



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	SAIT1	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

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

Document date: 06/07/2025

www.transferoil.com