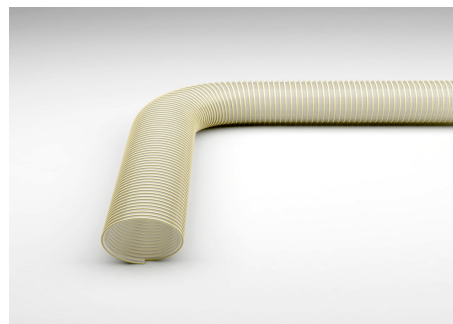


MASTER-PUR HX TRIVOLUTION

Ref 000158

PU Transport hose & Suction Hose, highly abrasion resistant and vacuum proof, with reinforcement



Antistatic

Microbe resistant

Flame-retardant

Flexible

Pressure resistant

-40 to +90 °C

CONSTRUCTION & MATERIALS

- Construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- 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
- Wall material: polyester polyurethane
- Specifications of the wall: surface resistance $R < 10^9$ 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
- Chemical resistance: 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: 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

TEMPERATURE

- Operating range: -40 to 90 °C
- Short-term peak: peaks to 125 °C

APPLICATIONS & INDUSTRIES

- Applications: 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

STANDARDS & COMPLIANCE

- ATEX 2014/34/EU, TRGS 727, DIN 4102 B1

VARIANT SPECIFICATIONS

34 sizes · DN 32 to 300 mm

Article no.	DN (mm)	Outer Ø (mm)	Bend radius (mm)	Weight (kg/m)	Working press. (bar)	Vacuum (bar)
000158:32:x	32	42	80	0.66	4.85	0.94
000158:38:x	38	48	95	0.78	4.39	0.94
000158:40:x	40	50	100	0.83	4.27	0.94
000158:45:x	45	55	115	0.92	4.10	0.94
000158:51:x	51	61	125	1.04	4.00	0.94
000158:55:x	55	65	140	1.10	3.75	0.89
000158:60:x	60	70	150	1.20	3.60	0.89
000158:65:x	65	75	165	1.29	3.30	0.89
000158:70:x	70	80	175	1.38	3.15	0.89
000158:76:x	76	87	190	1.50	2.92	0.89
000158:80:x	80	93	200	1.93	2.77	0.89
000158:90:x	90	103	225	2.16	2.40	0.89
000158:100:x	100	113	238	2.53	2.15	0.88
000158:102:x	102	115	250	2.60	2.10	0.87
000158:110:x	110	124	275	2.82	1.95	0.87
000158:115:x	115	129	290	2.94	1.80	0.87
000158:120:x	120	134	300	3.07	1.65	0.87
000158:125:x	125	138	311	3.34	1.65	0.87
000158:127:x	127	140	315	3.44	1.65	0.87
000158:130:x	130	143	325	3.54	1.65	0.84
000158:140:x	140	153	350	3.81	1.50	0.83
000158:150:x	150	165	434	4.08	1.50	0.82
000158:152:x	152	167	450	4.13	1.50	0.82
000158:160:x	160	175	500	4.81	1.35	0.81
000158:170:x	170	185	600	5.10	1.20	0.80
000158:175:x	175	190	650	5.25	1.20	0.79
000158:180:x	180	195	700	5.40	1.20	0.77
000158:200:x	200	217	918	6.30	1.07	0.68
000158:203:x	203	220	950	6.43	1.05	0.66
000158:225:x	225	241	1150	7.11	0.90	0.58
000158:250:x	250	267	1300	7.91	0.90	0.51
000158:254:x	254	271	1325	8.04	0.88	0.50
000158:275:x	275	292	1450	8.68	0.75	0.47
000158:300:x	300	317	1600	9.45	0.60	0.42

Lengths. Supplied in standard stock lengths – see flex-appeal.co.uk for available sizes.