

Master-PUR H-EL

PU Suction & Transport Hose, medium duty, electroconductive, surface resistance $\leq 10^4$ Ohm



Material

spiral: spring steel wire
wall: electrically conductive polyurethane
wall thickness between spirals approx. 1.4 mm

Applications

- Suction & Transport Hose for abrasive solids, liquids and gases
- Protective Hose against mechanical wear
- Suction of coarse-grained media with high flow rate
- Oil mist extraction/suction
- Danger zones, which require electrically conductive hoses
- Special hose for industrial vacuum cleaners in explosion-protected areas

Properties

- highly abrasion-resistant
- good chemical resistance
- generally good UV and ozone resistance
- oil/petroleum-proof
- gas-tight
- small bending radii
- increased pressure and vacuum resistance
- mostly smooth inner lining
- optimum flow characteristics
- extremely flexible
- lightweight
- halogen-free
- surface resistance $\leq 10^4$ Ohm
- acc. to TRBS 2153 (Zone 0, 20) for non-flammable liquids/dusts for dissipation of electrostatic charges with grounding on both ends of the helix

Temperature Range

- -40°C to +90°C
- peaks to +125°C

DN	working pressure c.bar	low pressure c. mmWC	bending radius c. mm*	outer diameter c. mm	weight c. kg/m	article no.	stock length
25	4,16	9400	47	33	0,29	111-025-207	10m/15m
32	3,25	9400	60	41	0,39	111-032-207	10m/15m
38	3,12	8400	69	47	0,46	111-038-207	10m/15m
40	3	8350	72	49	0,49	111-040-207	10m/15m
45	2,95	8250	80	55	0,55	111-045-207	/
50	2,9	8000	87	61	0,71	111-050-207	10m/15m
55	2,75	7750	95	65	0,77	111-055-207	/
60	2,55	7500	102	70	0,84	111-060-207	10m/15m
65	2,4	6750	112	75	0,91	111-065-207	10m/15m
70	2,25	6750	117	80	0,97	111-070-207	10m/15m
75	2	6000	126	87	1,06	111-075-207	10m/15m
80	2	6000	132	91	1,11	111-080-207	10m/15m
90	1,65	5250	149	101	1,25	111-090-207	10m/15m
100	1,5	4500	165	112	1,48	111-100-207	10m/15m
110	1,35	4500	179	121	1,61	111-110-207	/
115	1,35	3125	186	126	1,68	111-115-207	/
120	1,3	3125	194	131	1,75	111-120-207	/
125	1,3	3125	203	138	1,91	111-125-207	10m
130	1,3	3125	209	141	1,96	111-130-207	/
140	1,05	2500	224	151	2,11	111-140-207	/
150	1,05	2500	242	163	2,29	111-150-207	10m
160	0,9	2500	255	171	2,51	111-160-207	10m
170	0,9	1875	270	181	2,67	111-170-207	/
175	0,9	1875	278	186	2,74	111-175-207	/
180	0,75	1875	285	191	2,82	111-180-207	/
200	0,75	1875	321	215	3,3	111-200-207	10m
225	0,6	1250	353	237	3,65	111-225-207	/
250	0,6	1250	390	263	3,84	111-250-207	10m
275	0,45	1250	426	288	4,22	111-275-207	/
280	0,45	1250	435	293	4,3	111-280-207	/
300	0,45	1250	465	313	4,94	111-300-207	10m
315	0,45	1250	488	328	5,19	111-315-207	/
325	0,45	1250	503	338	5,35	111-325-207	/
350	0,45	1250	540	363	6,96	111-350-207	/
375	0,3	675	580	388	7,45	111-375-207	/
400	0,3	675	615	413	7,95	111-400-207	/
450	0,3	675	690	463	8,94	111-450-207	/
500	0,3	675	765	513	9,93	111-500-207	/

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 and sizes with print.
Subject to technical changes and colour deviations.