



Depuración de Aguas Residuales Urbanas
 Fabricación y Diseño de Depuradoras y Accesorios
 Separadores de Hidrocarburos Certificados
 Fabricación Depósitos en PRFV
 Decantadores y Espesadores en PRFV

COMPACT PURIFICATION PLANT FOR WATER WITH ORGANIC MATTER LOAD

REF: PUR- FQFF-CA

FEEDING PUMP + PRETREATMENT F-Q + MULTILAYER FILTER + ACTIVE CARBON FILTER + DISINFECTION CL

ABOVE-GROUND INSTALLATION AND AUTOMATIC CLEANING SYSTEM

Function:

- Removal of suspended solids, turbidity, microorganisms and contaminants reduction (Fe, Mn).
- Removal of free chlorine, odours, flavours and absorption of specific organic compounds such as pesticides.
- Treatment of medium-low quality water, normally surface water issued from rivers, lakes and tanks.
- Characteristics of the inlet water:
 - Concentration of suspended solids and turbidity:
TSS < 500 mg/l; Turbidity < 50 NTU
 - Concentration of dissolved solids: TDS < 1500 mg/l
 - Concentration of contaminants below the acceptable threshold.

Characteristics:

- Compact equipment for water purification in accordance with the Regulation R.D. 140/2003 and recommendations of the World Health Organization (WHO).
- Purification system, Salher brand, with possibility of mounting on carbon steel structure, composed of the following elements, according to the final use:
 - Pre-chlorination composed of dosing pumps with regulation of the pulse frequency, proportional to the flow controlled by a pulse generator counter.
 - Participates to the filtration through the dosage of coagulant, flocculants and pH correctors, proportional to the flow. Composed of dosing pumps, reactive tanks, level probes and accessories.
 - High efficiency filters, in GFRP (Glass Fiber Reinforced Polyester), with automatic cleaning system, provided with silex and anthracite filling material, with grain size selected according to final use.
 - Active carbon filters, in GFRP (Glass Fiber Reinforced Polyester) with manual or automatic cleaning system, filling material of different types and composition according to needs and grain size selected according to final use.
 - Ring filters with different filtration degrees, according to final use.
 - Feeding system to filtration treatment composed of centrifuge pumps, provided with regulation system and flow control, level regulators, etc...
 - System of control of water quality on tank composed of suction recirculation pump, provided with regulation system and automatic chlorination system.
 - Panel board for control and command of the treatment.

OBSERVACIONES

Plazos de entrega expresados en días laborables y a partir de la conformidad por nuestra parte del pedido.
 Las condiciones generales de venta de Salher, están a disposición de nuestros clientes, en caso de duda.
 En las primeras ventas, el plazo de entrega estará supeditado a la petición de informes bancarios salvo en operaciones de contado.





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- Set of accessories composed of interconnecting pipes between pieces of equipment, valves, sampling intakes, regulation and control systems, etc.
- GFRP STRUCTURE-SKID with hydraulic and electrical interconnection of the elements.

Options:

- Alternatives to silex- anthracite multilayer filter:
 - Filtration through zeolite. Ref.: PUR-FQ-Z (CONSULT)
 - Filtration through active glass. Ref.: PUR-FQ-V (CONSULT)
- Raw water tank. Enables the separation of the functioning of the water feeding plant.
- Treated water storage tank.
- Alternative system of disinfection of the treated water in post-treatment.

GENERIC SKETCH:



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m ³ /h	Length [mm]	Width [mm]	Height [mm]	Power installed
0,5	2.600	1.600	1.200	2,4kW / 400V
1	2.700	1.600	1.500	2,4kW / 400V
3	2.700	1.600	2.000	2,4kW / 400V
5	2.800	1.800	2.300	3,2kW / 400V
10	2.800	2.100	2.450	5,3kW / 400V
15	3.600	2.250	2.450	7,1kW / 400V
20	4.100	2.500	2.300	8,6kW / 400V
25	4.300	2.700	2.300	9,5kW / 400V
30	4.800	2.700	2.300	11,6kW / 400V
35	5.200	2.900	2.300	11,6kW / 400V
40	5.700	3.200	2.300	14,8kW / 400V
45	5.700	3.200	2.300	14,8kW / 400V
50	4.950	3.200	1.600	16,8kW / 400V
60	5.000	3.500	1.600	18,6kW / 400V
70	5.100	3.700	1.700	22,6kW / 400V
80	5.700	4.000	1.800	27,8kW / 400V
90	5.700	4.400	2.000	29,6kW / 400V
100	6.200	4.500	2.200	33,1kW / 400V

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