

The Main Product Features at a glance

Antistatic acc. to TRBS 2153

- The hoses in the new **Master-PUR Trivolution** series are all antistatic thanks to a non-migrating permanent antistatic agent now included in the raw material mixture. This means the hose series accords to ATEX /TRBS 2153 ("Avoidance of ignitions hazards due to electrostatic charges") and can be freely applied for all such applications. The new hoses are especially suitable for processing plants in Ex-zones and for transporting flammable powder and bulk goods.

Hardly Inflammable acc. to DIN 4102 B1

- The raw material applied in the **Master-PUR Trivolution** hose series is equipped with a special flame-retardant additive and therefore makes the entire hose series "hardly inflammable" acc. to DIN 4102 B1. The **Master-PUR Trivolution** from Masterflex is made from abrasion-resistant polyester-PU in contrast to most other competitor products.

Microbe-Resistant

- The polyester-polyurethane applied in the new **Master-PUR Trivolution** hose series is, thanks to its special mixture of raw materials and additives, extremely resistant to microbe-induced corrosion. In contrast, polyester-PU without such additional microbe protection runs the risk of being destroyed through longer exposure to microbial attack.

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World-First!

Master-PUR Trivolution – A superpowered combination!

Antistatic + Hardly Inflammable
+ Microbe-Resistant



The hose series made from polyester-PU combines the 3 most important features of a spiral hose in 1 product: antistatic, hardly inflammable and microbe-resistant.

A powerhouse with unbeatable features!

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A Powerhouse with Unbeatable Features!

Master-PUR Trivolution is the new superhero in the Masterflex product range and offers unbeatable antistatic, hardly inflammable & microbe-resistant features.

The **Master-PUR Trivolution** series is a further development of the industry-renowned Master-PUR hose range, which is a direct result of our customers' wishes.

The **Master-PUR Trivolution** consists of pure polyester-polyurethane (PU).

Thanks to its unique mixture of raw materials, it offers all of the most important features of a top-quality spiral hose along with its groundbreaking **antistatic, microbe-resistant and hardly inflammable (acc. to DIN 4102 B1)** features. This enables the innovative new hose to be applied in a huge spectrum of applications and for the widest range of different media possible.

Even with its newly modified mix of ingredients, the high-performance materials guarantee unbeatable product life-cycles, making the all-new **Master-PUR Trivolution** highly versatile and universally applicable - **at no extra cost**.

The combined powers of the **Master-PUR Trivolution** provide real and quantifiable added value for the user: simplified product selection, much improved stock availability and drastically reduced storage costs.

All the benefits at a glance:

- no extra cost compared to previous models
- available as complete series with different versions
- 3 product features in 1 product
- wide spectrum of applications possible with only 1 hose
- simplified product selection, reduced storage costs
- made from Polyester-PU with improved mechanical properties compared to standard Polyether-PU

Antistatic $R_o < 10^9$ Ohm = suitable for ATEX/TRBS 2153 applications



Versions

Master-PUR L-F / L / H / HÜ / HX Trivolution

Material

Spiral: spring steel wire

Wall: pure polyester-polyurethane

Wall thickness: dep. on version

Properties

- hardly inflammable acc. to DIN 4102 B1
- antistatic, surface resistance $R_o < 10^9$ acc. to ATEX/TRBS 2153 (Zone 20) for flammable dusts/bulk goods for the dissipation of electrostatic charges with grounding at both spiral ends
- microbe-resistant
- oil/petroleum-proof
- highly abrasion-resistant
- good flexibility
- halogen/plasticizer-free
- good chemical resistance
- generally good UV/ozone resistance
- high tensile strength (dep. on version)

Temperature Range

- -40°C to +90°C
- peaks to +125°C

Depending on the version, there are a wide range of connectors available. Find out more at: www.masterflex.de