

Dunlop LPG Type 321M

- LPG Submarine Suction and Discharge Hose

Fully complying with BS 4089: 1989 Type 3

Application

Designed for long life and durability in marine service transporting LPG at temperatures down to -20°C. The cover material has high abrasion resistance and is designed for prolonged seawater submergence.

Also available in variant to meet standard EN 1762: 2003 Type SD (-30°C minimum operating temperature). Rough Bore design Type 324 also available.

Working/Burst Pressure	27.5/137.5 bar (Dunlop Type 321M)
Operating Temperature	-20°C to +45°C
Electrical Continuity	Electrically continuous or discontinuous as required
Maximum lengths	15m



Construction

Lining	Synthetic rubber compound for LPG service
Bleeder cords	All Polymer products allow gas to permeate through them. This hose includes bleeder cords so that any trapped gas can safely vent out of the hose ends
Main reinforcement	Multiple plies of high tenacity rayon cord designed for a combination of high strength and resistance to fatigue. Each layer is fully encapsulated in rubber to prevent abrasion with adjacent layers. Construction includes specially compounded layers when required to ensure negative buoyancy
Embed wire	One or more helical steel wires to resist collapse and crush loads
Holding ply	Textile reinforcement to increase adhesion between hose body and cover
Cover	Extra thick weathering and abrasion resistant rubber compound for marine service
Fittings	Built-in steel nipples with flanges to suit customer requirements

Technical Design Data

ID		OD	Body Weight	End Weight	MBR	Maximum Working Tensile Load
inch	mm	mm	kg/m	kg/hose	m	Tonnes
2	51	101	8.6	11	0.30	16
3	76	131	14.5	18	0.46	3.0
4	102	160	21.6	29	0.60	4.7
6	152	221	39.3	46	0.90	8.6
8	203	290	70.0	67	1.20	16.7
10	254	344	95.9	96	1.50	23.1
12	305	412	137.6	122	1.80	20.2
14	356	471	160.0	136	2.10	45.3

Hoses manufactured in the United Kingdom

CE branded hoses showing full compliance with European Pressure Equipment Directive PED 97/23/EC