

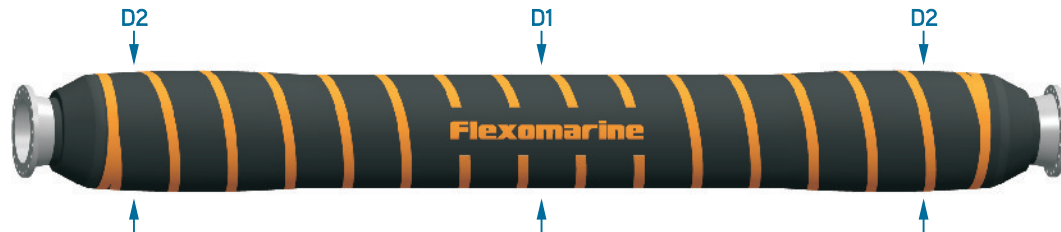
# FLOATING DOUBLE CARCASS 21 bar 7000 Series

Double Leak  
Detection System

Double carcass hose developed and tested for offshore mooring applications

## Type 7870BC Buoyancy Control Hose

FLEXOMARINE SAFE



Nominal Bore (mm)	Outside Diameter (mm)				Weight in Air Empty (kg)			Minimum Bending Radius (m)
	D1 Body	D2 End			Weight in Air Full of Sea Water (kg)			
					9.1m (30ft)	10.7m (35ft)	12.2m (40ft)	
150 (6")	360	415	-	-	815 984	921 1120	1022 1249	0.9
200 (8")	450	510	-	-	1074 1370	1214 1562	1346 1742	1.2
250 (10")	505	580	-	-	1421 1875	1604 2138	1775 2384	1.5
300 (12")	575	650	-	-	1764 2432	1992 2777	2205 3101	1.8
400 (16")	700	780	-	-	2459 3545	2780 4056	3080 4536	2.4
500 (20")	810	900	-	-	3159 4882	3578 5604	3970 6281	3.0
600 (24")	970	1040	-	-	4260 6767	4841 7789	5385 8746	3.6

- Double Carcass Hose FLEXOMARINE SAFE Buoyancy Control for use as the second and third hose in the string
- Rated Working Pressure: 21 bar
- Minimum Bending Radius: 6D (up to 2D without any permanent deformation)
- Minimum Reserve Buoyancy: Neutral or as requested
- Electrical Continuity: Continuous or as requested
- Leak Detection: In case of failure of the primary carcass, a double leak detection system (DDEMAS - Double Detection Expansion and Mechanical Anti-Pollution System), confirms the failure of the primary carcass. Its operation combines the natural expansion of the secondary carcass with a change in the hose profile and an increase on its buoyancy, furthermore a rod installed in each hose end that is initially embedded will become visible after the burst of the primary carcass giving additional confirmation of the failure