

Technical data sheet



High pressure hose 100-002

1. Description

high pressure hose DN 4
order no. 100-002.

2. Material / Performance

inner tube: Polyamide 6 Core
casing: High Tensile Polyester Braid with Polyurethane Cover

		inner tube	casing
tear strength	DIN EN ISO 527	> 30 N/mm ²	> 18 N/mm ²
elongation at break	DIN EN ISO 527	> 180%	> 380%
hardness, shore	DIN EN ISO 868	D 60 ± 3	A 88 ± 3

temperature using limit: - 40° till + 80°C
for mediums to be pumped with "grease with corrosion protection additives": max. +70°C
halogen-free in accordance with DIN VDE 0472-815

3. Pressure Reinforcement / Pressure Strength / Bending Radius

bursting pressure (EN ISO 1402, pressurisation: 60 s)			allowed bending radius at 20°C	operating pressure reference*		
20°C	(bar)	60°C		statistically	(bar)	dynamically
> 840		> 460	> 20 mm	Max. 280		Max. 210

Technically correct diagonal reinforcement of polyester high-strength chemically bonded to the inner tube.

*) standard security: static pressure load: 3, dynamic pressure load: 4

4. Sizes and Tolerances

nominal size : 4,0 x 8,6 d (internal x external) mm
inner diameter: 3,90 – 4,10 mm
external diameter: 8,50 – 8,75 mm
wall thickness eccentricity: max. 0,35 mm

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5. Colour

inner tube: nature
casing: black
reinforcement: white
printing: white

6. Design / Packaging / Labeling

- 6.1 50 meter coil
external diameter ca. 580 mm, core diameter approx. 500 mm,
bulk in box or pallet
- 6.2 Short lengths are marked separately.
5% of short length per batch are permitted.

7. Approval

As the responsible supplier, FRITSCH reserves the right to carry out modifications or deviations of the products under contract, for purposes of improvement and further development; whereas there will be no modifications of the specifications agreed herein.

compiled	proved	released	document-no.
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