



## Master-PUR Performance

Totally smooth. Totally abrasion-resistant. Totally flexible.  
Totally unique!

World First!

## Master-PUR Performance

### A world first among PU spiral hoses with a perfectly smooth inner lining

Totally abrasion-resistant, totally smooth,  
totally flexible. 3 wishes at once!?!  
No problem, thanks to Masterflex!

Tasked with developing a spiral hose that fulfils the most important of our customers' requirements - one which offers a seamlessly smooth inner surface, one which can withstand even the greatest loads during the transport of rough and heavy bulk solids,

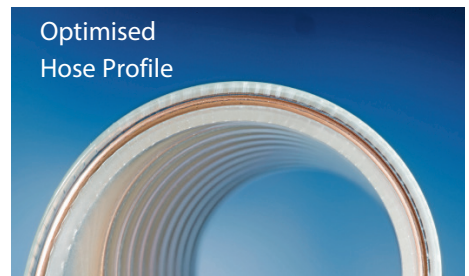
and one which is even more flexible than any other heavy-duty PU hose - Masterflex has created the all-new Master-PUR Performance. This groundbreaking innovation is the only PU spiral hose worldwide, which combines these 3 features in one.

The new Master-PUR Performance from Masterflex not only offers the very latest in hose technology, but also more direct user benefits in one hose than ever before.



Extremely flexible

Optimised  
Hose Profile



- approx. 2 mm inner lining
- optimised hose profile construction design
- therefore extremely flexible
- easily bendable to fit all applications, even at short length (1 m), depending on DN size

#### User Benefits:

- Thanks to its totally smooth and cavity-free inner surface, it offers excellent flow conditions with virtually no flow loss whatsoever.

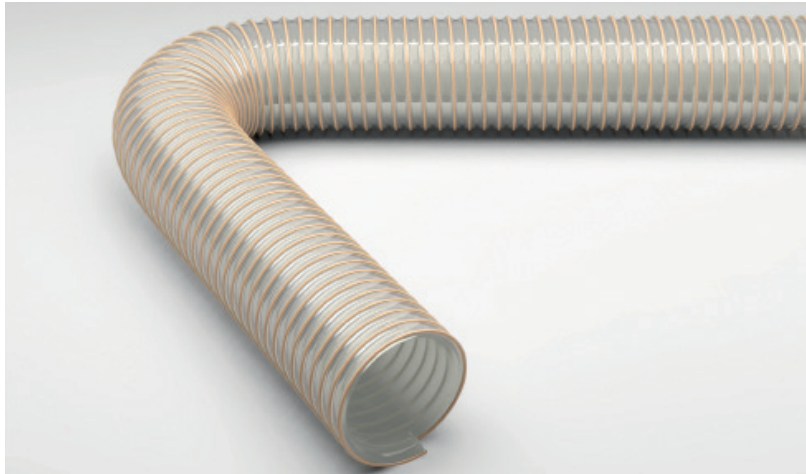
The best part? Thanks to this new level of transport performance, it also cuts your energy consumption and costs in all applications!

- No residue build-up through inner edges or pores
- The Master-PUR Performance's optimised hose profile design provides even greater flexibility, which makes it easy to use and install even in the tightest of spaces

- Due to the nature of the special materials used, the Master-PUR Performance boasts 100 % greater abrasion-resistance than any other conventional hose made from thermo-plastic polyurethane (TPU). The hose's replacement intervals increase as a result, reducing maintenance costs significantly.

