

SUCTION AND TRANSPORT HOSE - HEAVY WEIGHT



MASTER-PUR H-F

Material

hose wall: 100 % pure polyester polyurethane. 30% more abrasion-resistant than polyether polyurethane
spiral: PU-coated spring steel wire

Applications

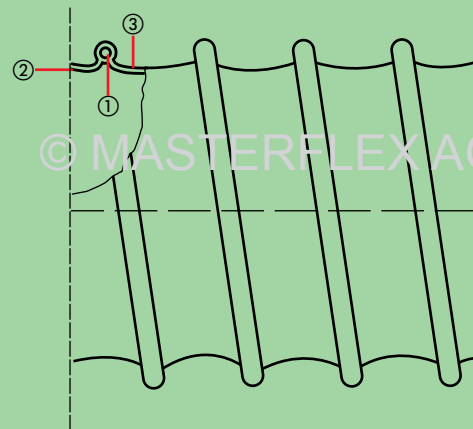
- suction and transport hose for abrasive materials
- gaseous and liquid media
- suction of paper and textile fibers
- transport of small particledusts and powders
- oil-spray extraction
- protection hose against mechanical pressure
- transport hose for abrasive solids in fire risk areas
- woodworking machines
- exhaust equipment in wood-working industries
- suction and transport hoses for abrasive solids where resistance to microbes is necessary for example:
 - rear suction hoses on small machines, public utility cleansing and refuse collection vehicles
 - lawn mowers
 - lawn sweepers
 - leaf suction machines
 - feed transport
 - grain transport
 - applications where improved pressure and vacuum is necessary

Properties

- highly abrasion-resistant
- resistant to oil and fuels
- gas-tight
- good chemical resistance
- resistant to solvents
- free of plastizisers and halogens
- UV- and ozone-resistant
- very flexible; light weight
- small bend radius
- improved pressure and vacuum characteristics
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral
- flame resistant
- microbe resistant

Construction

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



Temperature Range

- -22°F up to +195°F
- intermittent to +260°F

Chem. Resistance

see resistance table

Technical Data, custom designs and forms of delivery see back page



Masterduct
Member of the Masterflex-Group

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 |
|-----------|---------------------|---------------------|-----------------------|-----------------|-------------------|--------------|
| 1.50 | 1,266 | 340 | 3.48 | 1.82 | 0.36578 | 303-038-401 |
| 2.00 | 1,166 | 320 | 3.48 | 2.44 | 0.37576 | 303-050-401 |
| 2.50 | 965 | 270 | 4.48 | 3.00 | 0.48312 | 303-063-401 |
| 3.00 | 804 | 240 | 5.04 | 3.48 | 0.55022 | 303-075-401 |
| 3.50 | 663 | 210 | 5.96 | 4.04 | 0.65087 | 303-090-401 |
| 4.00 | 603 | 180 | 6.60 | 4.48 | 0.72468 | 303-100-401 |
| 4.50 | 543 | 125 | 7.44 | 5.04 | 0.82533 | 303-115-401 |
| 5.00 | 522 | 125 | 8.12 | 5.52 | 0.89914 | 303-125-401 |
| 5.50 | 422 | 100 | 8.96 | 6.04 | 1.04676 | 303-140-401 |
| 6.00 | 422 | 100 | 9.68 | 6.52 | 1.11386 | 303-150-401 |
| 6.40 | 362 | 100 | 10.20 | 6.84 | 1.18767 | 303-160-401 |
| 7.00 | 362 | 75 | 11.12 | 7.44 | 1.29503 | 303-175-401 |
| 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 |
| 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 | 121 | 27 | 24.60 | 16.52 | 3.79786 | 303-400-401 |

Delivery forms:

Standard production:

- Dia. 1.50" - 16"
- Color: clear
- Standard lengths 25'

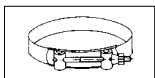
Available on request:

- special colors
- special lengths up to 50'
- special diameters - metric

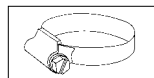
* Referring to the inner side of the elbow of hose.

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.

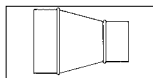
Installation and connection possibilities:



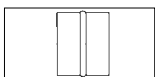
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector