

FLUID TRANSFER SYSTEMS

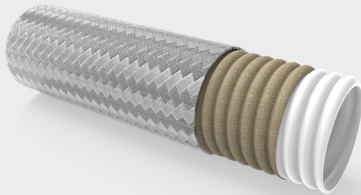
DNV GL Range

Product Description

Flame resistant convoluted multilayer PTFE hose with fibreglass covering and wire braid reinforcement for use on demanding marine and offshore applications.

The convoluted profile ensures easier crimping of the hose and with the approved DNV GL fitting and ferrule range now offers a proven minimum 150K impulse cycle life expectancy at elevated temperatures. The new convoluted profile offers improved vacuum resistance where negative pressures may be detrimental to the life cycle of the hose assembly. The helically convoluted design allows for easier draining when compared to other non-PTFE hose types whilst also giving a smaller bending radius allowing the fitment of the product in tighter confines.

Available in both virgin PTFE and carbon lined anti-static versions allowing the transfer of all common fluids and gasses used in marine and offshore applications.



Properties

Application	Accepted for installation on all vessels classed by DNV GL.
Design	3/8" - 2" Flame resistant PTFE helical convoluted lined hoses. Convoluted multilayer PTFE hose with fibreglass covering and wire braid reinforcement
Inner layer	Virgin & anti-static inner layer with a PTFE impregnated Fibreglass cover
Outer layer	304 or 316 Stainless steel Braid
Temperature Min/Max	-50°C / +150°C
Material	PTFE BS2782 Method 327A:1993 ASTM-D 882
Certification	DNV GL class programme CP-0183 - Type Approval of flexible hoses of non-metallic material

DNV GL Convoluted Range

Part Number	Description	ID Nominal		OD Nominal		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum	
		(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(bar)	(inHG)
MATWV09-7B01	3/8" DNV GL	9.65	0.380	15.80	0.622	125	1813	500	725	50	1.97	0,9	26,58
MATWV13-5B01	1/2" DNV GL	13.45	0.530	19.80	0.780	105	1523	420	609	65	2.56	0,9	26,58
MATWV16-5B01	5/8" DNV GL	16.40	0.646	23.40	0.921	100	1450	400	580	80	3.15	0,9	26,58
MATWV19-8B01	3/4" DNV GL	19.80	0.780	26.90	1.059	90	1305	360	522	100	3.94	0,9	26,58
MATWV25-9B01	1" DNV GL	25.00	0.984	32.90	1.295	80	1160	320	464	125	4.92	0,9	26,58
MATWV32-3B01	1 1/4" DNV GL	32.30	1.272	39.75	1.565	64	928	256	371	150	5.91	0,9	26,58
MATWV38-8B01	1 1/2" DNV GL	38.30	1.508	46.10	1.815	53	769	212	307	200	7.87	0,9	26,58
MATWV51-2B01	2" DNV GL	51.50	2.028	60.50	2.382	35	508	140	203	250	9.84	0,5	14,77
MATWL09-7B01	3/8" DNV GL Antistatic	9.65	0.380	15.80	0.622	125	1813	500	725	50	1.97	0,9	26,58
MATWL13-5B01	1/2" DNV GL Antistatic	13.45	0.530	19.80	0.780	105	1523	420	609	65	2.56	0,9	26,58
MATWL16-5B01	5/8" DNV GL Antistatic	16.40	0.646	23.40	0.921	100	1450	400	580	80	3.15	0,9	26,58
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Available as bespoke made assemblies from Kongsberg Automotive to exacting DNV GL standard. Enquire via the sales team for your requirements.

