

Master-PUR H EL

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



Technical Drawing



Connections



Construction



Material

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

Applications

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

Properties

- acc. to DIN 26057
- surface resistance $R_o < 10^3$ Ohm
- small bending radius

- good flexibility
- medium duty
- halogen-free
- increased pressure and vacuum resistance
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- configurable as a hose system with digital interface for compatibility with the AMPIUS® APP
- acc. to DIN 26057

Temperature Range

- -40°C to +90°C
- peaks to +125°C

Product Variations

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	article no.	stock length	max. production length
	bar	bar	mm	mm	kg		m	m
25	4,17	0,92	46	32	0,28	000075:25:x	/	25
26	4,16	0,92	47	33	0,29	000075:26:x	5/10	25
32	3,25	0,92	60	41	0,39	000075:32:x	5/10/15	25
38	3,12	0,82	69	47	0,46	000075:38:x	5/10/15	25
40	3	0,82	72	49	0,49	000075:40:x	5/10	25
45	2,95	0,81	80	55	0,55	000075:45:x	/	25
50	2,91	0,79	86	60	0,68	000075:50:x	/	25
51	2,9	0,79	87	61	0,71	000075:51:x	5/10/15	25
55	2,75	0,76	95	65	0,77	000075:55:x	/	25
60	2,55	0,74	102	70	0,84	000075:60:x	5/10	25
65	2,4	0,66	112	75	0,91	000075:65:x	5/10	25
70	2,25	0,66	117	80	0,97	000075:70:x	5/10	25
75	2,04	0,6	125	86	1,05	000075:75:x	/	25
76	2	0,59	126	87	1,06	000075:76:x	/	25
80	2	0,59	132	91	1,11	000075:80:x	5/10	25
90	1,65	0,52	149	101	1,25	000075:90:x	/	25
100	1,53	0,45	162	110	1,44	000075:100:x	/	25
102	1,5	0,44	165	112	1,48	000075:102:x	5/10	25
110	1,35	0,44	179	121	1,61	000075:110:x	/	25
115	1,35	0,31	186	126	1,68	000075:115:x	/	25
120	1,3	0,31	194	131	1,75	000075:120:x	/	25
125	1,3	0,31	203	138	1,91	000075:125:x	/	25
127	1,3	0,31	205	139	1,91	000075:127:x	/	25
130	1,3	0,31	209	141	1,96	000075:130:x	/	25
140	1,05	0,25	224	151	2,11	000075:140:x	/	25
150	1,05	0,25	239	161	2,26	000075:150:x	/	25
152	1,05	0,25	242	163	2,29	000075:152:x	/	25
160	0,9	0,25	255	171	2,51	000075:160:x	/	25
170	0,9	0,18	270	181	2,67	000075:170:x	/	25

175	0,9	0,18	278	186	2,74	000075:175:x	/	25
180	0,75	0,18	285	191	2,82	000075:180:x	/	25
200	0,75	0,18	316	212	3,41	000075:200:x	/	25
203	0,75	0,18	321	215	3,50	000075:203:x	/	25
225	0,6	0,12	353	237	3,65	000075:225:x	/	25
250	0,6	0,12	385	259	3,84	000075:250:x	/	25
254	0,6	0,12	390	263	3,84	000075:254:x	/	25
275	0,45	0,12	426	288	4,22	000075:275:x	/	25
280	0,45	0,12	435	293	4,30	000075:280:x	/	25
300	0,45	0,12	465	313	4,94	000075:300:x	/	20
315	0,45	0,12	488	328	5,19	000075:315:x	/	20
325	0,45	0,12	503	338	5,35	000075:325:x	/	20
350	0,45	0,12	540	363	6,96	000075:350:x	/	20
375	0,3	0,07	580	388	7,45	000075:375:x	/	20
400	0,3	0,07	615	413	7,95	000075:400:x	/	20
450	0,3	0,07	690	463	8,94	000075:450:x	/	20
500	0,3	0,07	765	513	9,93	000075:500:x	/	20

All data refers to a medium and ambient temperature of +20 °C.

* Refers to the inner hose lining

Subject to technical changes and colour deviations.

Available on request

- Available on request in other lengths and sizes with print.