

Master-PVC H

PVC Suction Hose & Transport Hose, medium-weight, flexible



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: soft PVC
- wall thickness between spirals approx. 1.4 mm

Applications

- Protective hose
- Liquid drainage
- Suction and transport hose for solid, liquid and gaseous media
- Ventilation and air-conditioning systems
- Transport of fine-grained particles, such as dust and powder

Properties

- good flexibility
- medium duty
- small bending radius
- optimum flow characteristics
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- good oil/alkali/acid resistance
- increased pressure and vacuum resistance
- good chemical resistance
- RoHs compliant
- acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for non-flammable dust/bulk solids in Zone 22. For gases/liquids with low conductivity of electrostatic charges in Zone 2.

Temperature Range

- -20°C to +70°C
- peaks to +80°C

Product Variations (**Please replace “x” with your desired hose length.)

| DN | op. pressure | vacuum | bend radius | outer Ø | weight/m | old article no. | **new article no. | stock length | max. production length |
|-----|--------------|--------|-------------|---------|----------|-----------------|-------------------|--------------|------------------------|
| | bar | bar | mm | mm | kg | | | m | m |
| 32 | 1,63 | 0,92 | 60 | 41 | 0,48 | 141-032-102 | 000230:32:x | / | 25 |
| 38 | 1,56 | 0,82 | 69 | 47 | 0,55 | 141-038-102 | 000230:38:x | / | 25 |
| 40 | 1,5 | 0,82 | 72 | 49 | 0,56 | 141-040-102 | 000230:40:x | / | 25 |
| 45 | 1,48 | 0,81 | 80 | 55 | 0,64 | 141-045-102 | 000230:45:x | / | 25 |
| 50 | 1,46 | 0,79 | 85 | 60 | 0,74 | 141-050-102 | 000230:50:x | / | 25 |
| 51 | 1,45 | 0,79 | 87 | 61 | 0,76 | 141-051-102 | 000230:51:x | 5/10 | 25 |
| 55 | 1,38 | 0,76 | 95 | 65 | 0,82 | 141-055-102 | 000230:55:x | / | 25 |
| 60 | 1,27 | 0,74 | 102 | 70 | 0,88 | 141-060-102 | 000230:60:x | / | 25 |
| 65 | 1,2 | 0,66 | 110 | 75 | 0,96 | 141-065-102 | 000230:65:x | / | 25 |
| 70 | 1,13 | 0,66 | 117 | 80 | 1,04 | 141-070-102 | 000230:70:x | / | 25 |
| 75 | 1,02 | 0,6 | 125 | 86 | 1,1 | 141-075-102 | 000230:75:x | / | 25 |
| 76 | 1 | 0,59 | 126 | 87 | 1,11 | 141-076-102 | 000230:76:x | / | 25 |
| 80 | 1 | 0,59 | 132 | 91 | 1,2 | 141-080-102 | 000230:80:x | / | 25 |
| 90 | 0,83 | 0,52 | 149 | 101 | 1,29 | 141-090-102 | 000230:90:x | / | 25 |
| 100 | 0,76 | 0,45 | 162 | 110 | 1,38 | 141-100-102 | 000230:100:x | / | 25 |
| 102 | 0,75 | 0,44 | 165 | 112 | 1,4 | 141-102-102 | 000230:102:x | / | 25 |
| 110 | 0,68 | 0,44 | 179 | 121 | 1,5 | 141-110-102 | 000230:110:x | / | 25 |
| 115 | 0,68 | 0,31 | 186 | 126 | 1,56 | 141-115-102 | 000230:115:x | / | 25 |
| 120 | 0,65 | 0,31 | 194 | 131 | 1,61 | 141-120-102 | 000230:120:x | / | 25 |
| 125 | 0,65 | 0,31 | 200 | 136 | 1,71 | 141-125-102 | 000230:125:x | / | 25 |
| 127 | 0,65 | 0,31 | 203 | 138 | 1,75 | 141-127-102 | 000230:127:x | / | 25 |
| 130 | 0,65 | 0,31 | 209 | 141 | 1,8 | 141-130-102 | 000230:130:x | / | 25 |
| 140 | 0,53 | 0,25 | 224 | 151 | 1,93 | 141-140-102 | 000230:140:x | / | 25 |
| 150 | 0,53 | 0,25 | 239 | 161 | 2,04 | 141-150-102 | 000230:150:x | / | 25 |
| 152 | 0,53 | 0,25 | 242 | 163 | 2,06 | 141-152-102 | 000230:152:x | / | 25 |
| 160 | 0,45 | 0,25 | 255 | 171 | 2,39 | 141-160-102 | 000230:160:x | / | 25 |
| 170 | 0,45 | 0,18 | 270 | 181 | 2,59 | 141-170-102 | 000230:170:x | / | 25 |
| 175 | 0,45 | 0,18 | 278 | 186 | 2,7 | 141-175-102 | 000230:175:x | / | 25 |
| 180 | 0,38 | 0,18 | 285 | 191 | 2,8 | 141-180-102 | 000230:180:x | / | 25 |
| 200 | 0,38 | 0,18 | 316 | 212 | 3,06 | 141-200-102 | 000230:200:x | / | 25 |
| 203 | 0,38 | 0,18 | 321 | 215 | 3,1 | 141-203-102 | 000230:203:x | / | 25 |
| 225 | 0,3 | 0,12 | 353 | 237 | 3,44 | 141-225-102 | 000230:225:x | / | 25 |
| 250 | 0,3 | 0,12 | 385 | 259 | 4,12 | 141-250-102 | 000230:250:x | / | 25 |

| | | | | | | | | | |
|-----|------|------|-----|-----|-------|-------------|--------------|---|----|
| 254 | 0,3 | 0,12 | 390 | 263 | 4,23 | 141-254-102 | 000230:254:x | / | 25 |
| 275 | 0,28 | 0,12 | 426 | 288 | 4,93 | 141-275-102 | 000230:275:x | / | 25 |
| 300 | 0,28 | 0,12 | 465 | 313 | 5,37 | 141-300-102 | 000230:300:x | / | 20 |
| 315 | 0,28 | 0,12 | 488 | 328 | 5,69 | 141-315-102 | 000230:315:x | / | 20 |
| 325 | 0,28 | 0,12 | 503 | 338 | 5,91 | 141-325-102 | 000230:325:x | / | 20 |
| 350 | 0,28 | 0,12 | 540 | 363 | 6,66 | 141-350-102 | 000230:350:x | / | 20 |
| 400 | 0,15 | 0,07 | 615 | 413 | 7,84 | 141-400-102 | 000230:400:x | / | 20 |
| 450 | 0,15 | 0,07 | 690 | 463 | 9,04 | 141-450-102 | 000230:450:x | / | 20 |
| 500 | 0,15 | 0,07 | 765 | 513 | 10,16 | 141-500-102 | 000230:500:x | / | 20 |

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 on request

- Available on request in other lengths, sizes.