

FLOATING HOSE COMPOSIT WITH PLASTIC FLOATS FOR DIESEL DREDGER

IS AN INTEGRAL PART OF HYDRO-TRANSPORT SYSTEM USED FOR ABRASIVE MIXES' HANDLING ON RIVERS AND QUARRIES



DESCRIPTION

This type of the floating hose COMPOSIT with plastic floats has been specially designed for application with diesel dredgers on rivers and quarries.

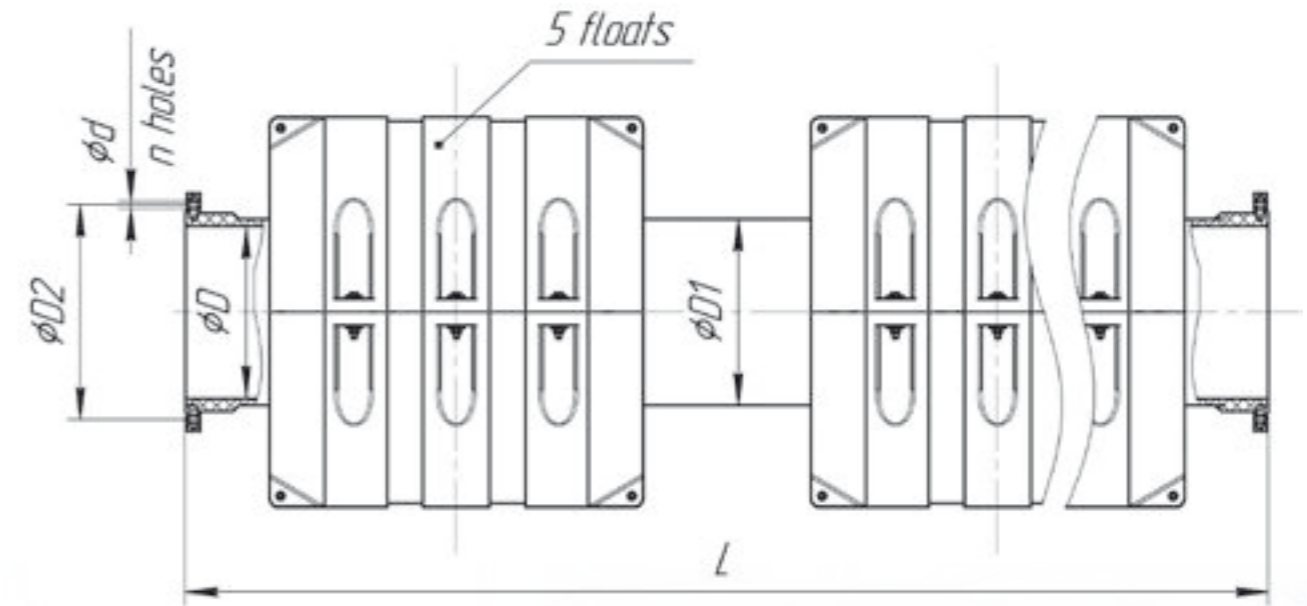
The float itself is made of wear-resistant linear polyethylene. It consists of 2 or 3 sections and has a circular shape. In practice the normal operation of the hose requires 5 floats to be mounted on each section. Due to the fact that the floats are connected by rubber-fabric shock absorbers the construction of the floating slurry hose line COMPOSIT excludes the possibility of displacement of floats along the slurry hose line. The float system provides buoyancy of the line taking into account the weight of the hose completely filled with soil.

The threefold safety margin frame structure, made of cord fabrics, provides uniform distribution of internal stresses and durability of the hose.

The internal wear-resistant liner of the floating hose Composit with plastic floats for diesel dredger is made of superior synthetic rubber resulting into the highest abrasion resistance.

ADVANTAGES

- superior hydrodynamics
- threefold safety margin
- stability to external environmental effects
- enhanced internal wear-resistant liner
- economic & operational benefit
- flexibility of hose lines
- lack of hydraulic loss
- low slurry flow-resistance
- rapid and easy installation
- mobility
- reliable and sound connectivity of sections



BASIC DIMENSIONS OF FLOATING HOSE COMPOSIT WITH PLASTIC FLOATS FOR DIESEL DREDGER

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	
	D		D1		L		D2 / d / n		Mpa	bar	Mpa	bar	Mpa	bar	mm	ft	kg	pound
TH-Φ-P-200	200	7 ⁷ / ₈	230	9 ¹ / ₁₆	10	32.81	295 / 22 / 8	11 ⁵ / ₈ / 7 ⁷ / ₈ / 8	1.0	10	1.5	15	3.0	30	4 000	13.12	291	642
TH-Φ-P-219	219	8 ⁵ / ₈	246	9 ² / ₃	10	32.81	305 / 18 / 12	12 / 2 ³ / ₃₂ / 12	1.0	10	1.5	15	3.0	30	4 380	14.37	294	648
TH-Φ-P-245	245	9 ²¹ / ₃₂	272	10 ⁵ / ₇	10	32.81	350 / 22 / 12	13 ¹³ / ₁₆ / 7 ⁷ / ₈ / 12	1.0	10	1.5	15	3.0	30	4 900	16.08	324	714
TH-Φ-P-273	273	10 ³ / ₄	300	11 ⁴ / ₅	10	32.81	370 / 22 / 12	14 ⁹ / ₁₆ / 7 ⁷ / ₈ / 12	1.0	10	1.5	15	3.0	30	5 460	17.91	343	756
TH-Φ-P-300	300	11 ³ / ₄	333	13 ¹ / ₈	10	32.81	400 / 22 / 12	15 ³ / ₄ / 7 ⁷ / ₈ / 12	1.0	10	1.5	15	3.0	30	6 000	19.68	395	871
TH-Φ-P-325	325	12 ²⁵ / ₃₂	359	14 ¹ / ₈	10	32.81	450 / 22 / 16	17 ²³ / ₃₂ / 7 ⁷ / ₈ / 16	1.0	10	1.5	15	3.0	30	6 500	21.32	461	1,016
TH-Φ-P-351	351	13 ¹³ / ₁₆	385	15 ¹ / ₆	10	32.81	470 / 22 / 16	18 ¹ / ₂ / 7 ⁷ / ₈ / 16	1.0	10	1.5	15	3.0	30	7 020	23.03	474	1,045
TH-Φ-P-377	377	14 ²⁷ / ₃₂	411	16 ¹ / ₅	10	32.81	490 / 22 / 16	19 ⁹ / ₃₂ / 7 ⁷ / ₈ / 16	1.0	10	1.5	15	3.0	30	7 540	24.73	558	1,230
TH-Φ-P-402	402	15 ¹⁹ / ₁₆	436	17 ¹ / ₆	10	32.81	515 / 26 / 20	20 ⁹ / ₃₂ / 1 ¹ / ₃₂ / 20	1.0	10	1.5	15	3.0	30	8 040	26.38	579	1,276
TH-Φ-P-426	426	16 ²⁵ / ₃₂	463	18 ² / ₉	10	32.81	565 / 26 / 20	22 ¹ / ₄ / 1 ¹ / ₃₂ / 20	1.0	10	1.5	15	3.0	30	8 520	27.95	632	1,393
TH-Φ-P-530	530	20 ⁷ / ₈	577	22 ²³ / ₃₂	10	32.81	740 / 33 / 20	29 ⁹ / ₈ / 1 ⁵ / ₁₆ / 20	1.0	10	1.5	15	3.0	30	10 600	34.78	757	1,669
TH-Φ-P-630	630	24 ¹³ / ₁₆	691	27 ⁷ / ₃₂	10	32.81	860 / 33 / 20	33 ²⁷ / ₃₂ / 1 ⁵ / ₁₆ / 20	1.0	10	1.5	15	3.0	30	12 600	41.34	1,472	3,245

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