

Master-PUR HX Trivolution

PU Transport hose & Suction Hose, highly abrasion resistant and vacuum proof, with reinforcement underneath the spiral, antistatic, surface resistance <math> < 10^9 </math> Ohm, microbe-resistant, hardly inflammable 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. 1.7 - 2.1 mm, depending on DN
- spiral: spring steel wire

Applications

- for increased requirements of abrasion resistance and durability
- Transport hose for problematic media, e.g. sand, gravel, grain, granules
- Suction & transport hose for extremely abrasive media
- Flat-roof gravelling
- Working hose for silo vehicles and cargo depots

Properties

- hardly inflammable acc. to DIN 4102 B1
- antistatic, surface resistance <math> < 10^9 </math> 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
- extremely abrasion resistant via specific reinforcements underneath the spiral
- oil/petroleum-proof
- flexible
- halogen and plasticizer-free
- smooth inner lining, optimum flow characteristics

- high vacuum and apex pressure resistance
- highly durable, long service lives
- good chemical resistance
- generally good UV and ozone resistance

Temperature Range

- -40°C to +90°C
- peaks to +125°C

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
32	4,85	0,94	80	42	0,66	114-032-101	10m/15m	10m/15m
38	4,39	0,94	95	48	0,78	114-038-101	10m/15m	10m/15m
40	4,27	0,94	100	50	0,83	114-040-101	10m/15m	10m/15m
45	4,1	0,94	115	55	0,92	114-045-101	10m/15m	10m/15m
50	4	0,94	125	61	1,04	114-050-101	10m/15m	10m/15m
55	3,75	0,89	140	65	1,1	114-055-101	10m/15m	10m/15m
60	3,6	0,89	150	70	1,2	114-060-101	10m/15m	10m/15m
65	3,3	0,89	165	75	1,29	114-065-101	10m/15m	10m/15m
70	3,15	0,89	175	80	1,38	114-070-101	10m/15m	10m/15m
75	2,92	0,89	190	87	1,5	114-075-101	10m/15m	10m/15m
80	2,77	0,89	200	93	1,93	114-080-101	10m/15m	10m/15m
90	2,4	0,89	225	103	2,16	114-090-101	10m/15m	10m/15m
100	2,1	0,87	250	115	2,6	114-100-101	10m/15m	10m/15m
110	1,95	0,87	275	124	2,82	114-110-101	10m/15m	10m/15m
115	1,8	0,87	290	129	2,94	114-115-101	10m/15m	10m/15m
120	1,65	0,87	300	134	3,07	114-120-101	10m/15m	10m/15m
125	1,65	0,87	315	140	3,44	114-125-101	10m/15m	10m/15m
130	1,65	0,84	325	143	3,54	114-130-101	10m/15m	10m/15m
140	1,5	0,83	350	153	3,81	114-140-101	10m/15m	10m/15m
150	1,5	0,82	450	167	4,13	114-150-101	10m/15m	10m/15m
160	1,35	0,81	500	175	4,81	114-160-101	10m/15m	10m/15m
170	1,2	0,8	600	185	5,1	114-170-101	10m/15m	10m/15m
175	1,2	0,79	650	190	5,25	114-175-101	10m/15m	10m/15m
180	1,2	0,77	700	195	5,4	114-180-101	10m/15m	10m/15m
200	1,05	0,66	950	220	6,43	114-200-101	10m/15m	10m/15m
225	0,9	0,58	1150	241	7,11	114-225-101	10m	10m
250	0,9	0,51	1300	267	7,91	114-250-101	10m	10m
275	0,75	0,47	1450	292	8,68	114-275-101	10m	10m
300	0,6	0,42	1600	317	9,45	114-300-101	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.

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



Combiflex PU Cone Flange



Combiflex PU Fixed Flange, pre-fixed



Combiflex PU Threaded Socket, pre-fixed



Combiflex PU Swivel Flange, screwable/fixe



Hose Clamp with Bolts

Construction

