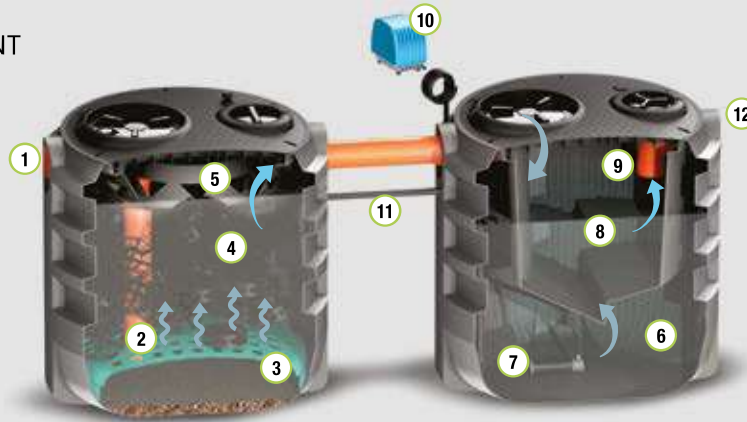


BIOLOGICAL | SECONDARY TREATMENT

SUPER SECONDARY WWTP TYPE: ISS



KEY

- | | |
|---|---------------------------------------|
| ① Inlet pipe | ⑦ Air diffuser |
| ② Bottom-up wastewater conveying pipe | ⑧ Secondary sedimentation |
| ③ Filling bodies supporting grid | ⑨ Clarified sewage upwelling |
| ④ Filtering mass (filling bodies) | ⑩ Compressor - blower |
| ⑤ Thomson Profile wastewater collection on the entire surface | ⑪ Recirculation air-lift |
| ⑥ Active sludge oxidation chamber | ⑫ Outlet pipe |
| | ⑬ Reinforced lid (with caps and vent) |

WHERE TO USE IT



INSTALLATION SCHEME



FUNCTION AND USE

The super secondary plant is made up of two products which provide for treatments using an anaerobic trickling filter and an active sludge plant. The double secondary treatment which compose the plant allows the water to be discharged onto the ground or, in the event that sludge recirculation is added using the special AIR - LIFT, to be reused for irrigation purposes. The waters, adequately pretreated, are introduced into the first tank in which the anaerobic purification of the wastewater takes place thanks to the biomass adhering to the filling bodies. In the second section, the aerobic digestion of the organic substances takes place through the suspended bacterial flora as a result of the insufflation of air supplied by powered micro-bubble diffusers fed by membrane compressor. The latter tank is equipped with a final clarification area in which the suspended sludge is separated before leaving the plant.

