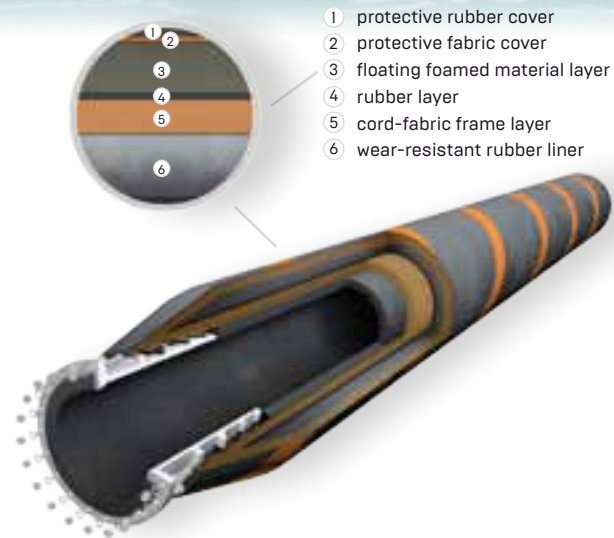


SELF-FLOATING HOSE COMPOSIT

IS AN INTEGRAL PART OF SEABORNE TRANSPORT SYSTEM USED FOR ABRASIVE MIXES' HANDLING



- 1 protective rubber cover
- 2 protective fabric cover
- 3 floating foamed material layer
- 4 rubber layer
- 5 cord-fabric frame layer
- 6 wear-resistant rubber liner

DESCRIPTION

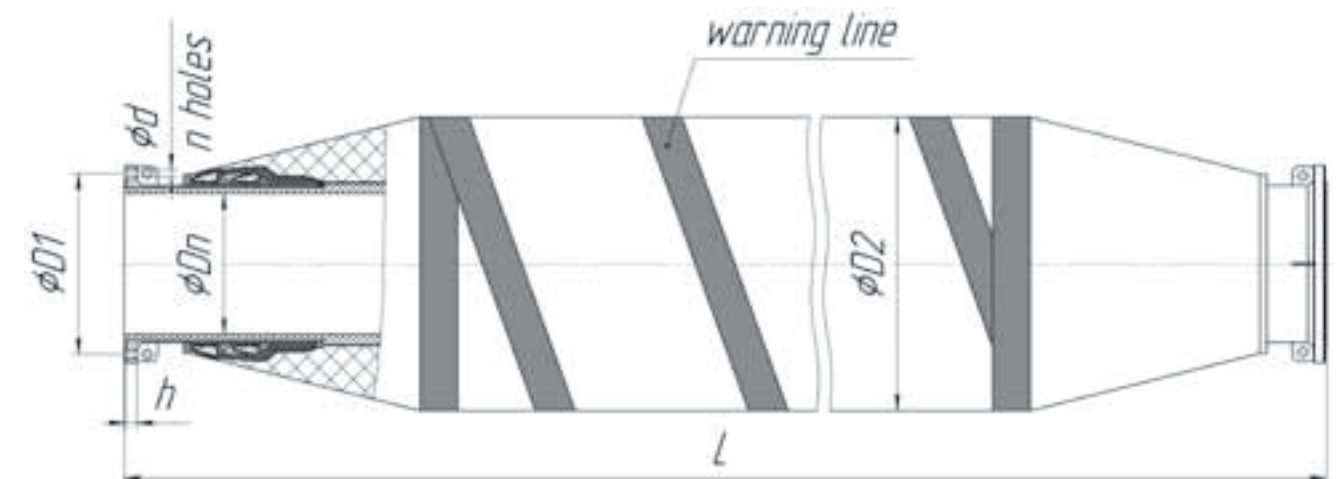
The big-bore self-floating hose COMPOSIT has been dominantly settled to the preferable position of the biggest seaborne dredging divisions throughout Russia since it was firstly developed and brought onto the market by COMPOSIT, LLC.

The hose float consists of synthetic foamed material and rubber-fabric protective outer cover. The foamed material provides buoyancy no less than 10% taking into account the weight of the hose line completely filled with handled mixture. The rubber-fabric protective outer cover of the float prevents the line from mechanical damage and external effects. The body of the hose is natured of the uniform monolithic construction of foamed material and protective rubber-fabric cover. The color-banded rubber-fabric cover of the float is firmly vulcanized onto the body of the hose nearby the flanges in order to avoid the physical destruction of the hose via protecting the end portion of the float from external effects. A fivefold safety-margin of the frame structure made of cord fabrics provides uniform distribution of internal stresses.

The thickness of the internal wear-resistant rubber liner of the hose is 2 times higher than that of the standard hose. This solution significantly increases the life-service of the depreciation of the hose line.

ADVANTAGES

- fivefold safety margin
- extended service life
- enhanced internal wear-resistant liner
- economic & operational benefit
- flexibility of hose lines
- lack of hydraulic loss
- low slurry flow-resistance
- reinforced protective cover of the float
- strengthened design of the flange
- rapid and easy installation
- mobility
- reliable and sound connectivity of sections



BASIC DIMENSIONS OF SELF-FLOATING HOSE COMPOSIT

Part No	Inner diameter of hose		Outer diameter of float		Standard length of the section		Mounting dimensions of flanges/ the diameter of the bolt holes/ number of bolts		Working pressure			Test pressure		Bursting pressure		Min bending radius		Weight of one section	
	Dn		D2		L		D1 / d / n												
	mm	inch	mm	inch	m	ft	mm / mm / pcs	inch / inch / pcs	Mpa	bar	psi	Mpa	bar	Mpa	bar	mm	ft	kg	pound
ТНФП-400	400	15 3/4	860	33 27/32	11.8	38.71	550 / 33 / 16	21 21/32 / 1 5/16 / 16	2.5	25	362.6	4.0	40	7.5	75	8,000	26.25	2,100	4,630
ТНФП-450	450	17 23/32	945	37 7/32	11.8	38.71	600 / 33 / 20	23 5/8 / 1 5/16 / 20	2.5	25	362.6	4.0	40	7.5	75	9,000	29.53	2,700	5,952
ТНФП-500	500	19 11/16	1,060	41 23/32	11.8	38.71	660 / 39 / 20	25 31/32 / 1 11/32 / 20	2.5	25	362.6	4.0	40	7.5	75	10,000	32.81	3,200	7,055
ТНФП-600	600	23 9/8	1,300	51 3/16	11.8	38.71	770 / 39 / 20	30 5/16 / 1 17/32 / 20	2.5	25	362.6	4.0	40	7.5	75	12,000	39.37	3,700	8,157
ТНФП-700	700	27 9/16	1,500	59 1/16	11.8	38.71	875 / 45 / 24	34 7/16 / 1 29/32 / 24	2.5	25	362.6	4.0	40	7.5	75	14,000	45.93	5,200	11,464
ТНФП-800	800	31 1/2	1,700	66 15/16	11.8	38.71	990 / 52 / 24	38 31/32 / 2 1/16 / 24	2.5	25	362.6	4.0	40	7.5	75	16,000	52.49	6,500	14,330
ТНФП-900	900	35 7/16	1,950	76 25/32	11.8	38.71	1150 / 52 / 28	45 3/32 / 2 1/16 / 28	2.5	25	362.6	4.0	40	7.5	75	18,000	59.06	8,000	17,637
ТНФП-1000	1,000	39 3/8	2,100	82 11/16	11.8	38.71	1330 / 56 / 28	52 3/8 / 2 3/8 / 28	2.5	25	362.6	4.0	40	7.5	75	20,000	65.62	10,000	22,046
ТНФП-1100	1,100	43 5/16	2,300	90 9/16	11.8	38.71	1420 / 56 / 32	55 29/32 / 2 3/8 / 32	2.5	25	362.6	4.0	40	7.5	75	22,000	72.18	12,600	27,778

Manufacturing as per the Customer's individual drawings and specifications based on specific operation condition is acceptable.