

Master-PUR H Trivolution

PU Suction hose & Transport Hose, very flexible, antistatic, surface resistance <math>< 10^9</math> 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. 1.4 mm

Applications

- Suction of coarse-grained media with high flow rate
- for abrasive solids, gaseous and liquid media
- Standard hose for industrial vacuum cleaners
- Granulate transport hose
- Transport of chips/shavings
- Suction and transport of paper fibres
- Oil mist extraction/suction

Properties

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- hardly inflammable acc. to DIN 4102 B1
- small bending radius
- good flexibility
- medium duty
- microbe-resistant
- permanently antistatic, surface resistance <math> < 10^9 </math> Ohm, measured according to DIN EN ISO 8031
- increased pressure and vacuum resistance
- free of halogens and plasticizers
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- configurable as a hose system with digital interface for compatibility with the AMPIUS® APP
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- 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
13	4,7	0,92	38	19	0,15	000063:13:x	5/10	25
16	4,5	0,92	40	22	0,2	000063:16:x	5/10/15	25
20	4,3	0,92	43	26	0,22	000063:20:x	5/10/15	25
25	4,19	0,92	46	32	0,28	000063:25:x	/	25
26	4,16	0,92	47	33	0,29	000063:26:x	5/10/15/20	25
30	3,25	0,92	51,3	39,2	0,32	000063:30:x	5/10/15	25
32	3,25	0,92	60	41	0,39	000063:32:x	5/10/15/20	25
38	3,12	0,82	69	47	0,46	000063:38:x	5/10/15/20	25
40	3	0,82	72	49	0,49	000063:40:x	5/10/15/20	25
45	2,95	0,81	80	55	0,55	000063:45:x	5/10/15/20	25
50	2,82	0,82	86	60	0,66	000063:50:x	/	25
51	2,9	0,82	87	61	0,71	000063:51:x	5/10/15/20	25
55	2,75	0,76	95	65	0,77	000063:55:x	5/10/15	25
60	2,55	0,74	102	70	0,84	000063:60:x	5/10/15/20	25
63	2,49	0,71	106	72,6	0,87	000063:63:x	5/10	25
65	2,4	0,66	112	75	0,91	000063:65:x	5/10/15/20	25
70	2,25	0,66	117	80	0,97	000063:70:x	5/10/15	25
75	2,05	0,63	125	85	1,05	000063:75:x	/	25
76	2	0,59	126	87	1,06	000063:76:x	5/10/15	25
80	2	0,59	132	91	1,11	000063:80:x	5/10/15	25
90	1,65	0,52	149	101	1,25	000063:90:x	5/10/15	25
100	1,54	0,45	163	110	1,43	000063:100:x	/	25
102	1,5	0,44	165	112	1,48	000063:102:x	5/10/15	25
110	1,35	0,46	179	121	1,61	000063:110:x	5/10/15	25

115	1,35	0,31	186	126	1,68	000063:115:x	5/10/15	25
120	1,3	0,31	194	131	1,75	000063:120:x	5/10/15	25
125	1,3	0,31	201	136	1,89	000063:125:x	/	25
127	1,3	0,31	203	138	1,91	000063:127:x	5/10/15	25
130	1,3	0,31	209	141	1,96	000063:130:x	5/10	25
140	1,05	0,26	224	151	2,11	000063:140:x	5/10/15	25
150	1,05	0,26	240	161	2,31	000063:150:x	/	25
152	1,05	0,26	242	163	2,29	000063:152:x	5/10/15	25
160	0,9	0,25	255	171	2,51	000063:160:x	5/10/15	25
170	0,9	0,18	270	181	2,67	000063:170:x	5/10	25
175	0,9	0,18	278	186	2,74	000063:175:x	/	25
180	0,75	0,18	285	191	2,82	000063:180:x	5/10	25
200	0,75	0,18	316	212	3,42	000063:200:x	/	25
203	0,75	0,18	321	215	3,5	000063:203:x	5/10/15	25
225	0,6	0,12	353	237	3,65	000063:225:x	5/10	25
250	0,6	0,12	390	263	3,91	000063:250:x	5/10/15	25
254	0,58	0,12	396	267	3,91	000063:254:x	/	25
275	0,45	0,12	426	288	4,22	000063:275:x	/	25
280	0,45	0,12	435	293	4,3	000063:280:x	/	25
300	0,45	0,12	465	313	4,94	000063:300:x	5/10	20
315	0,45	0,12	488	328	5,19	000063:315:x	/	20
325	0,45	0,12	503	338	5,35	000063:325:x	/	20
350	0,45	0,12	540	363	6,96	000063:350:x	5/10	20
375	0,3	0,07	580	388	7,45	000063:375:x	/	20
400	0,3	0,07	615	413	7,95	000063:400:x	5/10	20
450	0,3	0,07	690	463	8,94	000063:450:x	/	20
500	0,3	0,07	765	513	9,93	000063:500: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.

Manufacturing and Delivery

- Available from stock in the above listed lengths and sizes.

Available on request

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