



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, laser 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 - Abrasion resistant 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 - QQ/YY - 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	14.2	700	2800	0.260	0.559	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: 11/04/2026

www.transferoil.com