

046 VHP Non conductive

MEDIUM
PRESSURE

HIGH
PRESSURE

CONSTANT
PRESSURE

VERY HIGH
PRESSURE

VHP

SPECIALITIES

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

- Equipment requiring electrical high insulation

Reinforcement

Two braids of aramid fiber

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

Cover

Polyurethane, orange, non pinpricked, black ink-jet branding

Applications

- Rescue and safety equipment
- High pressure systems and pumps
- Jacking and rerailing equipment

Description

Exceeds the former American Jacking Specifications IJ100 (1/4"). 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 voltage 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 air and 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

APPLICATIONS



PACKAGING



| Part No. | Hose size | | ID | | OD | | WP | | BP | | Safety factor | Bend radius | | Weight | | Ferrule part no. | | |
|----------|-----------|-------|----|------|-------|-------|-------|-----|-------|------|---------------|-------------|----|--------|-----|------------------|--------|-----------|
| | dash | inch | DN | mm | inch | mm | inch | bar | psi | bar | | psi | mm | inch | g/m | lbs/ft | carbon | stainless |
| 0460 | -2 | 1/8" | 4 | 4,00 | 0,157 | 9,10 | 0,358 | 700 | 10000 | 2800 | 40000 | 4:1 | 25 | 0,98 | 60 | 0,040 | SAF101 | SAF801 |
| 0461 | -3 | 3/16" | 5 | 5,00 | 0,197 | 11,00 | 0,433 | 700 | 10000 | 2800 | 40000 | 4:1 | 30 | 1,18 | 95 | 0,064 | SAF111 | SAF811 |
| 0462 | -4 | 1/4" | 6 | 6,60 | 0,260 | 14,00 | 0,551 | 700 | 10000 | 2800 | 40000 | 4:1 | 35 | 1,38 | 145 | 0,097 | SAF121 | SAF821 |
| 0464 | -6 | 3/8" | 10 | 9,70 | 0,382 | 18,00 | 0,709 | 550 | 8000 | 2200 | 32000 | 4:1 | 70 | 2,76 | 200 | 0,134 | SAF141 | SAF841 |