

PU-Hoses



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Master-PUR H Trivolution

The Master-PUR H Trivolution is a PU suction- and transport hose with good flexibility, permanently antistatic, microbe resistant and hardly inflammable according to DIN 4102 B1. The surface resistance is $< 10^9$ Ohm.

Material

- Spiral: spring steel wire
- Wall: pure polyester polyurethane acc. DIN ISO 4649 more abrasion resistant in comparison to polyether polyurethane
- Wall thickness between spirals approx. 1.4 mm

Temperature range

- -40°C to $+90^{\circ}\text{C}$; peaks to $+125^{\circ}\text{C}$

Applications

- Suction of coarse-grained media with high flow rate
- For abrasive solids, gaseous, and liquid media
- Standard hose for industrial vacuum cleaners
- Granulate transport hose
- Transport of chips / shavings
- Suction and transport of paper fibres
- Oil mist extraction/suction

Properties

- hardly inflammable acc. to DIN 4102 B1
- permanently antistatic, surface resistance $RO < 10^9$ Ohm according to DIN EN ISO 8031:2010-04
- acco. to TRGS 727 (Zone 20) for combustible dusts/bulk solids for discharging electrostatic charges with grounding of the spiral ends on both sides
- mikrobe resistant
- good resistance to chemicals, oil and fuel
- small bending radius
- optimum flow characteristics
- highly abrasion-resistant
- medium duty - good flexibility
- free of halogens and plasticizers
- gas-tight
- increased pressure & vacuum resistance
- high tensile strength
- generally good UV and ozone resistance

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Master-PUR H Trivolution						
Diameter	Length	Weight/m	Outer diameter approx.	Designation	Material	Article number
32 mm	at request	0.39 kg	41 mm	PUR-H	PU hose	7032MAPU1
38 mm	10 mtr.	0.46 kg	47 mm	PUR-H	PU hose	7038MAPU1-1
38 mm	15 mtr.	0.46 kg	47 mm	PUR-H	PU hose	7038MAPU1
38 mm	20 mtr.	0.46 kg	47 mm	PUR-H	PU hose	7038MAPU1-2
40 mm	10 mtr.	0.49 kg	49 mm	PUR-H	PU hose	7040MAPU1-1
40 mm	15 mtr.	0.49 kg	49 mm	PUR-H	PU hose	7040MAPU1
40 mm	20 mtr.	0.49 kg	49 mm	PUR-H	PU hose	7040MAPU1-2
45 mm	10 mtr.	0.55 kg	55 mm	PUR-H	PU hose	7045MAPU1-1
45 mm	15 mtr.	0.55 kg	55 mm	PUR-H	PU hose	7045MAPU1
45 mm	20 mtr.	0.55 kg	55 mm	PUR-H	PU hose	7045MAPU1-2
50 mm	10 mtr.	0.71 kg	61 mm	PUR-H	PU hose	7050MAPU1-1
50 mm	15 mtr.	0.71 kg	61 mm	PUR-H	PU hose	7050MAPU1
50 mm	20 mtr.	0.71 kg	61 mm	PUR-H	PU hose	7050MAPU1-2
60 mm	10 mtr.	0.84 kg	70 mm	PUR-H	PU hose	7060MAPU1-1
60 mm	15 mtr.	0.84 kg	70 mm	PUR-H	PU hose	7060MAPU1
60 mm	20 mtr.	0.84 kg	70 mm	PUR-H	PU hose	7060MAPU1-2
63 mm	at request	0.88 kg	72,6 mm	PUR-H	PU hose	7063MAPU1
65 mm	at request	0.91 kg	75 mm	PUR-H	PU hose	7065MAPU1
70 mm	at request	0.97 kg	80 mm	PUR-H	PU hose	7070MAPU1
75 mm	at request	1.06 kg	87 mm	PUR-H	PU hose	7075MAPU1
80 mm	at request	1.11 kg	91 mm	PUR-H	PU hose	7080MAPU1
90 mm	at request	1.25 kg	101 mm	PUR-H	PU hose	7090MAPU1
100 mm	at request	1.48 kg	112 mm	PUR-H	PU hose	7100MAPU1
110 mm	at request	1.61 kg	121 mm	PUR-H	PU hose	7110MAPU1
120 mm	at request	1.75 kg	131 mm	PUR-H	PU hose	7120MAPU1

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Master-PUR HX Trivolution

The Master-PUR HX Trivolution is a highly abrasion resistant and vacuum proof PU suction hose and transport hose with reinforcement underneath the spiral. It is permanently antistatic, microbe-resistant, hardly inflammable (acc. to DIN 4102 B1) with a surface resistance $< 10^9$ Ohm.

