

Discharge hose for hydrocarbons and industrial use



High-performance anti-static discharge hose

POLYFLUID is a reinforced flexible hose specially designed for conveying and discharging hydrocarbon liquids, and for firefighting in high-risk industrial environments. Its **conductive NBR rubber lining** and **3 integrated electrical continuity wires** ensure conductivity ¹⁰⁶ ?, preventing the build-up of static electricity. It combines robustness, flexibility and excellent resistance to abrasion, ageing and chemical agents.

Main technical features

- **Textile weave:** 100% high-tenacity polyester, circular weave, 2-end warp, twill weave, with 3 electrical continuity wires
- **Elongation:** longitudinal max. 3%, transverse max. 3
- **Inner coating:** high-quality, conductive NBR synthetic rubber, resistant to oils and hydrocarbons
- **Outer coating:** black polyurethane coating, resistant to abrasion, weathering, ozone and ageing - easy to maintain and repairable
- **Anti-static properties:** electrical conductivity ¹⁰⁶ ?, PTB-tested
- Operating pressure: up to 16 bar (depending on diameter)
- Burst pressure: 30 to 60 bar
- Operating temperature: -30°C to +80°C
- Resistance: no twisting - low pressure drop
- Standard lengths: 20 m and 40 m - other lengths on request
- Color: black (other colors available from 500 m)

Dimensions and pressures

Inside diameter (mm)	Inch	Weight (g/m)	Burst pressure (bar)	Working pressure (bar)	Wall thickness (mm)
19	¾	130	60	16	1,40
25	1	160	60	16	1,40
32	1 ¼	190	60	16	1,40
38	1 ½	220	60	16	1,50

42	-	250	60	16	1,50
45	1 ¾	260	60	16	1,50
52	2	320	50	16	1,60
64	2 ½	420	50	16	1,60
70	2 ¾	490	50	16	1,60
75	3	550	50	16	1,70
90	3 ½	650	40	13	1,70
102	4	730	40	13	1,80
110	4 ?	840	35	12	1,80
125	5	990	30	10	1,90
152	6	1160	30	10	1,90

Fittings and accessories

- Available systems: DSP, Symmetrical Guillemin, Storz
- Materials: aluminum or bronze
- Can be connected with or without bonding to copper wires (NBR coating guarantees electrical conductivity)
- Repair kit and vulcanizing machine available on request

Application sectors

- Fire department
- Industry
- Merchant marine
- Refineries and petrochemicals
- Mining

Standards and certifications

- DIN 14811
- Electrical conductivity tested and validated by PTB (Physikalische Technische Bundesanstalt)
- ISO 9001-certified manufacturing

Distribution MMF Protection et Sécurité

Available from **MMF Protection et Sécurité** mR POLYFLUID pipe is a highly technical, reliable product for the most demanding environments. Full compliance with standards and proven robustness.