

SAND REMOVER “PISTA” TYPE

GENERAL CHARACTERISTICS

Sand traps are used for purification plants that treat effluent from different networks. The sand has to be removed to prevent it from building up in the decantation and digestion tanks and causing problems.

CONSTRUCTIONAL CHARACTERISTICS

FRAME made of carbon steel;

OIL BATH GEAR MOTOR;

ROTATING UNIT consisting of a crown wheel and hollow shaft with a pair of adjustable stirring blades;

AIR AND WATER PIPES;

AIR-LIFT for extracting the sand.

STANDARD CONFIGURATION

All the parts that come in contact with liquid are made of hot-galvanized carbon steel.

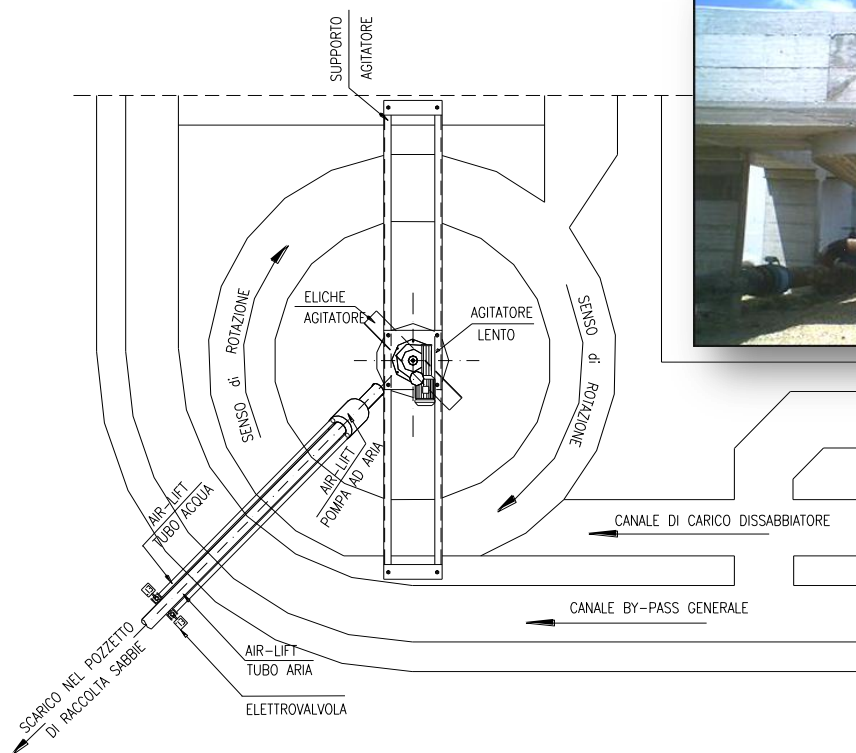
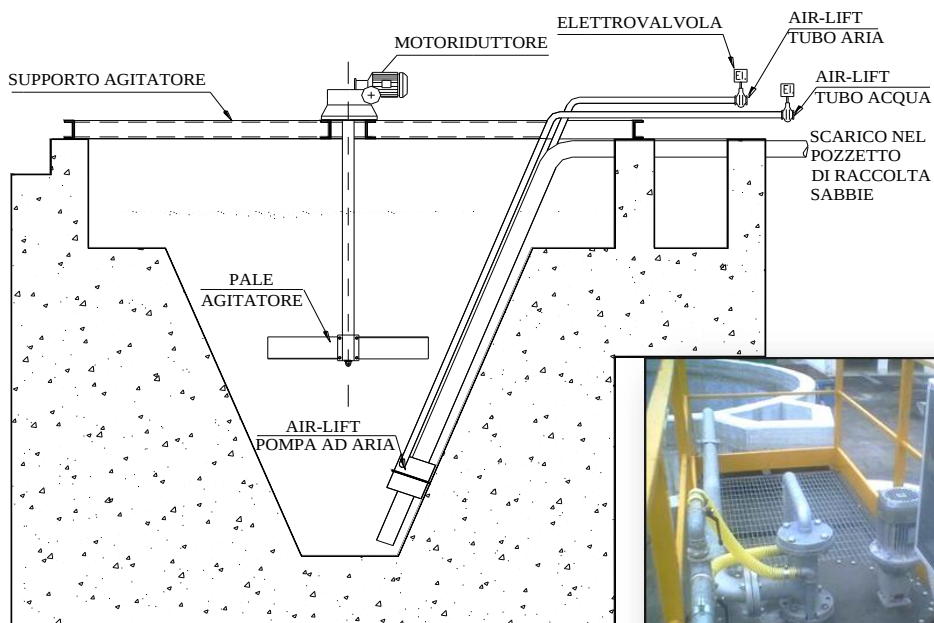
OPERATION

The sand collection tank, made of reinforced concrete, is circular with a tapered base and central scum box for collecting the sand. The stirring blades, turning at a suitable speed, ensure the sand settles evenly at the base of the tank. Pressurized water is then fed through pipes to clean the sand and remove the floating organic silt which is fed back into the cycle. When it is cleaned, the sand settles again at the bottom and is then removed with the air-lift and put in a scum box.



Main Features		UNIT	Dimensions				
MODELS			DTP 200	DTP 300	DTP 400	DTP 500	DTP 600
Tank diameter (d)	mm		2000	3000	4000	5000	6000
Max volume	m ³		3,0	8,5	19,5	35,0	58,0
Min flow rate	m ³ /h		235	680	1645	3050	5000
Max flow rate	m ³ /h		430	1220	2790	5000	8300
Power supply	kW		0,37	0,55	1,1	2,2	4,0

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The company reserves the right to make modification and improvements without prior notice.