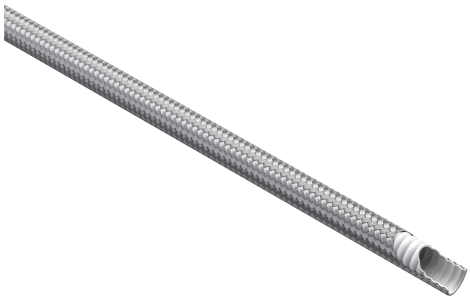
TRANSFER OIL
Pure Fluid Attitude

# 031 - PTFE 1SSB CONVOLUTED

Convoluted PTFE hose for medium pressure from 23 up to 138 bar (from 300 to 2000 psi)



## FEATURES

### Inner Tube

Polytetrafluoroethylene

### Reinforcement

One braid of stainless AISI 304 wire

### Cover

N/A

### Applications

Aggressive chemicals transfer systems - Compressed air and gases - High or low temperature fluid or gas transfer

### Features

Pure PTFE tube material: lightweight resistant to almost all chemicals gases and solvents - Stainless steel braid / cover to support medium pressure requirements - Hose comes in random length coils.

### Description

Lightweight convoluted hose for standard industrial use especially for high or low temperature and aggressive chemical applications: including some gases (there will be a level of gas permeation which should be taken into account) - Care should be taken to ensure proper fitting and ferrule compatibility: we recommend to contact our sales office for fittings selection - Hose not suitable for continuous hydraulic impulse applications - Above 130 °C (266 °F) there will be a reduction in maximum working pressure: reduce maximum working pressure by 1% for each 2 °C (3.6 °F) above 130 °C (266 °F) - Hose suitability must be checked when discharge of electrical static build up is required.

### Temperature Range

-60 °C to +260 °C (-76 °F to +500 °F)

| Part no. | DN | Inches | Dash | ID (mm) | OD (mm) | WP (bar) | BP (bar) | ID (inch) | OD (inch) | WP (psi) | BP (psi) | SF | BR (mm) | BR (inch) | Weight (gr/m) | Weight (lb/ft) | Ferrule standard | Ferrule A316L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0314 | DN10 | 3/8 | -6 | 9.5 | 15.2 | 138 | 414 | 0.374 | 0.598 | 2000 | 6000 | 3:1 | 20 | 0.79 | 189 | 0.127 | SAI141 | SAI841 |
| 0315 | DN12 | 1/2 | -8 | 12.8 | 18.8 | 103 | 309 | 0.504 | 0.740 | 1400 | 4200 | 3:1 | 25 | 0.98 | 245 | 0.165 | SAI151 | SAI851 |
| 0316 | DN16 | 5/8 | -10 | 15.9 | 22.1 | 83 | 249 | 0.626 | 0.870 | 1200 | 3600 | 3:1 | 50 | 1.97 | 316 | 0.212 | SAI161 | SAI861 |
| 0317 | DN20 | 3/4 | -12 | 19.0 | 24.6 | 69 | 207 | 0.748 | 0.969 | 1000 | 3000 | 3:1 | 65 | 2.56 | 362 | 0.243 | SAI171 | SAI871 |
| 0318 | DN25 | 1 | -16 | 25.4 | 32.8 | 46 | 138 | 1.000 | 1.291 | 600 | 1800 | 3:1 | 90 | 3.54 | 478 | 0.321 | SAI181 | SAI881 |
| 0319 | DN32 | 1+1/4 | -20 | 32.2 | 40.7 | 34 | 102 | 1.268 | 1.602 | 400 | 1200 | 3:1 | 125 | 4.92 | 561 | 0.377 | SAI191 | SAI891 |
| 031T | DN38 | 1+1/2 | -24 | 38.1 | 48.2 | 30 | 90 | 1.500 | 1.898 | 400 | 1200 | 3:1 | 150 | 5.91 | 90 | 0.060 | SAI1T1 | SAI8T1 |
| 031X | DN51 | 2 | -32 | 51.4 | 61.5 | 23 | 69 | 2.024 | 2.421 | 300 | 900 | 3:1 | 200 | 7.87 | 567 | 0.381 | SAI1X1 | SAI8X1 |

*Dimensions and values shown may be changed without prior notice to improve product performances and reliability.*

*Transfer Oil S.p.A. assumes no liability on mistakes nor errors appearing in this spec sheet.*
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