



SA10 MasterSan™



Flexible hose made of addivated polyolefin resins film with anti-bacterial, anti-mildew and anti-viral material protection with steel wire helix.

MasterSan™
in collaboration with:



TECHNICAL SPECIFICATIONS AND USAGE LIMIT

| COLOR | LENGTH | PRODUCTION DIAMETERS | WORKING TEMPERATURE | CURVATURE RADIUS | AIR SPEED | PRESSURE |
|-------|---------------|----------------------|--------------------------------|------------------|--------------|----------------------------|
| Grey | 10 m standard | from 80 to 406 mm | -20°C / +90°C (peak +110°C) | 0,6 x Ø | max 20 m/sec | max 200 mmH ₂ O |

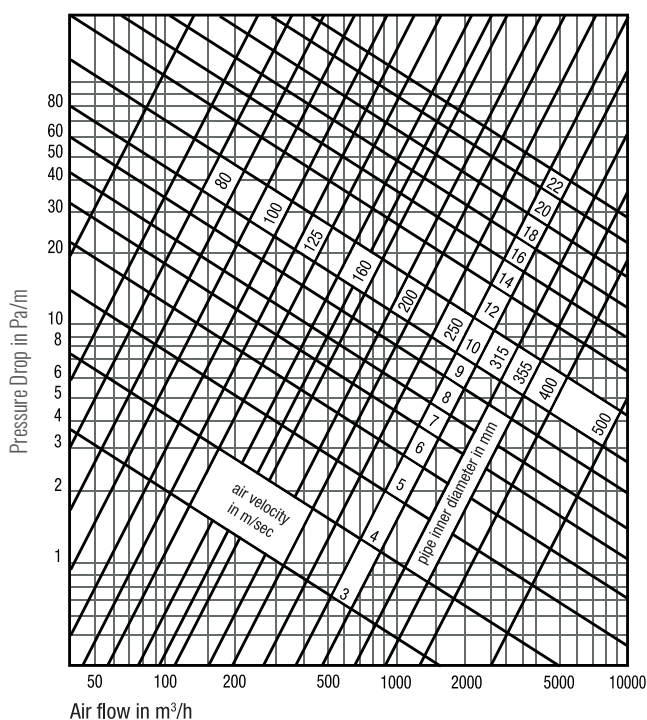
PRODUCTION DIAMETERS

| | | | | | | | | | | | | |
|----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|
| 80 | 102 | 127 | 152 | 160 | 165* | 180 | 203 | 254 | 305 | 318 | 356 | 406 |
|----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|

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

PRESSURE DROPS DIAGRAM

(Air temperature 20°C)

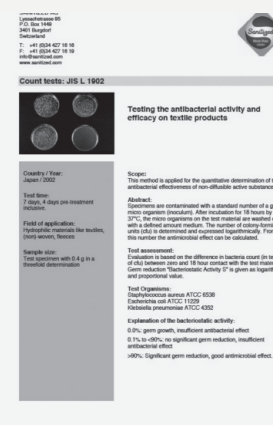



PRESSURE DROPS TABLE WITH CALCULATION EXAMPLES

To calculate the flow rates and pressure drops of other diameters, use the beside diagram.

| DIAMETERS [mm] | AIR SPEED 8m/s | | AIR SPEED 10m/s | |
|-------------------|---------------------|----------------------------|---------------------|----------------------------|
| | FLOW RATE [m³/h] | PRESSURE DROP [Pa/m] | FLOW RATE [m³/h] | PRESSURE DROP [Pa/m] |
| 80 | 152 | 19 | 190 | 31 |
| 102 | 250 | 15 | 333 | 24 |
| 127 | 383 | 12 | 368 | 18 |
| 160 | 575 | 8 | 773 | 14 |
| 203 | 900 | 7 | 1151 | 11 |
| 254 | 1445 | 5 | 1843 | 8 |
| 318 | 2278 | 4 | 3105 | 6 |
| 356 | 3058 | 3 | 3850 | 5 |
| 406 | 3845 | 3 | 4590 | 4 |

CERTIFICATIONS

| MATERIAL PROTECTION | | FIRE REACTION | |
|---|----|--------------------------------------|--|
|  <p>ANTIMICROBIAL PROTECTION</p> <p>MasterSan™ is produced with new generation polyolefin film with Sanitized® antimicrobial and antiviral technology which protects the internal surface from damages due to microbial load and reduces the formation of potential microbial odors inside the ventilation system for a better IAQ rate.</p> <p>antiviral performance</p> <p>Material Protection</p> <p>Hygiene Function</p> | IT | Class 1 (D.M. 26/06/84) | |
| | EU | Class B-s1, d0 (EN 13823:2010) |  MED/3.18f (2014/90/UE) f) combustible ducts membrane |
| | DE | B2-0.095mm (DIN 4102 Teil 1 p.6.2) | |
| | FR | Class M1 (AFNOR NF P 92-507 § 3.1.2) | |

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:
IP, EA, MR



WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM®

BREEAM

Contributes to credits:
MAN, WST

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

APPLICATIONS

| | | | | | | | | |
|----------------|--------------------|--------------|------------------|--------------------|------------------|-------------------------|----------------|-----------------------|
| | | | | | | | | |
| OEM | Residential | Flexibility | Easy Pack | Self-extinguishing | Mold Resistant | Microorganism Resistant | Tear Resistant | Calibrated Diameters* |
| | | HF | | | | | | |
| REACH Certifie | RoHS Certifie | Halogen Free | Compact Version* | Building | Air Conditioning | CMV | Non-magnetic* | CMV mech. means |
| | Recreational Boats | | | | | | | |

*on request