

Master-PUR LF Trivolution

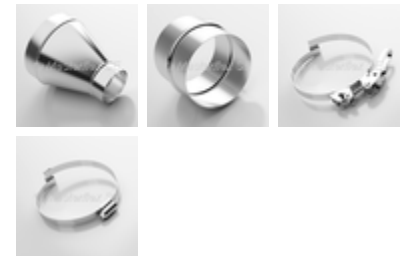
PU Suction hose & Transport Hose, light duty, very lightweight, antistatic, surface resistance < 10^9 Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: pure polyester polyurethane (acc. to DIN ISO 4649 more abrasion-resistant in comparison to polyether polyurethane)
- wall thickness between spirals approx. 0.4 - 0.5mm

Applications

- Transport of fine-grained particles, such as dust and powder
- Suction & transport hose for abrasive solids, liquids and gases
- Protective hose against mechanical wear
- Ventilation
- Oil mist extraction/suction
- Wood dust extraction

Properties

- acc. to DIN 26057
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- hardly inflammable acc. to DIN 4102 B1
- microbe-resistant
- extremely compressible to approx. 1:5
- approved acc. to TRGS 727 and ATEX 2014/34 EU. [Details acc. to certificate](#)
- permanently antistatic, surface resistance < 10⁹ Ohm
- symmetrical fold behaviour
- highly flexible
- smallest bending radii
- halogen free
- very light
- permanently kink resistant
- highly abrasion-resistant
- 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 (**Please replace "x" with your desired hose length.)

DN	vacuum	bend radius	outer Ø	weight/m	old article no.	**new article no.	stock length	max. production length
	bar	mm	mm	kg			m	m
40	0,19	22	45	0,15	305-040-101	000378:40:x	5/10	25
45	0,18	24	50	0,16	305-045-101	000378:45:x	/	25
50	0,16	25	55	0,18	305-050-101	000378:50:x	/	25
51	0,16	26	56	0,18	305-051-101	000378:51:x	5/10/15/20	25
60	0,15	30	65	0,21	305-060-101	000378:60:x	5/10/15/20	25
63	0,14	32	68	0,22	305-063-101	000378:63:x	/	25
65	0,13	33	70	0,23	305-065-101	000378:65:x	5/10	25
70	0,13	35	75	0,28	305-070-101	000378:70:x	5/10/15	25
75	0,11	37	80	0,3	305-075-101	000378:75:x	/	25
76	0,1	38	81	0,3	305-076-101	000378:76:x	5/10	25
80	0,1	40	85	0,32	305-080-101	000378:80:x	5/10/15/20	25
90	0,07	45	95	0,35	305-090-101	000378:90:x	5/10/15	25
100	0,07	50	105	0,4	305-100-101	000378:100:x	/	25
102	0,07	51	107	0,41	305-102-101	000378:102:x	5/10/15/20	25
110	0,07	55	115	0,44	305-110-101	000378:110:x	5/10/15	25
115	0,07	57	120	0,46	305-115-101	000378:115:x	/	25
120	0,07	60	125	0,48	305-120-101	000378:120:x	5/10/15/20	25
125	0,07	63	130	0,49	305-125-101	000378:125:x	/	25
127	0,07	64	132	0,5	305-127-101	000378:127:x	5/10	25
130	0,07	65	135	0,52	305-130-101	000378:130:x	/	25
140	0,05	70	145	0,55	305-140-101	000378:140:x	5/10/15	25
150	0,05	75	155	0,59	305-150-101	000378:150:x	/	25
152	0,05	76	157	0,6	305-152-101	000378:152:x	5/10/15	25
160	0,05	80	165	0,69	305-160-101	000378:160:x	5/10/15	25
170	0,05	85	175	0,73	305-170-101	000378:170:x	/	25
175	0,05	87	180	0,75	305-175-101	000378:175:x	/	25
180	0,05	90	185	0,77	305-180-101	000378:180:x	5/10/15	25

200	0,05	100	205	0,92	305-200-101	000378:200:x	/	25
203	0,05	102	208	0,94	305-203-101	000378:203:x	5/10/15	25
250	0,05	125	255	1,11	305-250-101	000378:250:x	/	25
254	0,02	127	259	1,12	305-254-101	000378:254:x	5/10/15	25
275	0,02	138	282	1,22	305-275-101	000378:275:x	/	25
280	0,02	140	285	1,22	305-280-101	000378:280:x	/	25
305	0,02	153	310	1,34	305-305-101	000378:305:x	5/10	25
315	0,02	158	320	1,38	305-315-101	000378:315:x	/	25
325	0,02	163	330	1,42	305-325-101	000378:325:x	/	25
350	0,02	175	355	1,53	305-350-101	000378:350:x	5/10	25
400	0,02	200	405	1,74	305-400-101	000378:400:x	5/10	25

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, sizes and colours, with print.