

LAMELLA FILTER TANK 150 SS

IDEAL USAGE

Projects that require separation of slow settling and/or slow floating pollution from liquids at high flows

APPLICATIONS

- Removal of slow settling solids in waste streams, for example a bypass of clarifiers
- Separation of slow floating pollutants, for example a bypass of an oil water separator (API)
- Treatment of waste streams containing both floating and settling pollution



WEIGHT AND MEASURES

Capacity:	150 m ³ /h (max)
Volume:	20,000 liters
Height:	3,581 mm (service) 2,700 mm (transport)
Width:	2,522 mm
Length:	7,249 mm
Weight:	5,500 kg approx. (empty)
Max temperature:	50 °C

FEATURES

Connections:	6" ANSI 150# inlet (x1) 6" ANSI 150# outlet (x1) 4" ANSI 150# sludge outlet (x1)
Valves:	4" ANSI 150# knife gate valves for sludge cones (x3) 1" ball valve SS for sludge sampling (x3) 1" ball valve SS for flush points (x4)
Misc. Pipe connections:	1" ANSI 150# flush (x1) 4" ANSI 150# skimmer outlet on top (x1) 8" ANSI 150# inspection / cleaning flange on top (x1) 4" ANSI 150# flange on top (connection for vapor treatment) (x1)
Relief valve:	Cast aluminium thief hatch, NBR gasket, pressure setting 17 mbar, vacuum setting 1.7 mbar
Access:	992 mm x 742 mm inspection and cleaning hatch 1147 mm x 496 mm access to lamella compartment 1147 mm x 847 mm access to lamella compartment Stairway to access top deck at front (x1)
Gaskets roof:	NBR
Gaskets wetted parts:	Viton (knife gate valves) PTFE (ball valves)
Guardrails:	Along top deck, stairway and access landing, fold-down round tubing (patent design)

CONSTRUCTION

Tank:	304 stainless steel
Frame:	Galvanized and coated steel
Lamella packages:	PE / HDPE / 316 stainless steel
Piping:	304 stainless steel

TRANSPORT

Hookloader:	Hook adjustable to different EU standards: 1.57 m and 1.43 m. Roller wheels (x2) at rear
Cable lifting:	Frame equipped with connections for cable lifting system
Lifting:	Lifting eyes on top of frame (x4)

SURFACE DETAILS

Interior tank coating:	Pickling and passivating
Exterior tank & railing coating:	Pickling and passivating
Roof coating:	Polyurethane finish Korund anti-slip epoxy coating (green)
Frame coating & stairs:	Carbozinc 858, 50 - 100 micron Corbothane 134HS, 150 - 230 micron Fleetmac green coloured

QUALITY AND SAFETY

- Approved for road transport throughout the EU
- Quality control inspections level 1, 2 & 3 on a scheduled basis
- Hydrostatic water test after construction and major repairs
- Safety restriction bars and anti-tipping grates in each of the top hatches

PATENT

- International Patent Pending - PCT/US19/043419