STANDARDS AND CERTIFICATIONS

EN 12566-3

TECHNICAL TABLE - PRICE LIST

icon	model	volume liters	P.E. n.	Le x W x h cm	he / hu cm	Ø pipe in/out mm	caps Ø cm		plant composition				T4	RI
							20	40	artifact	volume	artifact	volume	€	
							n.		mod.	liters	mod.	liters		
	ISS C 1680 T4/RI	1.680	6	310 x 130 x 97	78 / 76	125	2	2	FPN C 800	840	DFA C 800	840	3.270,00 *	3.870,00 *
	ISS C 2020 T4/RI	2.020	8	310 x 130 x 128	108 / 106	125	2	2	FPN C 800	840	DFA C 1200	1.180	3.600,00 *	4.200,00 *
	ISS C 2360 T4/RI	2.360	9	310 x 130 x 128	108 / 106	125	2	2	FPN C 1200	1180	DFA C 1200	1.180	3.885,00 *	4.485,00 *
	ISS C 2860 T4/RI	2.860	11	310 x 130 x 172	153 / 151	125	2	2	FPN C 1200	1180	DFA C 1600	1.680	4.110,00 *	4.710,00 *
	ISS C 3360 T4/RI	3.360	13	310 x 130 x 172	153 / 151	125	2	2	FPN C 1600	1680	DFA C 1600	1.680	4.980,00 *	5.730,00 *
	ISS C 3600 T4/RI	3.600	14	310 x 130 x 194	175 / 173	125	2	2	FPN C 1600	1680	DFA C 2000	1.920	5.550,00 *	6.300,00 *
	ISS C 3840 T4/RI	3.840	15	310 x 130 x 194	175 / 173	125	2	2	FPN C 2000	1920	DFA C 2000	1.920	6.585,00 *	7.335,00 *
	ISS CX 4020 T4/RI	4.020	16	330 x 150 x 194	175 / 173	125	2	2	FPN C 2000	1920	DFA CX 2100	2.100	6.765,00 *	7.515,00 *
	ISS CX 4700 T4/RI	4.700	18	350 x 150 x 182	159 / 157	125	2	2	FPN CX 2100	2100	DFA CX 2600	2.600	7.140,00 *	7.890,00 *
	ISS CX 5200 T4/RI	5.200	20	350 x 150 x 182	159 / 157	125	2	2	FPN CX 2600	2600	DFA CX 2600	2.600	7.485,00 *	8.235,00 *
	ISS CS 5620 T4/RI	5.620	22	355 x 165 x 182	159 / 157	160	2	2	FPN CX 2600	2600	DFA CS 3000	3.020	8.325,00 *	9.075,00 *
	ISS CS 6040 T4/RI	6.040	24	380 x 165 x 173	155 / 152	160	2	2	FPN CS 3000	3020	DFA CS 3000	3.020	8.625,00 *	9.390,00 *
	ISS CS 6520 T4/RI	6.520	26	380 x 165 x 198	175 / 172	160	2	2	FPN CS 3000	3020	DFA CS 3500	3.500	8.865,00 *	9.615,00 *
	ISS CS 7000 T4/RI	7.000	28	380 x 165 x 198	175 / 172	160	2	2	FPN CS 3500	3500	DFA CS 3500	3.500	9.180,00 *	10.080,00 *
	ISS CS 7500 T4/RI	7.500	30	410 x 195 x 196	175 / 172	160	1	3	FPN CS 3500	3500	DFA CS 4000	4.000	9.450,00 *	10.350,00 *
	ISS CS 8000 T4/RI	8.000	32	440 x 195 x 157	130 / 127	160	-	4	FPN CS 4000	4000	DFA CS 4000	4.000	9.765,00 *	10.665,00 *
	ISS CS 8500 T4/RI	8.500	34	440 x 195 x 178	153 / 150	160	-	4	FPN CS 4000	4000	DFA CS 4500	4.500	10.875,00 *	11.775,00 *
	ISS CS 9000 T4/RI	9.000	36	440 x 195 x 178	153 / 150	160	-	4	FPN CS 4500	4500	DFA CS 4500	4.500	11.700,00 *	12.600,00 *
	ISS CS 9600 T4/RI	9.600	38	440 x 195 x 199	172 / 169	160	-	4	FPN CS 4500	4500	DFA CS 5100	5.100	12.840,00 *	13.740,00 *
	ISS CS 10200 T4/RI	10.200	40	440 x 195 x 199	172 / 169	160	-	4	FPN CS 5100	5100	DFA CS 5100	5.100	13.485,00 *	14.985,00 *
	ISS CR 10700 T4/RI	10.700	42	475 x 230 x 199	172 / 169	160	-	4	FPN CS 5100	5100	DFA CR 5600	5.600	14.640,00 *	16.140,00 *
	ISS CR 11200 T4/RI	11.200	44	510 x 230 x 188	157 / 154	160	-	4	FPN CR 5600	5600	DFA CR 5600	5.600	15.315,00 *	16.815,00 *
	ISS CR 12600 T4/RI	12.600	50	510 x 230 x 218	181 / 179	160	-	4	FPN CR 5600	5600	DFA CR 7000	7.000	16.410,00 *	17.910,00 *
	ISS CR 14000 T4/RI	14.000	56	510 x 230 x 218	181 / 179	160	-	4	FPN CR 7000	7000	DFA CR 7000	7.000	18.150,00 *	19.650,00 *

T4: SOIL
RI: REUSE

* command electric panel **excluded**