

# SUCTION AND TRANSPORT HOSE HEAVYWEIGHT

## Master-PUR H-X

### Material

Hose wall: 100% pure polyester polyurethane,  
highly abrasion-resistant  
Spiral: 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  $R_{\circ} < 10^9$  ohm**
- **Flame-resistant**
- **Hose wall (conforms to FDA food contact as described  
in book 21, section 177.2600 and 177.1680)**
- **New extruded construction for smoother hose wall  
and optimum flow**
- 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
- Good chemical resistance



### Construction

1. 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



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

# Master-PUR H-X

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending Radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
1.25	1306	369	2.36	1.61	0.26	803-032-401
1.52	1253	329	2.71	1.85	0.31	803-038-401
1.60	1205	329	2.83	1.92	0.33	803-040-401
2.00	1165	329	3.42	2.40	0.48	803-051-401
2.40	1024	297	4.01	2.75	0.56	803-060-401
2.50	964	265	4.41	2.95	0.61	803-063-401
2.80	903	265	4.61	3.15	0.65	803-070-401
3.00	803	237	4.96	3.42	0.71	803-076-401
3.20	803	237	5.19	3.58	0.75	803-080-401
3.50	662	208	5.87	3.98	0.84	803-090-401
4.00	602	176	6.49	4.40	0.99	803-102-401
5.00	522	124	7.99	5.43	1.28	803-127-401
5.60	421	104	8.81	5.94	1.42	803-142-401
6.00	421	104	9.52	6.41	1.69	803-152-401
6.40	361	100	10.03	6.73	1.79	803-160-401
7.00	301	72	11.22	7.51	1.89	803-178-401
8.00	301	72	12.63	8.46	2.35	803-203-401

\*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: 1.25" to 8"
- Color: transparent
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- Custom/metric diameters
- Master-PUR H-X-SS
- Master-PUR H-X-EC
- Minimum order quantities required

## 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

Masterduct, Inc.  
 5235 Ted Street  
 Houston, TX 77040 USA  
 Tel. +1 713 462-5779  
 Tel. +1 800 318-3300  
 Fax +1 713 939-8441  
 www.Masterduct.com  
 www.MasterflexGroup.com