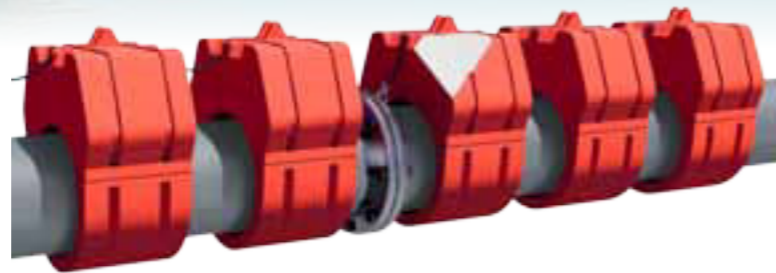


# FLOATING HOSE COMPOSIT WITH PLASTIC FLOATS FOR ELECTRICAL DREDGER

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 electrical dredgers on rivers and quarries. This is obtained by the shape of the float that affords an opportunity to lay a power cable through the floats with rigid fixation.

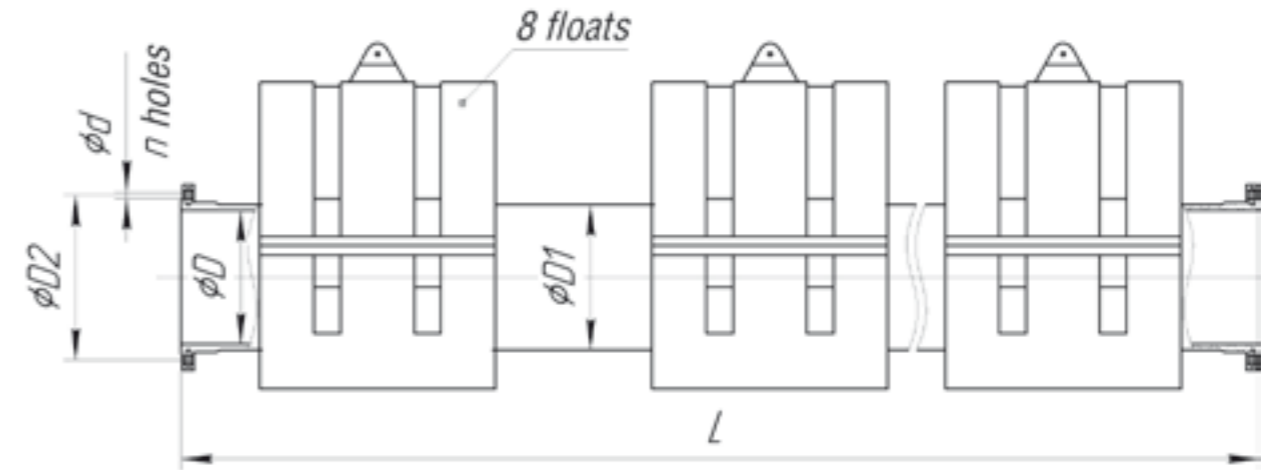
The float itself is made of wear-resistant plastic and filled with foamed material. In practice the normal operation of the hose requires 8 floats to be mounted on each section. Due to the fact that the floats are connected by rubber-fabric shock absorbers the construction of the floating slurry hose line COMPOSIT excludes the possibility of displacement of floats along the slurry hose line.

Dropping a line as per the construction of the hose it should be noticed that it is designed with a threefold safety margin. Made of cord fabrics it 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 electrical dredger is made of superior synthetic rubber resulting into the highest abrasion resistance.

## ADVANTAGES

- possibility of laying power cables
- superior hydrodynamics
- threefold safety margin
- 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 ELECTRICAL 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											
	mm	inch	mm	inch	m	ft	mm / mm / pcs	inch / inch / pcs	Mpa	bar	MPa	bar	Mpa	bar	mm	ft	kg	pound
TH-Φ-Π-200	200	7 7/8	230	9 1/16	10	32.81	295 / 22 / 8	11 5/8 / 7/8 / 8	1.0	10	1.5	15	3.0	30	4 000	13.12	260	573
TH-Φ-Π-219	219	8 5/8	246	9 2/3	10	32.81	305 / 18 / 12	12 / 23/32 / 12	1.0	10	1.5	15	3.0	30	4 380	14.37	266	586
TH-Φ-Π-245	245	9 21/32	272	10 5/7	10	32.81	305 / 18 / 12	13 13/16 / 7/8 / 12	1.0	10	1.5	15	3.0	30	4 900	16.08	357	787
TH-Φ-Π-273	273	10 3/4	300	11 4/5	10	32.81	370 / 22 / 12	14 9/16 / 7/8 / 12	1.0	10	1.5	15	3.0	30	5 460	17.91	377	831
TH-Φ-Π-300	300	11 3/4	333	13 1/8	10	32.81	400 / 22 / 12	15 3/4 / 7/8 / 12	1.0	10	1.5	15	3.0	30	6 000	19.68	429	946
TH-Φ-Π-325	325	12 25/32	359	14 1/8	10	32.81	450 / 22 / 16	17 23/32 / 7/8 / 16	1.0	10	1.5	15	3.0	30	6 500	21.32	479	1,056
TH-Φ-Π-351	351	13 13/16	385	15 1/8	10	32.81	470 / 22 / 16	18 1/2 / 7/8 / 16	1.0	10	1.5	15	3.0	30	7 020	23.03	487	1,074
TH-Φ-Π-377	377	14 27/32	411	16 1/5	10	32.81	490 / 22 / 16	19 9/32 / 7/8 / 16	1.0	10	1.5	15	3.0	30	7 540	24.73	565	1,246
TH-Φ-Π-402	402	15 13/16	436	17 1/8	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	590	1,301
TH-Φ-Π-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	643	1,418
TH-Φ-Π-530	530	20 7/8	577	22 23/32	10	32.81	740 / 33 / 20	29 1/8 / 1 5/16 / 20	1.0	10	1.5	15	3.0	30	10 600	34.78	867	1,911
TH-Φ-Π-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	1,439	3,172

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