Master-PUR HX EL

PU Suction & Transport Hose, heavy duty, flexible, electroconductive

Material

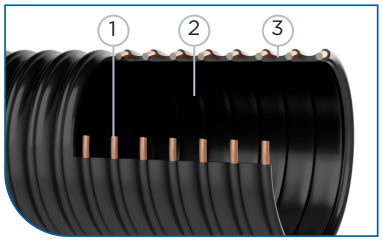
1 spiral: spring steel wire
2 wall: electrically conductive polyurethane
3 wall thickness between spirals approx. 1.7 - 2.1 mm, depending on DN

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

- surface resistance $R_o < 10^3$ Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- extremely abrasion resistant via specific reinforcements underneath the spiral
- 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
- acc. to DIN 26057 type IV

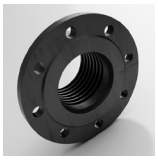


Temperature Range

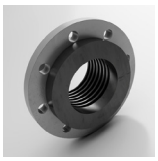
- -40°C to +90°C
- peaks to +125°C

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
32*	4.85	0.94	80	42	0.69	114E-032-x	000159-32-x	10	20
38*	4.39	0.94	95	48	0.78	114E-038-x	000159-38-x	10	20
40*	4.27	0.94	100	50	0.81	114E-040-x	000159-40-x	10	20
45*	4.1	0.94	115	55	0.88	114E-045-x	000159-45-x	10	20
50*	4.02	0.94	123	60	0.94	114E-050-x	000159-50-x	10	20
51*	4	0.94	125	61	0.95	114E-051-x	000159-51-x	10	20
55*	3.75	0.89	140	65	1.08	114E-055-x	000159-55-x	10	20
60*	3.6	0.89	150	70	1.2	114E-060-x	000159-60-x	10	20
65*	3.3	0.89	165	75	1.33	114E-065-x	000159-65-x	10	20
70*	3.15	0.89	175	80	1.49	114E-070-x	000159-70-x	10	20
75*	2.96	0.89	188	86	1.65	114E-075-x	000159-75-x	10	20
76*	2.92	0.89	190	87	1.68	114E-076-x	000159-76-x	10	20
80*	2.77	0.89	200	93	1.85	114E-080-x	000159-80-x	10	20
90*	2.4	0.89	225	103	2.1	114E-090-x	000159-90-x	10	20
100*	2.15	0.87	246	113	2.28	114E-100-x	000159-100-x	10	20
102*	2.1	0.87	250	115	2.32	114E-102-x	000159-102-x	10	20
110*	1.95	0.87	275	124	2.6	114E-110-x	000159-110-x	10	20
115*	1.8	0.87	290	129	2.73	114E-115-x	000159-115-x	10	20
120*	1.65	0.87	300	134	2.86	114E-120-x	000159-120-x	10	20
125*	1.65	0.87	311	138	2.97	114E-125-x	000159-125-x	10	20
127*	1.65	0.87	315	140	3.01	114E-127-x	000159-127-x	10	20
130*	1.65	0.84	325	143	3.25	114E-130-x	000159-130-x	10	20
140*	1.5	0.83	350	153	3.66	114E-140-x	000159-140-x	10	20
150*	1.5	0.82	371	165	4.07	114E-150-x	000159-150-x	10	20
152*	1.5	0.82	375	167	4.15	114E-152-x	000159-152-x	10	20
160*	1.35	0.81	400	175	4.55	114E-160-x	000159-160-x	10	20
170*	1.2	0.8	425	185	5.01	114E-170-x	000159-170-x	10	20
175*	1.2	0.79	440	190	5.27	114E-175-x	000159-175-x	10	20
180*	1.2	0.77	450	195	5.52	114E-180-x	000159-180-x	10	20
200*	1.07	0.67	493	217	5.99	114E-200-x	000159-200-x	10	15
203*	1.05	0.66	500	220	6.06	114E-203-x	000159-203-x	10	15
225*	0.9	0.58	565	241	6.99	114E-225-x	000159-225-x	10	10
250*	0.9	0.52	617	263	7.91	114E-250-x	000159-250-x	10	10
254*	0.9	0.51	625	267	7.91	114E-254-x	000159-254-x	10	10
275*	0.75	0.47	690	292	8.67	114E-275-x	000159-275-x	10	10
300*	0.6	0.42	750	317	9.42	114E-300-x	000159-300-x	10	10

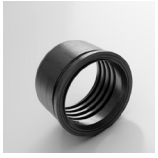
All data refers to a medium and ambient temperature of +20 °C.
* Available on request
Subject to technical changes and colour deviations.



Combiflex PU Fixed Flange, pre-fixed



Combiflex PU Swivel Flange, pre-fixed



Combiflex PU Cone Flange, pre-fixed

Hose Clamp with Bolts

Combiflex metal male threaded socket

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