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Series Number VLT-SD500X20, VLT-SD™ Series 5 in. ID and 20 ft Standard Length Heavy Duty Food Grade Static Dissipative Polyurethane Fabric Reinforced Material Handling Hose

Made in The USA



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General Applications
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- Bulk truck and railcar unloading
- Food grade material handling - heavy duty abrasive
- Material handling - heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Pneumatic conveying equipment
- Suction and discharge

Construction
Construction

Static dissipative polyurethane tube, polyester fabric reinforcement, rigid helix and grounding wire (patent pending).

Service Temperature

Service Temperature [Min]

-40 °C
-40 °F

Service Temperature [Max]

65 °C
150 °F

Features and Advantages

Features and Advantages

- **Superior Static Protection!** - A properly grounded Voltbuster™ hose will not retain an electrostatic charge sufficient to create a propagating brush discharge. Hose material, using the embedded grounding wire, shows a charge decay time constant of < 1 second, based on independent lab testing.
- **Food Grade Materials** - Hose tube complies with FDA requirements. Grounding wire embedded in external helix to prevent material contamination.
- **Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube** - Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Fabric Reinforcement** - Designed with high tensile strength, food grade FDA, polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Transparent Construction** - "See-the-flow". Allows for visual conformation of material flow.
- **"Cold-Flex" Materials** - Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix** - Rigid helix design protects hose from wear; allows hose to slide easily over rough surfaces. Easy to handle.
- **Phthalate Free**

Nominal Specifications

ID

5 in
128.0 mm

OD

5.79 in
152.0 mm

| | |
|------------------------------------|-------------|
| Working Pressure at 68°F | 45 psi |
| Working Pressure at 104°F | 22 psi |
| Vacuum Rating at 68°F | 28 inHg |
| Vacuum Rating at 104°F | 25 inHg |
| Min. Bending Radius at 68°F | 14 in |
| Standard Standard | 20 ft |
| Weight | 2.43 lbs/ft |

Specifications

| | |
|--|---|
| Brand | Tigerflex® |
| Type | Heavy Duty Food Grade Static Dissipative Polyurethane Material Handling Hoses |
| Style | Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube |
| Series | VLT-SD500 |
| Material | Polyurethane |
| Color | Transparent |
| Industry Standards/Certifications | BSE/TSE, FDA, Phthalate Free, RoHS |

Note

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|-------------|--|
| Note | Service life may vary depending on operating conditions and type of material being conveyed. |
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Caution

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|---|
| This product is designed to dissipate static electricity when the |
|---|

Caution

embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

Compliance Footnotes

**Compliance Footnotes**

BSE/TSE - The majority of the raw materials used in our formulations are not manufactured or derived from materials of animal origin. Nor do our products come into contact with materials of animal origin during processing. Our suppliers of raw materials have assured us their compounds exceed the relevant European Guidance on minimizing the Risk of Transmitting Animal Spongiform Encephalopathy Agents Via Human and Veterinary Medical Products.

FDA - Material conforms to CFR title 21, parts 177.2600 and 175.105

FDA - Material conforms to CFR title 21, parts 177.2800 (5)(i), 21 CFR 170.39.

Phthalate Free - Manufactured from all phthalate free materials.

RoHS - The product complies with the requirements of the EU directive 2002/95/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.