

Clean Air

- Good Connections



Clear-Flex seamless tubing

Clearly a better flexible connector!

Now available in two innovative formulations:

1. Pioneered by JP Air Tech, Clear-Flex SD is the original!

Clear, FDA acceptable, static-dissipative polyurethane seamless tubing. It's the polyurethane tubing that is preferred in applications worldwide for its strength, static-dissipation, flexibility and durability.

With Clear-Flex tubing it is easy to make cut-to-length, see-through, static-free connectors. UV Stabilized, clear (natural) color. Operating temps: 0°F to 180°F. Diameters range from 2" through 12", in lengths to 50 feet. Get the first, get the best, get Clear-Flex seamless tubing!

Concerned about static electricity discharge and potential explosion risks?

2. Introducing new Clear-Flex ATX: the ultimate in static control!

New and improved polyester-based thermoplastic polyurethane compound **does not build-up static electricity.**

Outstanding static-dissipative qualities per IEC 60079-0:2007

- **168 to 208 meg ohms/sq Surface Resistance**
- **Static decay rate of less than 0.5 seconds**
- **Atex Zone 20, 21, 22 compliant**

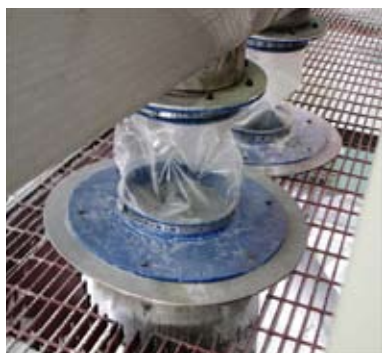
Meets the static-dissipative requirements of the **EU ATEX** Directive (94/9/EC). This compound is 3-A Sanitary and FDA-acceptable for direct food contact per CFR 21.177.1590 and CFR 21.177.1680.

EC 1935/2004 compliant for plastics in food contact.

UV Stabilized, clear (natural) color. Operating temps: 0°F to 180°F. Diameters range from 4" through 12", in lengths to 50 feet. Available in both standard and lightweight wall thickness.



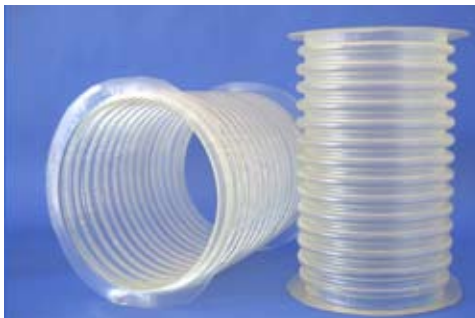
Clear-Flex SD and ATX Seamless tubing



Clear-Flex SD and ATX seamless tubing has hundreds of uses throughout your plant.

Flexible connections on all types of atmospheric, vibratory and gyratory sifters, screeners, separators, feeders, bin discharges, hoppers, mixers, blenders, packaging equipment and conveyors. Outlasts rubber by 10:1 when used in dry, abrasive materials processing!

Custom Connectors



- **020 and 060 Clear-Flex Sleeves**

Another JP Air Tech innovation...custom diameter and length Clear-Flex connectors. Tapers, ovals, square, rectangular and flanged end connectors available using our custom "seamless splice" technology.

For all your custom flexible connector needs, put Clear-Flex polyurethane to work helping you spend less time with downtime.

- **020 Clear-Flex** is a 20 mil thick static-dissipative film which is FDA-acceptable for direct food contact. Strong, soft, lightweight and very flexible, 020 is an ideal flexible connector for load cell and loss-in-weight uses.

Available in both Clear-Flex SD and Clear-Flex ATX!

- **060 Clear-Flex** is a 60 mil thick static-dissipative and FDA-acceptable film. Outstanding abrasion resistance and very flexible, see-through 060 connectors handle your toughest materials while improving your process control.

Available in custom shapes and welded flanged ends. Available in both Clear-Flex SD and Clear-Flex ATX!

