

Fibrofex high pressure hoses

Fibrofex is a range of highly flexible, braided, high-pressure diving hoses for use in main bell, wet bell and excursion umbilicals. These hoses are specifically designed to withstand the rigours of everyday use in a hyperbaric dive system. Services include gas and hot water supply, gas reclaim, and pneumo-monitoring hoses.

All common hose sizes in the Fibrofex range are Lloyds Register of Shipping (LRS) & Det Norske Veritas (DNV) approved.

Fibrofex gas and hot water hoses, plus wire armoured and lightweight reclaim hoses for mixed gas (saturation) diving allocations, can only be fitted with phosphor bronze swageable type hose ends.

Hose Type		Collapse and Recover Hose					Gas Reclaim Hose	
Specification Number		FRH 06	FRH 08	FRH 10	FRH 12	FRH 16	FXH 10	FXH 12
Hose Dash Size	UOM	-06	-08	-10	-12	-16	-10	-12
Max. working pressure	psi / bar	100 / 7	100 / 7	100 / 7	100 / 7	100 / 7	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
Nominal bore	in / mm	3/8 / 9.53	1/2 / 12.70	5/8 / 15.80	3/4 / 19.00	1 / 25.40	5/8 / 15.80	3/4 / 19.00
Outside diameter	mm	19.10	22.25	27.95	32.75	39.55	30.00	33.50
Weight in air	kg / km	249	304	483	633	796	939	1,083
Weight in seawater	kg / km	-45	-95	-174	-231	-464	214	179
Min. bend radius	mm	190	225	280	330	395	300	335
Ext. collapse pressure	psi / bar	N/A	N/A	N/A	N/A	N/A	1,000 / 69	750 / 53
Standard colour*		Black	Black	Black	Black	Black	Black	Black

Hose Type		Gas Hose Specification						
Specification Number		FDH 03	FDH 04	FDH 06G	FDH 08G	FDH 10G	FDH 12G	FDH 16G
Hose Dash Size	UOM	-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	8,000 / 552	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	9.7	11.9	18.25	22.7	27.1	32.05	39.4
Weight in air	kg / km	67	99	219	324	439	580	777
Weight in seawater	kg / km	-9	-15	-49	-91	-153	-247	-473
Min. bend radius	mm	100	120	180	230	270	320	395
Standard colour*		Green	Blue	Blue	Blue	Blue	Blue	Blue

Hose Type		Hot Water Hose Specification						
Specification Number		FDH 03H**	FDH 04H**	FDH 06H	FDH 08H	FDH 10H	FDH 12H	FDH 16H
Hose Dash Size	UOM	-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	8,000 / 552	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	9.7	11.9	18.25	22.7	27.1	32.05	39.4
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
Min. bend radius	mm	100	120	180	230	270	320	395
Standard colour*		Red	Red	Red	Red	Red	Red	Red

* Other colours available to order, ** Non standard sizes