



TRANSFER OIL

Pure Fluid Attitude



046 - VHP NON CONDUCTIVE

Constant pressure thermoplastic non-conductive hose for very high pressure hydraulic applications from 550 to 700 bar (8000 to 10000 psi)



FEATURES

Inner Tube

Polyester elastomer

Reinforcement

Two braids of aramid fiber

Cover

Polyurethane, orange, black inkjet branding

Applications

Rescue and safety equipment - High pressure systems and pumps
- Jacking and rerailling equipment - Equipment requiring electrical high insulation

Features

Two aramid braids construction for compact design - Lightweight and flexible - Tight bend radii for use on hose reels and in tight environments - Antiabrasion cover.

Description

Exceeds the former American Jacking Specifications - Very High Pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems - Aramid braid ensures longevity as well as pressure performance and compact design - for applications requiring electrical high insulation or non-conductivity in high tension environment e.g. near electrical power lines.

Temperature Range

-40 °C to 100 °C (-40 °F to 212 °F): limited to 70 °C (158 °F) for water based fluids

Vacuum Rating

-0,93 bar; -700 mm Hg|-13,5 psi; -27,5 inch Hg

Specifications

Hoses meet standards SAE J517/J343 and EN855 for non conductivity where maximum electrical leakage shall not exceed 50µA when a 152 mm sample is subject to 37.5 KV for 5 minutes equivalent to 250 KV/meter.

Standard Branding

TRANSFER OIL - TO HYDRAULIC - Part No - VHP NON CONDUCTIVE - Inch Size - DN Size - WP bar / psi - MADE IN ITALY - www.transferoil.com - Batch No

| 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 |
|----------|------|--------|------|---------|---------|----------|----------|-----------|-----------|----------|----------|-----|---------|-----------|---------------|----------------|------------------|---------------|
| 0460 | DN4 | 1/8 | -2 | 4.0 | 9.1 | 700 | 2800 | 0.157 | 0.358 | 10000 | 40000 | 4:1 | 25 | 0.98 | 60 | 0.040 | SAF101 | SAF801 |
| 0461 | DN5 | 3/16 | -3 | 5.0 | 11.0 | 700 | 2800 | 0.197 | 0.433 | 10000 | 40000 | 4:1 | 30 | 1.18 | 88 | 0.059 | SAF111 | SAF811 |
| 0462 | DN6 | 1/4 | -4 | 6.6 | 14.0 | 700 | 2800 | 0.260 | 0.551 | 10000 | 40000 | 4:1 | 35 | 1.38 | 140 | 0.094 | SAF121 | SAF821 |
| 0464 | DN10 | 3/8 | -6 | 9.7 | 18.1 | 550 | 2200 | 0.382 | 0.713 | 8000 | 32000 | 4:1 | 70 | 2.76 | 205 | 0.138 | SAF141 | SAF841 |

AVAILABLE INSERTS

| Part | Dash | Inch | DN | F-BSPP | F-DKOL | F-DKOS | F-JIC | F-MET | F-NPSM | F-NPT | F-TYPE | M-BSPP | M-BSPT | M-CEL | M-CES | M-MET | M-NPT |
|------|------|------|------|--------|--------|--------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|
| 0460 | -2 | 1/8 | DN4 | SOA | | | | | | | | SOB | | | | | |
| 0461 | -3 | 3/16 | DN5 | SOA | | | SOH | | | | | SOB | | | | | SOD |
| 0462 | -4 | 1/4 | DN6 | SOA | SOF | SOM | SOH | SOV | SOP | SOC | SOQ | SOB | SOO | SOI | SOL | SOK | SOD |
| 0464 | -6 | 3/8 | DN10 | SOA | SOF | SOM | SOH | | | | | SOB | | SOI | SOL | | SOD |

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.

Document date: 21/11/2024

www.transferoil.com