- **030 Very Clear-Flex** is a 30 mil thick FDA-acceptable film. Outstanding abrasion resistance and stain resistance. Very clear smooth finish for maximum visual flow. Higher temperature range provides superior C-I-P process resistance.

Sift-Sock fabric connectors

- **Cut-to-length fabric tubing in lengths of your choice.**
- **Snap-on "shock cord" hems**
Sleeve stays in place during installation
- **Integrated band clamp hems**
- **Sleeve-within-a-sleeve** features a seamless inner sleeve that fits inside the equipment being filled. This prevents product buildup around the pipe and increases sleeve life. Outer sleeve clamps to equipment pipes for dust-free connection.
Dust control, easy installation, longer life and more in one

- **Rubber-Coated Nylon (RCN Super)**
- **4019 Nylon Cordura**
- **020 Clear-Flex ATX**
- **Teflex-White PTFE Laminate/Woven**



PTFE Teflon Connectors

PTFE laminate offers outstanding chemical, environmental and thermal stability. It provides very good abrasion resistance and a non-stick surface. Ideal for use with harsh chemicals and extreme temperatures.



PTFE Laminate film connectors

- FDA-acceptable for direct food contact per CFR21.177.1550
- 3-A Sanitary per Standard 20-25.
- EC 1935/2004 compliant for plastics in food contact

PTFE Laminate Film is built up to the desired wall thickness by laminating thin layers of PTFE film at 45° and 90° angles. The proprietary cross pattern lamination process produces exceptional 360° tear strength and durability.



| | Lightweight | Standard | Heavyweight |
|-----------------------|------------------------------------|------------------------------------|------------------------------------|
| Thickness | 0.133 mm | 0.23 mm | 0.41 mm |
| Weight | 272 g/sq. meter | 457.8 g/sq. meter | 813.9 g/sq. meter |
| Upper Use Temperature | 316°C continuous service | 316°C continuous service | 316°C continuous service |
| Tensile Strength | 205 N/50 mm. | 223 N/50 mm. | 563 N/50 mm. |
| Tear Strength | 80.1 N | 99.8 N | 217.8 N |

- Black static-conductive PTFE laminate which is fully FDA-acceptable for direct food contact. This film offers a surface resistance of < 300,000 ohms / sq which is suitable for use in Atex compliance zones.
- On oscillating and vibratory equipment, PTFE laminate film has excellent flex fatigue resistance. In dynamic flex testing (ISO 7854-1984), with 20 lbs/in load the PTFE laminate mean cycle-to-failure was 3.2 million cycles compared to 185,000 cycles for PTFE/Fiberglass composite materials.



Woven PTFE (Teflon®) Fabric Flexible Connectors

JP Air Tech offers two types of 100% PTFE woven materials. Both are white and food-grade per applicable US and EC regulations.

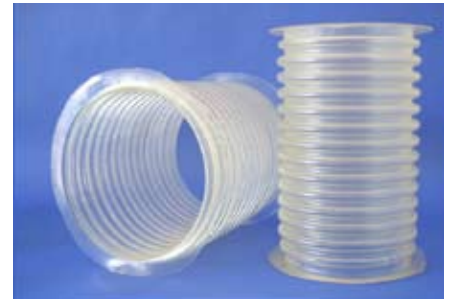
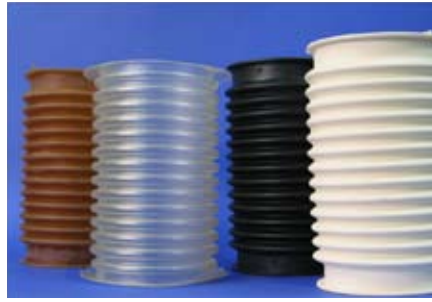
1. 16 ounce fabric weight. It measures an air permeability of 30 cfm at 0.5" WG.
2. 12 ounce fabric with a 1 mil laminated coating of PTFE. The resulting fabric is virtually dust-tight: <2.5 cfm at 0.5" WG.

