

## Master-PUR H Trivolution

**PU Suction & Transport Hose,**  
**very flexible, antistatic, surface**  
**resistance < 10<sup>9</sup> Ohm,**  
**microbe-resistant, hardly**  
**flammable acc. to DIN 4102 B1**



### Material

- 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
- spiral: spring steel wire

### 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

- hardly flammable acc. to DIN 4102 B1
- antistatic, surface resistance < 10<sup>9</sup> Ohm
- acc. to TRBS 2153 (Zone 20) for flammable dust/bulk solids for conducting electrostatic charges when earthed at both ends of the spiral
- microbe-resistant
- highly abrasion-resistant
- oil/petroleum-proof
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- small bending radii
- optimum flow characteristics
- high tensile strength
- medium duty
- good flexibility
- free of halogens and plasticizers
- gas-tight
- generally good UV and ozone resistance
- increased pressure and vacuum resistance

### Product Variations

DN	op. pressure c. bar	vacuum c. bar	bend radius c. mm*	outer Ø c. mm	weight c. kg/m	article no	stock length	production length
13	4,7	0,92	38	19	0,15	111-013-401	10m/15m	10m/15m
16	4,5	0,92	40	22	0,2	111-016-401	10m/15m	10m/15m
20	4,3	0,92	43	26	0,22	111-020-401	10m/15m	10m/15m
25	4,16	0,92	47	33	0,29	111-025-401	10m/15m	10m/15m
32	3,25	0,92	60	41	0,39	111-032-401	10m/15m	10m/15m
38	3,12	0,82	69	47	0,46	111-038-401	10m/15m	10m/15m
40	3	0,82	72	49	0,49	111-040-401	10m/15m	10m/15m
45	2,95	0,81	80	55	0,55	111-045-401	10m/15m	10m/15m
50	2,9	0,82	87	61	0,71	111-050-401	10m/15m	10m/15m
55	2,75	0,76	95	65	0,77	111-055-401	10m/15m	10m/15m
60	2,55	0,74	102	70	0,84	111-060-401	10m/15m	10m/15m
65	2,4	0,66	112	75	0,91	111-065-401	10m/15m	10m/15m
70	2,25	0,66	117	80	0,97	111-070-401	10m/15m	10m/15m
75	2	0,59	126	87	1,06	111-075-401	10m/15m	10m/15m
80	2	0,59	132	91	1,11	111-080-401	10m/15m	10m/15m
90	1,65	0,52	149	101	1,25	111-090-401	10m/15m	10m/15m
100	1,5	0,44	165	112	1,48	111-100-401	10m/15m	10m/15m
110	1,35	0,46	179	121	1,61	111-110-401	10m/15m	10m/15m
115	1,35	0,31	186	126	1,68	111-115-401	10m/15m	10m/15m
120	1,3	0,31	194	131	1,75	111-120-401	10m/15m	10m/15m
125	1,3	0,31	203	138	1,91	111-125-401	10m/15m	10m/15m
130	1,3	0,31	209	141	1,96	111-130-401	10m/15m	10m/15m
140	1,05	0,26	224	151	2,11	111-140-401	10m/15m	10m/15m
150	1,05	0,26	242	163	2,29	111-150-401	10m/15m	10m/15m
160	0,9	0,25	255	171	2,51	111-160-401	10m/15m	10m/15m
170	0,9	0,18	270	181	2,67	111-170-401	10m/15m	10m/15m
175	0,9	0,18	278	186	2,74	111-175-401	10m/15m	10m/15m
180	0,75	0,18	285	191	2,82	111-180-401	10m/15m	10m/15m
200	0,75	0,18	321	215	3,5	111-200-401	10m/15m	10m/15m
225	0,6	0,12	353	237	3,65	111-225-401	10m/15m	10m/15m

250	0,6	0,12	390	263	3,84	111-250-401	10m/15m	10m/15m
275	0,45	0,12	426	288	4,22	111-275-401	10m	10m
280	0,45	0,12	435	293	4,3	111-280-401	10m	10m
300	0,45	0,12	465	313	4,94	111-300-401	10m	10m
315	0,45	0,12	488	328	5,19	111-315-401	/	10m
325	0,45	0,12	503	338	5,35	111-325-401	10m	10m
350	0,45	0,12	540	363	6,96	111-350-401	10m	10m
375	0,3	0,07	580	388	7,45	111-375-401	/	10m
400	0,3	0,07	615	413	7,95	111-400-401	10m	10m
450	0,3	0,07	690	463	8,94	111-450-401	10m	10m
500	0,3	0,07	765	513	9,93	111-500-401	10m	10m

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.

#### Temperature Range

- -40°C to +90°C
- peaks to +125°C

#### Available from stock

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

#### Available on request

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

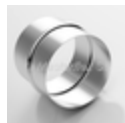
#### Connections



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



PU Cuff, electroconductive





Combiflex PU Threaded Socket



Combiflex PU Swivel Flange, screwable/fixed

## Construction

