

# Master-PUR H-EL

PU Suction & Transport Hose, medium duty, highly flexible, electroconductive

## Material

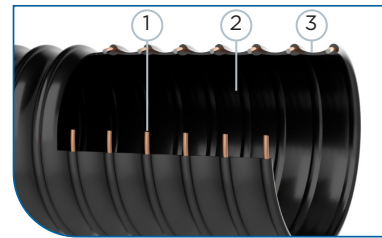
- 1 spiral: spring steel wire
- 2 wall: electrically conductive polyurethane
- 3 wall thickness between spirals approx. 1.4

## Applications

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

## Properties

- surface resistance  $R_o < 10^3 \text{ Ohm}$
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- small bending radius
- good flexibility
- medium duty
- halogen-free
- increased pressure and vacuum resistance
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- acc. to DIN 26057 type III



## Temperature Range

- -40°C to +90°C
- peaks to +125°C

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	old article no.	new article no.	standard length	max. production length
mm	bar	bar	mm	mm	kg			m	m
25*	4.17	0.92	46	32	0.28	111E-025-x	000075-025-x	10	25
26	4.16	0.92	47	33	0.29	111E-026-x	000075-026-x	10	25
32	3.25	0.92	60	41	0.39	111E-032-x	000075-032-x	10	25
38	3.12	0.82	69	47	0.46	111E-038-x	000075-038-x	10	25
40	3	0.82	72	49	0.49	111E-040-x	000075-040-x	10	25
45*	2.95	0.81	80	55	0.55	111E-045-x	000075-045-x	10	25
50*	2.91	0.79	86	60	0.68	111E-050-x	000075-050-x	10	25
51	2.9	0.79	87	61	0.71	111E-051-x	000075-051-x	10	25
55*	2.75	0.76	95	65	0.77	111E-055-x	000075-055-x	10	25
60	2.55	0.74	102	70	0.84	111E-060-x	000075-060-x	10	25
65	2.4	0.66	112	75	0.91	111E-065-x	000075-065-x	10	25
70	2.25	0.66	117	80	0.97	111E-070-x	000075-070-x	10	25
75*	2.04	0.6	125	86	1.05	111E-075-x	000075-075-x	10	25
76*	2	0.59	126	87	1.06	111E-076-x	000075-076-x	10	25
80	2	0.59	132	91	1.11	111E-080-x	000075-080-x	10	25
90*	1.65	0.52	149	101	1.25	111E-090-x	000075-090-x	10	25
100*	1.53	0.45	162	110	1.44	111E-100-x	000075-100-x	10	25
102	1.5	0.44	165	112	1.48	111E-102-x	000075-102-x	10	25
110*	1.35	0.44	179	121	1.61	111E-110-x	000075-110-x	10	25
115*	1.35	0.31	186	126	1.68	111E-115-x	000075-115-x	10	25
120*	1.3	0.31	194	131	1.75	111E-120-x	000075-120-x	10	25
125*	1.3	0.31	203	138	1.91	111E-125-x	000075-125-x	10	25
127*	1.3	0.31	205	139	1.91	111E-127-x	000075-127-x	10	25
130*	1.3	0.31	209	141	1.96	111E-130-x	000075-130-x	10	25
140*	1.05	0.25	224	151	2.11	111E-140-x	000075-140-x	10	25
150*	1.05	0.25	239	161	2.26	111E-150-x	000075-150-x	10	25
152*	1.05	0.25	242	163	2.29	111E-152-x	000075-152-x	10	25
160*	0.9	0.25	255	171	2.51	111E-160-x	000075-160-x	10	25
170*	0.9	0.18	270	181	2.67	111E-170-x	000075-170-x	10	25
175*	0.9	0.18	278	186	2.74	111E-175-x	000075-175-x	10	25
180*	0.75	0.18	285	191	2.82	111E-180-x	000075-180-x	10	25
200*	0.75	0.18	316	212	3.41	111E-200-x	000075-200-x	10	25
203*	0.75	0.18	321	215	3.5	111E-203-x	000075-203-x	10	25
225*	0.6	0.12	353	237	3.65	111E-225-x	000075-225-x	10	25
250*	0.6	0.12	385	259	3.84	111E-250-x	000075-250-x	10	25
254*	0.6	0.12	390	263	3.84	111E-254-x	000075-254-x	10	25
275*	0.45	0.12	426	288	4.22	111E-275-x	000075-275-x	10	25
280*	0.45	0.12	435	293	4.3	111E-280-x	000075-280-x	10	25
300*	0.45	0.12	465	313	4.94	111E-300-x	000075-300-x	10	20
315*	0.45	0.12	488	328	5.19	111E-315-x	000075-315-x	10	20
325*	0.45	0.12	503	338	5.35	111E-325-x	000075-325-x	10	20
350*	0.45	0.12	540	363	6.96	111E-350-x	000075-350-x	10	20
375*	0.3	0.07	580	388	7.45	111E-375-x	000075-375-x	10	20
400*	0.3	0.07	615	413	7.95	111E-400-x	000075-400-x	10	20
450*	0.3	0.07	690	463	8.94	111E-450-x	000075-450-x	10	20
500*	0.3	0.07	765	513	9.93	111E-500-x	000075-500-x	10	20

All data refers to a medium and ambient temperature of +20 °C.  
 \* Available on request  
 Subject to technical changes and colour deviations.



Clip-Grip Quick-Fix Clamp



Clip-Grip Hose Clamp, screwable



Combiflex PU Threaded Socket



PU Cuff, electroconductive



Hose Connector