Both fabrics offer excellent chemical resistance and extreme thermal stability:

- **-234°C to +232° C continuous, +288° C spike**



Molded Corrugated Sleeves



COMPOUNDS FOR MOLDED CORRUGATED SLEEVES

| | |
|----------------------------|--|
| Clear Polyurethane: | Best overall value! Typically outlasts rubber sleeves by a factor of 10! Full visual flow combined with outstanding abrasion and tear resistance. Temps to 82°C. |
| Natural Gum Rubber: | Best seller for dry materials processing. Excellent abrasion and tear resistance. Temps to 82°C. FDA White, FDA Amber, Black. |
| Neoprene Rubber: | All purpose rubber compound offers improved oil and grease resistance. Temps to 82°C. FDA White, Black. |
| Nitrile Rubber: | Excellent abrasion and superior oil and grease resistance. Temps to 137°C. FDA White, Black. Siftex design only. |
| EPDM Rubber: | Handles acids and oxygenated solvents, wet or dry abrasive materials; outdoor exposure. Temps to 143°C. Black only. |
| Silicone Rubber: | Best for wet (wash-down) environments, dilute acids and extreme temperatures from -50°C to 260°C. FDA Translucent, FDA Red. |

Looking for improved wear from your corrugated sleeves? For all your vibratory and gyratory machine connections, depend on Siftex for the largest selection of molded corrugated sleeves.

We stock the most diameters, lengths, styles and materials.

SIFTEX™ DESIGN CORRUGATED SLEEVES

For maximum flex life, choose the original Siftex design sleeve with more corrugations for improved wear and durability. Ideal for all types of vibratory and gyratory motion including screeners, sifters, dryers, conveyors, hoppers and more.

- 4", 6", 8", and 10" I.D. x 12" length.
- Clear Polyurethane, Natural Gum Rubber,
- Nitrile Rubber and Neoprene Rubber.

ROTEX™ DESIGN CORRUGATED SLEEVES

Siftex offers the 10-3/4" long Rotex™ design sleeves with the bead ring inside the cuff.

- 4", 6", 8", and 10" I.D. x 10-3/4" length.
- Natural Gum Rubber, Neoprene,
- Silicone, and EPDM.

SWECO™ DESIGN CORRUGATED SLEEVES

Get better connected with Siftex for all your Sweco™ style corrugated sleeves. 2" long clamping collars at each end.

- 4", 6", and 8" I.D. x 12" length.
- 8" I.D. x 16" length
- Natural Gum Rubber, Neoprene, Silicone, and EPDM.

Molded silicone bellows

Molded flexible connector designed for loss-in-weight systems.

Choose from two silicone compounds

1. Translucent silicone which is FDA-acceptable per CFR 177.2600.

2. Black silicone which is static-conductive.

Both offer low axial and lateral force. Flexible stretch for easy installation

Temperature from 0° F to 400° F. Air and dust tight.

Diameters: 2-1/2", 3", 4", 6", 8", 10", 12", 14"

Length: 4-1/4"



Vibra-Pad Aeration Pads

The effective discharge alternative

NEW
VIBRA-PAD
can be fitted from
outside

In situations where materials have very poor flow properties or are prone to bridging in the discharge area of any silo type, the Vibra Aeration Pad is the obvious solution. The combination of compressed air and the vibration generated by the Vibra-Pad by its special material properties will guarantee to improve the flow properties of almost any material. The air pressure is regulated from outside the silo and can also be linked to a timed solenoid to pulse the air into the material when required. The installation of the Vibra-Pad in the silo wall/casing is a straightforward operation.

- Periodic blasts of air fluidises the material and sends resonate vibration waves through the material. The compressed air blasts separates the material from the silo wall, again supporting the material to flow.
- The unique double lip design of the Vibra-Pads flexible membrane prevents any material from escaping back into the compressed air lines.
- The sleek dimensions of the Vibra-Pad prevent it becoming a flow hindrance inside the silo to stored material.

