

Master-PUR HX Trivolution

PU Transport & Suction Hose, highly abrasion-resistant and vacuum-proof, with reinforcement underneath the spiral, antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



Material

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

Applications

- for increased requirements of abrasion resistance and durability
- Suction & Transport Hose for extremely abrasive media
- Flat roof gravelling
- Working Hose for silo vehicles and cargo depots
- Transport Hose for problematic media, e.g. sand, gravel, grain, granulates

Properties

- halogen and plasticizer-free
- extremely abrasion-resistant via specific reinforcements underneath the spiral
- high vacuum and apex pressure resistance
- flexible
- smooth inner lining, optimum flow characteristics
- highly durable, long service lives
- good chemical resistance
- generally good UV and ozone resistance
- oil/petroleum-proof
- gas-tight
- high tensile strength
- acc. to TRBS 2153 (Zone 20) for non-flammable dust/bulk solids for conducting electrostatic charges when earthed at both ends of the spiral
- microbe-resistant
- antistatic, surface resistance $< 10^9$ Ohm
- hardly inflammable acc. to DIN 4102 B1

Temperature Range

- -40°C to +90°C
- peaks to +125°C

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DN	op. pressure c. bar	vacuum c. mmWC	bend radius c. mm*	outer Ø c. mm	weight c. kg/m	article no	stock length
32	4,85	9400	80	42	0,66	114-032-101	10m/15m
38	4,39	9400	95	48	0,78	114-038-101	10m/15m
40	4,27	9400	100	50	0,83	114-040-101	10m/15m
45	4,1	9400	115	55	0,92	114-045-101	10m/15m
50	4	9400	125	61	1,04	114-050-101	10m/15m
55	3,75	8900	140	65	1,1	114-055-101	10m/15m
60	3,6	8900	150	70	1,2	114-060-101	10m/15m
65	3,3	8900	165	75	1,29	114-065-101	10m/15m
70	3,15	8900	175	80	1,38	114-070-101	10m/15m
75	2,92	8900	190	87	1,5	114-075-101	10m/15m
80	2,77	8900	200	93	1,93	114-080-101	10m/15m
90	2,4	8900	225	103	2,16	114-090-101	10m/15m
100	2,1	8700	250	115	2,6	114-100-101	10m/15m
110	1,95	8700	275	124	2,82	114-110-101	10m/15m
115	1,8	8700	290	129	2,94	114-115-101	10m/15m
120	1,65	8700	300	134	3,07	114-120-101	10m/15m
125	1,65	8700	315	140	3,44	114-125-101	10m/15m
130	1,65	8400	325	143	3,54	114-130-101	10m/15m
140	1,5	8300	350	153	3,81	114-140-101	10m/15m
150	1,5	8200	450	167	4,13	114-150-101	10m/15m
160	1,35	8100	500	175	4,81	114-160-101	10m/15m
170	1,2	8000	600	185	5,1	114-170-101	10m/15m
175	1,2	7900	650	190	5,25	114-175-101	10m/15m
180	1,2	7700	700	195	5,4	114-180-101	10m/15m
200	1,05	6600	950	220	6,43	114-200-101	10m/15m
225	0,9	5800	1150	241	7,11	114-225-101	10m
250	0,9	5100	1300	267	7,91	114-250-101	10m
275	0,75	4700	1450	292	8,68	114-275-101	10m
300	0,6	4200	1600	317	9,45	114-300-101	10m

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