

SUCTION AND TRANSPORT HOSE HEAVYWEIGHT

Master-PUR H-F

Material

Hose wall: 100% pure polyester polyurethane, highly abrasion-resistant
Spiral: PU-coated spring steel wire

Applications

- Food industry
- Pharmaceutical industry
- Suction and transport hose for abrasive solids and gases
- Suction of paper and textile fibers
- Transport of large amounts of abrasive media
- Transport hose for abrasive solids in fire risk areas
- Woodworking machines
- Exhaust equipment in wood-working industries
- Rear suction hoses on small machines, public utility cleansing and refuse collection vehicles
- Wet and dry process conveyance

Properties

- Antistatic, surface resistance $R_o < 10^9$ ohm
- Flame-resistant
- Hose wall (conforms to FDA food contact as described in book 21, section 177.2600 and 177.1680)
- Good flexibility
- Small bend radius
- Heavyweight
- High tensile and burst strength
- Highly abrasion-resistant
- Kink-resistant
- Oil/petroleum-proof
- Solvent-resistant
- Gas-tight
- Halogen/plasticizer-free
- Good UV/ozone resistance
- Improved pressure and vacuum characteristics
- Smooth inside, for optimum flow characteristics
- Good chemical resistance



The PUR hose series combines the 3 most important features of a spiral hose into 1 product: antistatic + flame-resistant + food-grade.

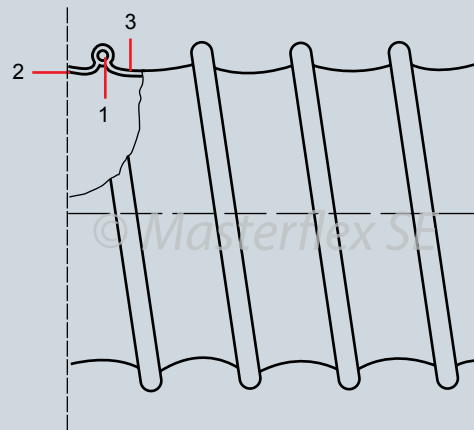
A combination with unbeatable features!

~Dr. Les Spark



Construction

1. PU-coated spring steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .055"



Temperature Range

- -22°F to +195°F
- Intermittent to +260°F

Chem. Resistance

See resistance table



MASTERDUCT
Connecting Values

Master-PUR H-F

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
1.52	1,266	340	3.48	1.82	0.36578	303-038-401
2.00	1,166	320	4.08	2.44	0.37578	303-050-401
2.40	1,025	300	4.48	2.80	0.44286	303-060-401
2.60	965	270	4.68	3.00	0.48312	303-065-401
2.80	904	270	5.04	3.20	0.51667	303-070-401
3.00	904	240	5.04	3.48	0.55022	303-075-401
3.20	804	240	5.28	3.64	0.58377	303-080-401
3.60	663	210	5.96	4.04	0.65087	303-090-401
4.00	603	180	6.60	4.48	0.72468	303-100-401
4.40	543	180	7.16	4.84	0.79178	303-110-401
4.60	543	125	7.44	5.04	0.82533	303-115-401
4.80	522	125	7.76	5.24	0.86559	303-120-401
5.00	522	125	8.12	5.52	0.89914	303-125-401
5.20	522	125	8.36	5.64	0.93269	303-130-401
5.60	422	125	8.96	6.04	1.04676	303-140-401
6.00	422	125	9.68	6.52	1.11386	303-150-401
6.40	362	100	10.20	6.84	1.18767	303-160-401
6.80	362	100	10.80	7.24	1.26148	303-170-401
7.00	362	100	11.12	7.44	1.29503	303-175-401
7.20	301	75	11.40	7.64	1.91906	303-180-401
8.00	301	75	12.84	8.60	1.91906	303-200-401
9.00	241	50	14.12	9.48	2.15391	303-225-401
10.00	241	50	15.60	10.52	2.38876	303-250-401
11.00	181	50	17.04	11.52	2.62361	303-275-401
12.00	181	50	18.60	12.52	2.85846	303-300-401
12.60	181	50	19.52	13.12	2.99937	303-315-401
13.00	181	50	20.12	13.52	3.09331	303-325-401
14.00	181	50	21.60	14.52	3.32816	303-350-401
16.00	181	27	24.60	16.52	3.79786	303-400-401

*Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68° F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Standard Production

- Diameter: 1.52" to 16"
- Color: transparent
- Standard lengths: 25'

Available on Request

- Special lengths up to 50'
- Special diameters metric

Installation and connection possibilities



Master-Grip hose clamp, screwable



Hose clamp with worm-gear drive



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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