- In comparison to the usual standard spiral hoses, it features improved pressure and vacuum resistance. Combined with its microbe-resistance and antistatic qualities, the Master-PUR Performance is the perfect all-rounder. It fulfils all requirements of TRBS 2153 & Directive 94/9/EG (ATEX 95) for the avoidance of ignition hazards resulting from electrostatic charges

## All the product facts:



Master-PUR Performance:  
PU Suction/Transport Hose,  
extremely abrasion-resistant  
& vacuum-proof, seamless &  
totally smooth inner lining,  
antistatic & microbe-resistant,  
wall thickness min. 2.5 mm

### Materials

Spiral: spring-steel wire

Wall: pure polyurethane

Lining: application-optimised polyurethane

### Applications

- Transport hose for problematic transport goods, e.g. sand, gravel, grain, granules
- Everywhere where easy-to-clean surfaces are required
- Special hose for transport of extremely abrasive media
- Transport hose for feeding and cleaning of glass works, mineral processing plants, steelworks, quarries, shipyards and docks, cement works, flat roof gravelling
- Other conveyor and loading plants

### Properties

- antistatic, surface resistance  $R_o < 10^9 \text{ Ohm}$
- extremely abrasion-resistant, super-strong PU material
- oil/petroleum-proof
- completely smooth inner lining for ideal flow characteristics
- microbe-resistant
- high vacuum/pressure resistance
- extremely flexible
- good chemical resistance
- generally good UV & ozone resistance
- halogen-free & plasticizer-free
- high tensile strength

### Temperature Range

- -40 °C to +90 °C
- peaks to +125 °C

DN	Op. Pressure c. bar	Vacuum c. mmWS	Bend Radius c. mm	Outer-Ø c. mm	Weight c. kg/m	Article No.	Stock Length
38	4.35	9600	130	50	0.8	123-038-101	10 m
40	4.25	9600	135	52	0.8	123-040-101	10 m
45	4.12	9600	155	57	1.0	123-045-101	10 m
51	4.00	9600	170	66	1.2	123-051-101	10 m
55	3.80	9600	175	72	1.3	123-055-101	10 m
60	3.70	9600	185	77	1.5	123-060-101	10 m
65	3.50	9600	190	82	1.6	123-065-101	10 m
76	3.15	9600	250	93	1.9	123-076-101	10 m
80	2.90	9600	270	97	2.1	123-080-101	10 m
90	2.70	9600	285	107	2.4	123-090-101	10 m
102	2.50	9600	300	119	2.6	123-102-101	10 m
115	2.30	9600	325	132	3.0	123-115-101	10 m
127	2.00	9600	350	144	3.3	123-127-101	10 m
152	1.50	9600	400	169	3.7	123-152-101	10 m

All data refers to a media and ambient temperature of +20 °C  
Available from stock in the above listed lengths and sizes.  
Available on request in other lengths, sizes and with print.  
Subject to technical changes and colour deviations.

# High Performance for Tough Conditions

Industrial applications, such as the transport of highly abrasive bulk solids, place great demands on hoses with regards to their durability and reliability.

Even in the most extreme applications, the newly developed Master-PUR Performance is the one real solution, which no-one else can offer. Its perfectly smooth inner lining not only provides an absolutely optimum transport performance, but also cuts your

energy consumption in all applications. The unique manufacturing process makes it the most abrasion-resistant PU spiral hose in the world. Durability, longer maintenance intervals and cost-efficiency are guaranteed.

[The highlight is its extreme flexibility.](#)

[Even with its highly robust design, it can be easily installed in even the smallest of spaces.](#)

## Industry Sectors & Applications:

### Plastics



#### Applications

Transport of granules with a high GRP ratio or granule drying

### Bulk Solids



#### Applications

Transport of more demanding materials, such as quartz, stones, glass or ceramic fragments in the bulk solids industry

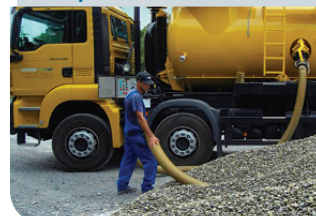
### Insulation



#### Applications

Transport of highly abrasive media, such as rock wool, glass wool or plaster used in the manufacturing of insulation materials

### Disposal



#### Applications

Suction and blower vehicles for roof gravelling, gravel removal and all forms of industrial cleaning

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