



## DIVING HOSES - FIBROFLEX

Fibrofex is highly flexible braided higher pressure hose for use in Main Bell, Wet Bell and Excursion umbilicals. These hoses are designed specifically to withstand the rigours of everyday use in a Hyperbaric Dive System. Services include gas and hot water supply, gas reclaim and pneumo and monitoring hoses. Hoses are available in a range of sizes as seen below:

### Gas Hose & Hot Water Hose Data

Hose Dash Size		-03	-04	-06	-08	-10	-12	-16
Max. working pressure	psi / bar	1,000 / 69	1,000 / 69	1,000 / 69	1,000 / 69	1,000 / 69	1,000 / 69	1,000 / 69
Min. burst pressure	psi / bar	6,000 / 414	8,000 / 552	10,000 / 690	8,000 / 552	8,000 / 552	8,000 / 552	8,000 / 552
Nominal bore	in / mm	3/16" / 4.76	1/4" / 6.35	3/8" / 9.53	1/2" / 12.70	5/8" / 15.80	3/4" / 19.00	1" / 25.40
Outside diameter	mm	9.70	11.90	18.25	22.70	27.10	32.05	39.40
Min. bend radius	mm	100	120	180	230	270	320	395
Gas Hose Specification		FDH 03	FDH 04	FDH 06G	FDH 08G	FDH 10G	FDH 12G	FDH 16G
Weight in air	kg/km	67	99	219	324	439	580	777
Weight in sea-water	kg/km	-9	-15	-49	-91	-153	-247	-473
Standard Colour*		Blue	Blue	Blue	Blue	Blue	Blue	Blue
Hot Water Hose Specification		FDH 03H <sup>†</sup>	FDH 04H <sup>†</sup>	FDH 06H	FDH 08H	FDH 10H	FDH 12H	FDH 16H
Weight in air: Hose / Hose full of water	kg/km	62 / 80	93 / 125	203 / 274	304 / 431	414 / 610	550 / 834	738 / 1,245
Weight in seawater / Hose full of Water	kg/km	4	11	6	10	19	6	-6
Standard Colour*		Red	Red	Red	Red	Red	Red	Red

\*Other colours available to order. † Non standard sizes

## Collapse and Recover Hose & Gas Reclaim Hose Data

Hose Type		Collapse And Recover Hose					Gas Reclaim Hose				
Hose Dash Size		-06	-08	-10	-12	-16	-08	-10	-12	-16 <sup>‡</sup>	-20 <sup>‡</sup>
Specification Number		FRH 06	FRH 08	FRH 10	FRH 12	FRH 16	FXH 08	FXH 10	FXH 12	FXH 16	FXH 20
Max working pressure	psi / bar	100 / 7	100 / 7	100 / 7	100 / 7	100 / 7	1,000 / 69	1,000 / 69	1,000 / 69		
Min. burst pressure	psi / bar	400 / 28	400 / 28	400 / 28	400 / 28	400 / 28	6,000 / 414	6,000 / 414	6,000 / 414		
Nominal bore	in / mm	3/8" / 9.53	1/2" / 12.70	5/8" / 15.80	3/4" / 19.00	1" / 25.40	1/2" / 12.70	5/8" / 15.80	3/4" / 19.00		
Outside diameter	mm	19.10	22.25	27.95	32.75	39.55	25.00	30.00	33.50		
Weight in air	Kg /km	249	304	483	633	796	718	939	1,083		
Weight in sea-water	Kg /km	-45	-95	-174	-231	-464	215	214	179		
Min. bend radius	mm	190	225	280	330	395	250	300	335		
External collapse pressure	psi / bar	N/A	N/A	N/A	N/A	N/A	1,000 / 69	1,000 / 69	750 / 53		
Standard Colour*		Black	Black	Black	Black	Black	Black	Black	Black		

\*Other colours available to order. † Non standard sizes. ‡ Detail available upon request.

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