

## Master-PUR H Food A

Article Master No.: 000068

PU Suciton & Transport Hose, medium duty, very flexible, food-grade quality acc. to EU 10/2011 and FDA, permanently antistatic



antistatic



hydrolysis resistant



food approved



microbe resistant



transparent



flexible



medium heavy



pressure resistant

### Product Details

#### Construction / Material

- Type of construction: Profile extruded hose with metal spiral
- Spiral Design: made from stainless steel wire
- Material of the spiral: Stainless steel 1.4310, Spring steel
- Execution of the wall: made of pure material, made of specified material, Addition of a non-migrating permanent antistatic agent, Wall thickness between the spirals approx. 1.4 mm
- Material of the wall: Polyether Polyurethane
- Specifications of the wall: Surface resistance  $R_0 < 10^9$  Ohm, measured according to DIN EN ISO 8031, Material complies with food regulations FDA 21 CFR § 177.2600 and 21 CFR § 177.1680

#### Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU, with grounding on both sides of the spiral for aspirative and pneumatic conveying of non-flammable dusts and bulk materials in zone 22. For conveying gases and liquids with low conductivity in zone 2., Manufacturing process according to GMP EC 2023/2006
- Chemical Properties: microbe-resistant, good UV resistance, halogen-free, good resistance to chemicals, good ozone resistance, hydrolysis resistant, plasticiser-free
- Flexibility: flexible
- Physical Properties: permanently antistatic

- Weight: medium heavy
- Pressure Resistance: pressure resistant
- Colour: transparent
- Other: largely smooth inside

### Operating Temperature

- Temperature Range: -40 - 90
- short-term maximum temperature: peaks to 125 °C

### Delivery Information

- Delivery, type of production: Various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

### Application Areas

- Areas of application: Bulk & Construction, Chemistry, Food & Pharma, Plastics

### Customizing Options

- optional item modification (on request): other colours, other lengths, other nominal widths, with customer-specific imprint

## Article Variants

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000068:20:x	000068	20	28	45	0.23	4.30	0.92	25.00	
000068:26:x	000068	26	33	50	0.30	4.16	0.92	25.00	5, 10
000068:30:x	000068	30	39	56	0.37	3.51	0.92	25.00	
000068:32:x	000068	32	41	60	0.39	3.25	0.92	25.00	5, 10
000068:38:x	000068	38	47	70	0.46	3.12	0.82	25.00	5, 10
000068:40:x	000068	40	49	70	0.49	3.00	0.82	25.00	5, 10
000068:45:x	000068	45	55	80	0.55	2.95	0.81	25.00	
000068:50:x	000068	50	60	86	0.68	2.90	0.80	25.00	
000068:51:x	000068	51	61	87	0.71	2.90	0.79	25.00	5, 10
000068:55:x	000068	55	65	95	0.77	2.75	0.76	25.00	
000068:60:x	000068	60	70	105	0.84	2.55	0.74	25.00	5, 10
000068:65:x	000068	65	75	115	0.91	2.40	0.66	25.00	5, 10
000068:70:x	000068	70	80	120	0.97	2.25	0.66	25.00	
000068:76:x	000068	76	87	125	1.06	2.00	0.59	25.00	5, 10
000068:80:x	000068	80	91	135	1.11	2.00	0.59	25.00	5, 10
000068:90:x	000068	90	101	149	1.25	1.65	0.52	25.00	
000068:100:x	000068	100	110	163	1.44	1.50	0.45	25.00	
000068:102:x	000068	102	112	165	1.48	1.50	0.44	25.00	5, 10
000068:115:x	000068	115	126	186	1.68	1.35	0.31	25.00	
000068:120:x	000068	120	131	195	1.75	1.30	0.31	25.00	
000068:127:x	000068	127	138	205	1.91	1.30	0.31	25.00	
000068:130:x	000068	130	141	209	1.96	1.30	0.31	25.00	

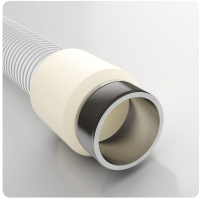
Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000068:150:x	000068	150	161	243	2.26	1.05	0.25	25.00	
000068:152:x	000068	152	163	245	2.29	1.05	0.25	25.00	
000068:160:x	000068	160	171	255	2.51	0.90	0.25	25.00	
000068:170:x	000068	170	181	255	2.67	0.90	0.18	25.00	
000068:175:x	000068	175	186	255	2.74	0.90	0.18	25.00	
000068:180:x	000068	180	191	285	2.82	0.75	0.18	25.00	
000068:203:x	000068	203	215	325	3.50	0.75	0.18	25.00	
000068:250:x	000068	250	362	372	4.30	0.73	0.18	25.00	

All data refer to a medium and ambient temperature of +20°C.  
 Specification of the bending radius related to the inside of the hose bend  
 Subject to technical changes and colour deviations

## Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

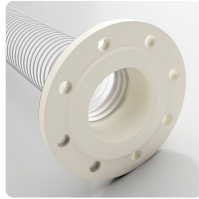
## Possible Connection Elements



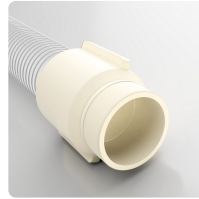
**Combiflex VA Threaded Sockets Food**  
 cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011



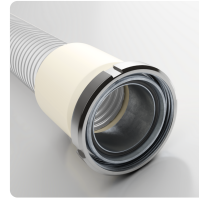
**Master-Grip Double Wire Clamp, screw-fitting**  
 Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO



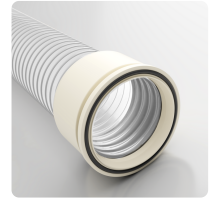
**Combiflex Cast-on PU Fixed Flange Food**  
 fixed flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



**Combiflex PU Threaded Sockets Food**  
 cast-on PU threaded connector for attaching fittings to Master-PUR Food hoses, approved for direct food contact EU 10/2011, following DIN ISO 228



**Combiflex Dairy Fitting Cone Sockets**  
 cast-on tube fitting with groove nut to DIN 11851 for Master-PUR Food hoses, food-safe EU 10/2011



**Combiflex PU Cone Flange Food**  
 fixed quick connector system for all Master-PUR Food hose types, following DIN 3016, food-safe EU 10/2011

### Individual consultation

We offer consultation by phone:  
 +49 209 97077-112

Product requests via  
[masterflex.de/en](http://masterflex.de/en)

### Address Headquarters

Masterflex SE  
 Willy-Brandt-Allee 300  
 45981 Gelsenkirchen