Function of the vibra-pad aeration pads

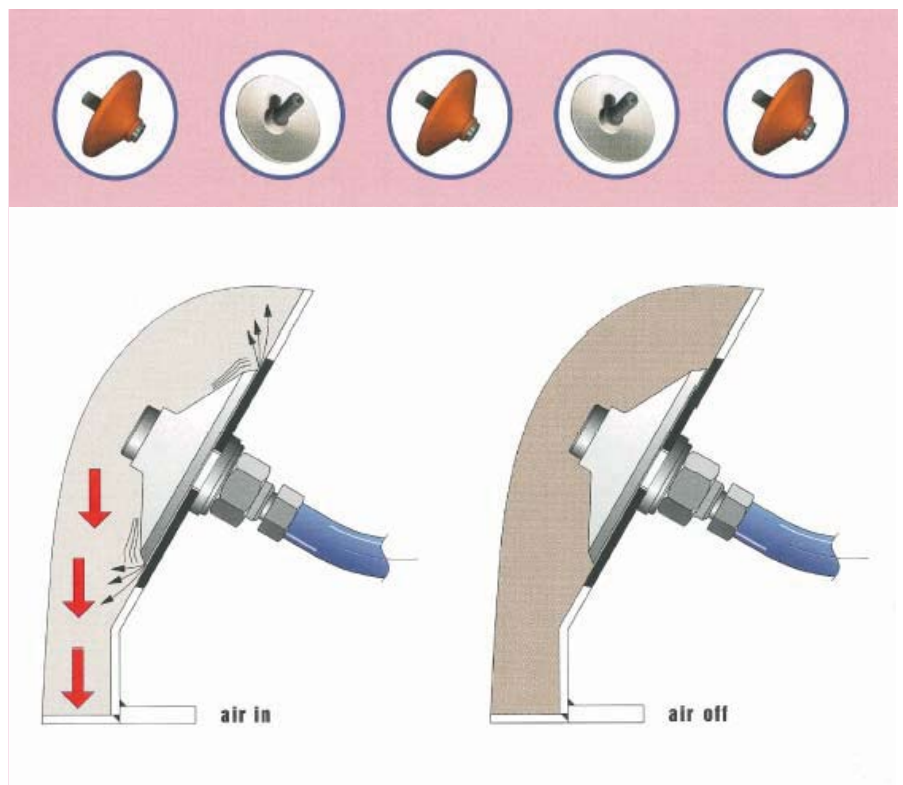
Compressed Air In:

Compressed air enters the silo via the Vibra-Pad fixing bolt/pin and escapes from under the neoprene/silicon membrane.

A combination of the compressed air burst and vibration of the Pad membrane assist the material to flow.

Compressed Air Off:

Once the compressed air is shut of the material compacts. The neoprene membrane seals aff against the silo wall and aided by the double lip design prevents any material from escaping into the airline or atmosphere.



JP Air tec

Clean air and good connections

JP Air Tech is a proven expert in filtration and processing of dust and powder particles - safely and economically.

We advise the specific filter media solutions and distribute connecting systems, which are suitable for every process need.

With an ample and diverse stock based in Nakskov, Danmark - centered in Northern Europe, we provide timely shipments and worldwide dispatch. JP Air Tech is a reliable and reputable partner.

With more than 20 years in the filtration industry, we have earned our reputation that offers quality service and products.

We deliver proven technical assistance that finds the proper solution to separate dust and other particles from the air.

Our products are manufactured with the best available materials and factory practices which provide maximum achievable control technology for your peace of mind.

JP Air Tech lives by a simple but true philosophy.

We live to serve you.

Our decades of expertise are at your demand.

Let JP Air Tech guide you to a reliable work environment that is safe and dust free.



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