

## Master-PUR HX EL

**PU Suction & Transport Hose, flexible, highly abrasion-proof and vacuum-proof, electroconductive, surface resistance  $10^3$  Ohm**



Technical Drawing



Connections



Construction



### Material

- spiral: spring steel wire
- wall: electrically conductive polyurethane
- wall thickness between spirals approx. 1.7 - 2.1 mm, depending on DN

### Applications

- Danger zones, which require electrically conductive hoses
- Suction of coarse-grained media with highest flow rate
- Protective hose against greater mechanical wear
- Suction and transport hose for extremely abrasive solid, liquid and gaseous media

### Properties

- acc. to DIN 26057
- surface resistance  $R_o < 10^3$  Ohm
- extremely abrasion resistant via specific reinforcements underneath the spiral

- approved acc. to TRGS 727 and ATEX 2014/34 EU. [Details acc. to certificate](#)
- flexible
- high vacuum and apex pressure resistance
- highly durable, long service lives
- optimum flow characteristics
- mostly smooth inner lining
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance

#### Temperature Range

- -40°C to +90°C
- peaks to +125°C

#### Product Variations Product Variations (\*\*Please replace “x” with your desired hose length.)

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	old article no.	**new article no.	stock length	max. production length
	bar	bar	mm	mm	kg			m	m
32	4,85	0,94	80	42	0,69	114-032-207	000159:32:x	/	20
38	4,39	0,94	95	48	0,78	114-038-207	000159:38:x	/	20
40	4,27	0,94	100	50	0,81	114-040-207	000159:40:x	/	20
45	4,1	0,94	115	55	0,88	114-045-207	000159:45:x	/	20
50	4,02	0,94	123	60	0,94	114-050-207	000159:50:x	/	20
51	4	0,94	125	61	0,95	114-051-207	000159:51:x	/	20
55	3,75	0,89	140	65	1,08	114-055-207	000159:55:x	/	20
60	3,6	0,89	150	70	1,2	114-060-207	000159:60:x	/	20
65	3,3	0,89	165	75	1,33	114-065-207	000159:65:x	/	20
70	3,15	0,89	175	80	1,49	114-070-207	000159:70:x	/	20
75	2,96	0,89	188	86	1,65	114-075-207	000159:75:x	/	20
76	2,92	0,89	190	87	1,68	114-076-207	000159:76:x	/	20
80	2,77	0,89	200	93	1,85	114-080-207	000159:80:x	/	20
90	2,4	0,89	225	103	2,1	114-090-207	000159:90:x	/	20
100	2,15	0,87	246	113	2,28	114-100-207	000159:100:x	/	20
102	2,1	0,87	250	115	2,32	114-102-207	000159:102:x	/	20
110	1,95	0,87	275	124	2,6	114-110-207	000159:110:x	/	20
115	1,8	0,87	290	129	2,73	114-115-207	000159:115:x	/	20
120	1,65	0,87	300	134	2,86	114-120-207	000159:120:x	/	20
125	1,65	0,87	311	138	2,97	114-125-207	000159:125:x	/	20
127	1,65	0,87	315	140	3,01	114-127-207	000159:127:x	/	20
130	1,65	0,84	325	143	3,25	114-130-207	000159:130:x	/	20
140	1,5	0,83	350	153	3,66	114-140-207	000159:140:x	/	20
150	1,5	0,82	371	165	4,07	114-150-207	000159:150:x	/	20
152	1,5	0,82	375	167	4,15	114-152-207	000159:152:x	/	20
160	1,35	0,81	400	175	4,55	114-160-207	000159:160:x	/	20
170	1,2	0,8	425	185	5,01	114-170-207	000159:170:x	/	20
175	1,2	0,79	440	190	5,27	114-175-207	000159:175:x	/	20
180	1,2	0,77	450	195	5,52	114-180-207	000159:180:x	/	20
200	1,07	0,67	493	217	5,99	114-200-207	000159:200:x	/	15
203	1,05	0,66	500	220	6,06	114-203-207	000159:203:x	/	15

225	0,9	0,58	565	241	6,99	114-225-207	000159:225:x	/	10
250	0,9	0,52	617	263	7,91	114-250-207	000159:250:x	/	10
254	0,9	0,51	625	267	7,91	114-254-207	000159:254:x	/	10
275	0,75	0,47	690	292	8,67	114-275-207	000159:275:x	/	10
300	0,6	0,42	750	317	9,42	114-300-207	000159:300:x	/	10

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 the above listed lengths, sizes and colours.  
Alternatively, also available with print.