



Master-PUR HX Trivolution

Article Master No.: 000158

PU Transport hose & Suction Hose, highly abrasion resistant and vacuum proof, with reinforcement underneath the spiral, antistatic, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

antistatic | microbe resistant | flame retardant | transparent | moderately flexible | heavy | very pressure resistant

Product Details

Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of pure material, made of specified material, extremely abrasion resistant due to specific reinforcement underneath the spiral, addition of a non-migrating permanent antistatic agent, wall thickness between the spirals approx. 2.0 mm
- Material of the wall: polyester polyurethane
- Specifications of the wall: surface resistance $R_o < 10^9$ Ohm, measured according to DIN EN ISO 8031, flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: complies with DIN 26057 Type IV, according to TRGS 727 and ATEX 2014/34 EU, see « Downloads and Certificates «
- Chemical Properties: microbe-resistant, good UV resistance, halogen-free, good resistance to oil, good resistance to petrol, good ozone resistance, plasticiser-free
- Flexibility: moderately flexible
- Physical Properties: permanently antistatic
- Weight: heavy

- Pressure Resistance: very pressure resistant
- Colour: transparent
- Other: high vacuum and peak pressure resistance, configurable as a hose system with digital interface for compatibility with the AMPIUS® app

Operating Temperature

- Temperature Range: -40to 90°C
- short-term maximum temperature: peaks to 125 °C

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters and lengths also ex-stock

Application Areas

- Areas of application: Agriculture, Automotive, Plant & Mechanical Engineering, Industry, Semiconductor Industry, Bulk & Construction, Sea & Rail transport, Wood, Chemistry, Food & Pharma, Waste Disposal & Cleaning Technology, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, Vehicle Construction, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours, other lengths, other nominal widths, with customer-specific imprint

Article Variants

Extended Article Number	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000158:32:x	32	42	80	0.66	4.85	0.94	20.00	5 / 10	2,5 / 7,5 / 15 / 20
000158:38:x	38	48	95	0.78	4.39	0.94	20.00	10	2,5 / 5 / 7,5 / 15 / 20
000158:40:x	40	50	100	0.83	4.27	0.94	20.00	5 / 7,5 / 10 / 15 / 20	2,5
000158:45:x	45	55	115	0.92	4.10	0.94	20.00	15	2,5 / 5 / 7,5 / 10 / 20
000158:51:x	51	61	125	1.04	4.00	0.94	20.00	5 / 7,5 / 10 / 15 / 20	2,5
000158:55:x	55	65	140	1.10	3.75	0.89	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:60:x	60	70	150	1.20	3.60	0.89	20.00	5 / 7,5 / 10 / 15 / 20	2,5
000158:65:x	65	75	165	1.29	3.30	0.89	20.00	5 / 7,5 / 10 / 15	2,5 / 20
000158:70:x	70	80	175	1.38	3.15	0.89	20.00	2,5 / 5 / 10	7,5 / 15 / 20
000158:76:x	76	87	190	1.50	2.92	0.89	20.00	5 / 10 / 15	2,5 / 7,5 / 20
000158:80:x	80	93	200	1.93	2.77	0.89	20.00	2,5 / 5 / 10 / 15	7,5 / 20
000158:90:x	90	103	225	2.16	2.40	0.89	20.00	10 / 15	2,5 / 5 / 7,5 / 20
000158:100:x	100	113	238	2.53	2.15	0.88	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:102:x	102	115	250	2.60	2.10	0.87	20.00	2,5 / 5 / 10 / 15 / 20	7,5
000158:110:x	110	124	275	2.82	1.95	0.87	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:115:x	115	129	290	2.94	1.80	0.87	20.00	5 / 10	2,5 / 7,5 / 15 / 20
000158:120:x	120	134	300	3.07	1.65	0.87	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20

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000158:125:x	125	138	311	3.34	1.65	0.87	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:127:x	127	140	315	3.44	1.65	0.87	20.00	2,5 / 10 / 15 / 20	5 / 7,5
000158:130:x	130	143	325	3.54	1.65	0.84	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:140:x	140	153	350	3.81	1.50	0.83	20.00	2,5 / 5 / 10	7,5 / 15 / 20
000158:150:x	150	165	434	4.08	1.50	0.82	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:152:x	152	167	450	4.13	1.50	0.82	20.00	2,5 / 5 / 10 / 15 / 20	7,5
000158:160:x	160	175	500	4.81	1.35	0.81	20.00	5 / 10	2,5 / 7,5 / 15 / 20
000158:170:x	170	185	600	5.10	1.20	0.80	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:175:x	175	190	650	5.25	1.20	0.79	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:180:x	180	195	700	5.40	1.20	0.77	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:200:x	200	217	918	6.30	1.07	0.68	15.00	2,5 / 5 / 7,5 / 10	15 / 20
000158:203:x	203	220	950	6.43	1.05	0.66	15.00	2,5 / 5 / 7,5 / 10 / 15	20
000158:225:x	225	241	1150	7.11	0.90	0.58	10.00	10	2,5 / 5 / 7,5 / 15 / 20
000158:250:x	250	267	1300	7.91	0.90	0.51	10.00	2,5 / 5 / 10	7,5 / 15 / 20
000158:254:x	254	271	1325	8.04	0.88	0.50	10.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:275:x	275	292	1450	8.68	0.75	0.47	10.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000158:300:x	300	317	1600	9.45	0.60	0.42	10.00		2,5 / 5 / 7,5 / 10 / 15 / 20

All data refer to a medium and ambient temperature of +20°C.
Specification of the bending radius related to the inside of the hose bend
Subject to technical changes and colour deviations

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Suitable for the product



Combiflex PU Swivel Flange
screw-on plastic collar with loose flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



Combiflex PU Cone Flange, screwable
screw-on quick connector system for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, following DIN 3016



Combiflex PU Fixed Flange
screw-on plastic flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges according to DIN 2632 / DIN 2633 / DIN 2673



Combiflex PU Threaded Sockets
PU threaded connector for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, based on DIN ISO 228



Hose Clamp with Bolts
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301
Special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



Individual consultation

We offer consultation by phone: **+49 209 97077 0**

Product requests via: **https://www.masterflex-slang.nl/**

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