 2.50 | 63.5 | 29.9 | 760 | 0.30 | 0.45 |
| GFDA-0750 | 0.75 | 19.1 | 1.27 | 32.3 | 150 | 1.03 | 600 | 4.14 | 3.75 | 95.3 | 29.9 | 760 | 0.44 | 0.65 |
| GFDA-1000 | 1.00 | 25.4 | 1.50 | 38.1 | 150 | 1.03 | 600 | 4.14 | 4.00 | 101.6 | 29.9 | 760 | 0.57 | 0.85 |
| GFDA-1500 | 1.50 | 38.1 | 2.09 | 53.1 | 150 | 1.03 | 600 | 4.14 | 5.00 | 127.0 | 29.9 | 760 | 0.91 | 1.35 |
| GFDA-2000 | 2.00 | 50.8 | 2.63 | 66.8 | 150 | 1.03 | 600 | 4.14 | 6.00 | 152.4 | 29.9 | 760 | 1.30 | 1.93 |
| GFDA-2500 | 2.50 | 63.5 | 3.17 | 80.5 | 150 | 1.03 | 600 | 4.14 | 7.00 | 177.8 | 29.9 | 760 | 1.74 | 2.59 |
| GFDA-3000 | 3.00 | 76.2 | 3.72 | 94.5 | 150 | 1.03 | 600 | 4.14 | 8.00 | 203.2 | 29.9 | 760 | 2.42 | 3.60 |
| GFDA-4000 | 4.00 | 101.6 | 4.78 | 121.4 | 150 | 1.03 | 600 | 4.14 | 11.00 | 279.4 | 29.9 | 760 | 3.22 | 4.79 |

NOTE: Weights and outside diameter dimensions are nominal. Data given is for hose only. End fitting vs. hose pressure limitations must be considered and the lower of the two ratings must be used on assemblies.

* 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.

Construction

| | | | | | | | | | | | | | | | | | |
|---------------------|---|--------|-----|----|-----|------|-----|--------|-----|----|-----|----|-----|--------|-----|----|-----|
| Inner Tube: | Seamless white EPDM | | | | | | | | | | | | | | | | |
| Cover: | EPDM | | | | | | | | | | | | | | | | |
| Reinforcement: | Two fabric spirals with dual helix wire | | | | | | | | | | | | | | | | |
| Color: | Gray with a white layline in blue lettering | | | | | | | | | | | | | | | | |
| Temperature Rating: | -40°F to +300°F -40°C to +149°C | | | | | | | | | | | | | | | | |
| Maximum Length: | <table border="1"> <tr> <td>1/2"</td> <td>60'</td> <td>2"</td> <td>60'</td> </tr> <tr> <td>3/4"</td> <td>60'</td> <td>2-1/2"</td> <td>50'</td> </tr> <tr> <td>1"</td> <td>60'</td> <td>3"</td> <td>60'</td> </tr> <tr> <td>1-1/2"</td> <td>60'</td> <td>4"</td> <td>60'</td> </tr> </table> | 1/2" | 60' | 2" | 60' | 3/4" | 60' | 2-1/2" | 50' | 1" | 60' | 3" | 60' | 1-1/2" | 60' | 4" | 60' |
| 1/2" | 60' | 2" | 60' | | | | | | | | | | | | | | |
| 3/4" | 60' | 2-1/2" | 50' | | | | | | | | | | | | | | |
| 1" | 60' | 3" | 60' | | | | | | | | | | | | | | |
| 1-1/2" | 60' | 4" | 60' | | | | | | | | | | | | | | |

Fitting Options

Versilon Crimp Style Fittings

- Over 40 styles of stocked crimp-style fittings in a wide range of materials
- Standard: 316L stainless steel (wetted surfaces)

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