



Air/Fumes

## **A-FLEX** PVC/POLYESTER BLUE

### Properties

- strong textile, with a remarkable thickness, taht gives to the hose a considerable strength and a good mechanical resistance
- very smooth inner walls, that restrict charge losses
- recommended when a good pressure and vacuum resistance are required
- good resistance to chemical agents fumes
- compression values (1:1)
- Class 3 according to italian UNI 9177

### Applications

- suction of gases and fumes
- suction in the presence of a high mechanical stress
- suction and conditioning of air in naval, civil and industrial areas
- suction of light dusts
- fairlead
- thermal insulation from outer or inner environment

### Construction

- strong selfextinguishing polyester textile spreaded on both sides with PVC and an armonic steel wire helix covered with phosphates, embodied into the textile layers



**Code - A8P20....**

**Base Material - POLYESTER / PVC**

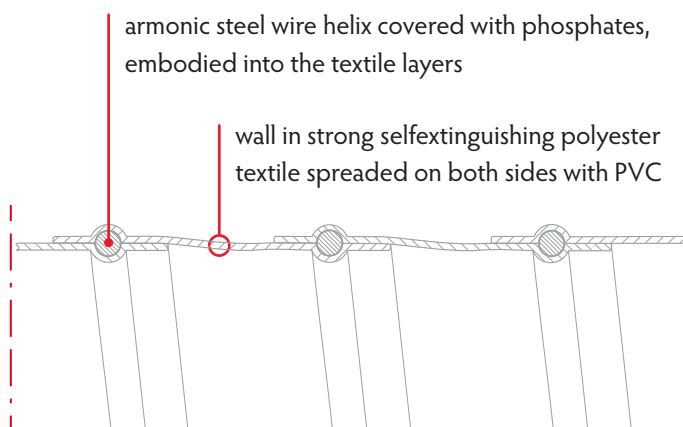
**Operating Temperature -  $-40 \div +90$  °C**

**Pressure -  $0,03 \div 1,80$  bar**

**Vacuum -  $0,10 \div 3,26$  mtH<sub>2</sub>O**

**Diameter Range -  $30 \div 710$  mm**

**Key Feature - Blue colour, Spiral hose**



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# A-FLEX PVC/POLYESTER BLUE

## Standard production

- diameters: 30 ÷ 710 mm
- colour: blue
- production lengths up to Ø 250: 20 m
- production lengths from Ø 275: 10 m

| inner Ø | weight | bending radius | working pressure | vacuum |
|---------|--------|----------------|------------------|--------|
| mm      | g/m    | mm             | bar              | mth20  |
| 30      | 172    | 30             | 1,80             | 3,26   |
| 35      | 200    | 35             | 1,70             | 3,16   |
| 40      | 229    | 40             | 1,50             | 3,06   |
| 45      | 258    | 45             | 1,30             | 2,86   |
| 50      | 286    | 50             | 1,20             | 2,55   |
| 55      | 315    | 55             | 1,10             | 2,35   |
| 60      | 344    | 60             | 1,00             | 2,04   |
| 65      | 372    | 65             | 1,00             | 1,94   |
| 70      | 338    | 70             | 0,90             | 1,84   |
| 75      | 358    | 75             | 0,85             | 1,22   |
| 80      | 381    | 80             | 0,80             | 1,02   |
| 85      | 405    | 85             | 0,75             | 0,92   |
| 90      | 429    | 90             | 0,70             | 0,82   |
| 100     | 477    | 100            | 0,60             | 0,82   |
| 110     | 524    | 110            | 0,60             | 0,82   |
| 115     | 548    | 115            | 0,60             | 0,82   |
| 120     | 562    | 120            | 0,55             | 0,71   |
| 125     | 596    | 125            | 0,50             | 0,71   |
| 130     | 620    | 130            | 0,50             | 0,71   |
| 140     | 668    | 140            | 0,40             | 0,61   |
| 150     | 642    | 150            | 0,30             | 0,61   |
| 160     | 635    | 160            | 0,30             | 0,61   |
| 170     | 725    | 170            | 0,28             | 0,61   |
| 175     | 749    | 175            | 0,28             | 0,51   |
| 180     | 770    | 180            | 0,23             | 0,51   |
| 200     | 934    | 190            | 0,20             | 0,41   |
| 215     | 1004   | 195            | 0,19             | 0,41   |
| 225     | 1051   | 200            | 0,18             | 0,41   |
| 250     | 1168   | 220            | 0,15             | 0,31   |
| 275     | 1284   | 240            | 0,12             | 0,31   |
| 300     | 1495   | 260            | 0,10             | 0,20   |
| 315     | 1574   | 275            | 0,09             | 0,20   |
| 325     | 1620   | 290            | 0,08             | 0,20   |
| 350     | 1745   | 310            | 0,06             | 0,20   |
| 375     | 1849   | 340            | 0,05             | 0,20   |
| 400     | 2211   | 360            | 0,04             | 0,10   |
| 450     | 2487   | 390            | 0,04             | 0,10   |
| 500     | 2763   | 420            | 0,03             | 0,10   |
| 550     | 3040   | 450            | 0,03             | 0,10   |
| 600     | 3316   | 480            | 0,03             | 0,10   |
| 630     | 3482   | 510            | 0,03             | 0,10   |
| 710     | 3924   | 570            | 0,03             | 0,10   |

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications - ott\_17 rbd