



TERMOCLIP HT 450

Flexible hose made of a double layer of fabric. External layer in silicone-coated fibreglass fabric for high temperatures and internal layer in raw fibreglass fabric. External galvanized steel wire helix. Highly flexible and compressible with high tensile strength. Hardly inflammable. Does not emit toxic gases if used at high temperatures.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

| COLOR | LENGTH | WORKING TEMPERATURE |
|-------|--------------------|----------------------------|
| Grey | 3 or 6 m. standard | -60°C +450°C (peak +550°C) |

PRODUCTION DIAMETERS

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 50 | 55 | 60 | 65 | 70 | 75 | 80 | 90 | 100 | 110 | 120 | 125 | 130 | 140 | 150 | 160 | 170 | 175 | 180 |
| 200 | 215 | 225 | 250 | 275 | 300 | 315 | 325 | 350 | 375 | 400 | 450 | 500 | 550 | 600 | 700 | 800 | 900 | |

Diameters other than those indicated are available by prior feasibility check.

MAIN APPLICATIONS

Suction of exhaust gas from engines for the automotive and arms industry. For the construction of furnaces and assembly of engines in general. For the iron and steel industry and steelworks with high temperatures.

MAINTENANCE

Periodically check the state of wear of the hose and immediately replace it if damaged or broken. Pay maximum attention to the duct operating temperatures.

TECHNICAL DATA

| DIAMETERS | OPERATING PRESSURE | OPERATING VACUUM | INSIDE CURVATURE RADIUS | WEIGHT |
|-----------|--------------------|------------------|-------------------------|--------|
| [mm] | [bar] | [bar] | [mm] | [gr/m] |
| 50 | 0,9 | 0,44 | 30 | 600 |
| 60 | 0,78 | 0,306 | 36 | 700 |
| 75 | 0,62 | 0,196 | 45 | 1000 |
| 80 | 0,61 | 0,172 | 48 | 1000 |
| 100 | 0,51 | 0,11 | 60 | 1300 |
| 110 | 0,48 | 0,092 | 66 | 1300 |

| DIAMETERS | OPERATING PRESSURE | OPERATING VACUUM | INSIDE CURVATURE RADIUS | WEIGHT |
|-----------|--------------------|------------------|-------------------------|--------|
| [mm] | [bar] | [bar] | [mm] | [gr/m] |
| 120 | 0,36 | 0,077 | 72 | 1400 |
| 125 | 0,33 | 0,071 | 75 | 1400 |
| 150 | 0,22 | 0,049 | 90 | 1800 |
| 160 | 0,21 | 0,043 | 96 | 1800 |
| 180 | 0,172 | 0,035 | 108 | 2100 |
| 200 | 0,148 | 0,028 | 120 | 2300 |
| 250 | 0,1 | 0,018 | 175 | 2600 |
| 300 | 0,07 | 0,013 | 210 | 2750 |
| 350 | 0,056 | 0,009 | 245 | 3050 |
| 375 | 0,05 | 0,008 | 263 | 3200 |
| 400 | 0,047 | 0,007 | 280 | 3400 |
| 500 | 0,043 | 0,005 | 400 | 4500 |

Data given in this table are approximate. * Pressure and vacuum data based on +20°C room temperature.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica srl contribute to obtain the credits of the major international rating systems for sustainable buildings:



LEED

Contributes to credits:
MR



WELL

Contributes to credits:
MATERIALS

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl.

APPLICATIONS

| | | | | | | | | |
|---------------|-----------------|-------------------------|---------------------|---------|----------------|-----------------------|----------|-----------|
| | | | | | | | | |
| OEM | Smooth Surface | Working Temperature | Chemical Resistance | Warning | Tear Resistant | Calibrated Diameters* | Industry | Transport |
| | | | | | | | | |
| Non-magnetic* | Extractor Hoods | High Temp. Conditioning | | | | | | |

*on request

OPTIONS

TERMOCLIP HT400 - Flexible hose made of PU-coated fabric for high temperatures reinforced with a stainless steel weft. External galvanized steel wire helix.

TERMOCLIP HT550 - Flexible hose made of a double layer of fabric. External layer in PU-coated fabric for high temperatures reinforced with a stainless steel weft and internal layer in raw fibreglass fabric. External galvanized steel wire helix.