

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, extra reinforced wear zones, 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 $R_0 < 10^9$ Ohm, measured according to DIN EN ISO 8031, material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649, flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: complies with DIN 26057, according to TRGS 727 and ATEX 2014/34 EU
- 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: -40 - 90
- short-term maximum temperature: peaks to 125 °C

Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths 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	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000158:32:x	000158	32	42	80	0.66	4.85	0.94	20.00	5, 7.50, 10
000158:38:x	000158	38	48	95	0.78	4.39	0.94	20.00	5, 7.50, 10, 15
000158:40:x	000158	40	50	100	0.83	4.27	0.94	20.00	5, 7.50, 10, 15, 20
000158:45:x	000158	45	55	115	0.92	4.10	0.94	20.00	5, 7.50, 10, 15
000158:51:x	000158	51	61	125	1.04	4.00	0.94	20.00	2.50, 5, 7.50, 10, 15, 20
000158:55:x	000158	55	65	140	1.10	3.75	0.89	20.00	2.50, 5, 7.50, 10, 15
000158:60:x	000158	60	70	150	1.20	3.60	0.89	20.00	2.50, 5, 7.50, 10, 15, 20
000158:65:x	000158	65	75	165	1.29	3.30	0.89	20.00	2.50, 5, 7.50, 10, 15
000158:70:x	000158	70	80	175	1.38	3.15	0.89	20.00	2.50, 5, 7.50, 10, 15
000158:76:x	000158	76	87	190	1.50	2.92	0.89	20.00	2.50, 5, 7.50, 10, 15
000158:80:x	000158	80	93	200	1.93	2.77	0.89	20.00	2.50, 5, 7.50, 10, 15
000158:90:x	000158	90	103	225	2.16	2.40	0.89	20.00	2.50, 5, 7.50, 10, 15
000158:100:x	000158	100	113	238	2.53	2.15	0.88	20.00	/
000158:102:x	000158	102	115	250	2.60	2.10	0.87	20.00	2.50, 5, 7.50, 10, 15, 20
000158:110:x	000158	110	124	275	2.82	1.95	0.87	20.00	2.50, 5, 7.50, 10
000158:115:x	000158	115	129	290	2.94	1.80	0.87	20.00	2.50, 5, 7.50, 10
000158:120:x	000158	120	134	300	3.07	1.65	0.87	20.00	2.50, 5, 7.50, 10

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000158:125:x	000158	125	138	311	3.34	1.65	0.87	20.00	/
000158:127:x	000158	127	140	315	3.44	1.65	0.87	20.00	2.50, 5, 7.50, 10, 15, 20
000158:130:x	000158	130	143	325	3.54	1.65	0.84	20.00	/
000158:140:x	000158	140	153	350	3.81	1.50	0.83	20.00	2.50, 5, 7.50, 10
000158:150:x	000158	150	165	434	4.08	1.50	0.82	20.00	/
000158:152:x	000158	152	167	450	4.13	1.50	0.82	20.00	2.50, 5, 7.50, 10, 15, 20
000158:160:x	000158	160	175	500	4.81	1.35	0.81	20.00	2.50, 5, 7.50, 10
000158:170:x	000158	170	185	600	5.10	1.20	0.80	20.00	/
000158:175:x	000158	175	190	650	5.25	1.20	0.79	20.00	/
000158:180:x	000158	180	195	700	5.40	1.20	0.77	20.00	2.50, 5, 7.50, 10
000158:200:x	000158	200	217	918	6.30	1.07	0.68	15.00	/
000158:203:x	000158	203	220	950	6.43	1.05	0.66	15.00	2.50, 5, 7.50, 10, 15
000158:225:x	000158	225	241	1150	7.11	0.90	0.58	10.00	2.50, 5, 7.50, 10
000158:250:x	000158	250	267	1300	7.91	0.90	0.51	10.00	2.50, 5, 7.50, 10
000158:254:x	000158	254	271	1325	8.04	0.88	0.50	10.00	/
000158:275:x	000158	275	292	1450	8.68	0.75	0.47	10.00	/
000158:300:x	000158	300	317	1600	9.45	0.60	0.42	10.00	2.50, 5, 7.50, 10

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

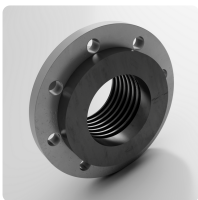
Delivery Variants

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)).

Possible Connection Elements



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 97077-112

Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