Material

- Spiral: spring steel wire
- Wall: pure polyester polyurethane acc. DIN ISO 4649 more abrasion-resistant in comparison to polyether polyurethane
- Wall thickness between the spirals approx. 1.7 - 2.1 mm, depending on DN

Temperature range

- -40°C to $+90^{\circ}\text{C}$; peaks to $+125^{\circ}\text{C}$

Applications

- for increased requirements of abrasion resistance and durability
- Suction & transport hose for extremel abrasive media
- Flat-roof gravelling
- Workinghose for silo vehicles and cargo depots
- Transport hose for problematic media, e.g. sand, gravel, grain, granules

Properties

- hardly inflammable acc. to DIN 4102 B1
- permanently antistatic, surface-resistance $RO < 10^9$ Ohm, acc. to DIN EN ISO 8031:2010-04
- approved acco. to TRGS 727 (Zone 20) and ATEX 2014/34 EU
- microbe-resistant
- extremely abrasion resistant via specific reinforcements underneath the spiral
- resistant to oil and fuel
- flexible
- halogen and plasticizer-free
- smooth inner lining, optimum flow characteristics
- high vacuum and apex pressure resistance
- high durable long service lifes
- good resistance to chemicals
- generally good UV and ozone resistance

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Master-PUR HX Trivolution						
Diameter	Length	Weight/m	Outer diameter approx.	Designation	Material	Article number
32 mm	at request	0.66 kg	42 mm	PUR-HX	PU hose	7032MAPU2
38 mm	at request	0.78 kg	48 mm	PUR-HX	PU hose	7038MAPU2
40 mm	at request	0.83 kg	50 mm	PUR-HX	PU hose	7040MAPU2
45 mm	at request	0.92 kg	55 mm	PUR-HX	PU hose	7045MAPU2
50 mm	at request	1.04 kg	60 mm	PUR-HX	PU hose	7050MAPU2
60 mm	at request	1.20 kg	70 mm	PUR-HX	PU hose	7060MAPU2
65 mm	at request	1.29 kg	75 mm	PUR-HX	PU hose	7065MAPU2
70 mm	at request	1.38 kg	80 mm	PUR-HX	PU hose	7070MAPU2
75 mm	at request	1.50 kg	85 mm	PUR-HX	PU hose	7075MAPU2
75 mm	at request	1.50 kg	85 mm	PUR-HX	PU hose	7076MAPU2
80 mm	at request	1.93 kg	93 mm	PUR-HX	PU hose	7080MAPU2
90 mm	at request	2.16 kg	103 mm	PUR-HX	PU hose	7090MAPU2
100 mm	at request	2.60 kg	113 mm	PUR-HX	PU hose	7100MAPU2
110 mm	at request	2.82 kg	124 mm	PUR-HX	PU hose	7110MAPU2
120 mm	at request	3.07 kg	134 mm	PUR-HX	PU hose	7120MAPU2
125 mm	at request	3.44 kg	138 mm	PUR-HX	PU hose	7125MAPU2

PVC-Hoses

NORPLAST® PVC-CU 384 AS

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The NORPLAST® PVC-CU 384 AS is a suction and transport hose with following properties: heavy duty, smooth interior, with grounding wire, permanently antistatic wall: electrical and surface resistance 10^9 Ohm approx.

NORPLAST® PVC-CU 384 AS						
Diameter	Length	Weight/m	Outer diameter approx.	Designation	Material	Article number
40 mm	at request	0.57 kg	48 mm	N 384 C-AS	PVC hose	7040NOPV3
50 mm	at request	0.82 kg	59 mm	N 384 C-AS	PVC hose	7050NOPV3
60 mm	at request	0.99 kg	69 mm	N 384 C-AS	PVC hose	7060NOPV3