

Ecologix's rectangular GD-DAF is an improved design that enhances separation and clarification of insoluble contaminates. When combined with the flocculants system, the unit is capable of removing in excess of 95% scum and FOG (fats, oily & grease) .



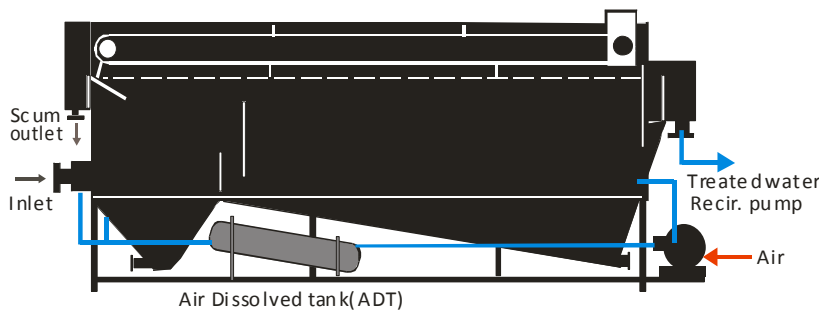
↑ Without chemical flocculation, the F.O.G floating on the surface

← Following the chemical flocculation, scum and floc-sludge floating to the surface and scrapped by skimmer system

The feed water to the GD-DAF float tank is often dosed with a coagulant and flocculants to flocculate the suspended matter. A portion of the clarified effluent water leaving the DAF tank is pumped into a air dissolved tank(ADT) into which compressed air is also introduced. This results in saturating the pressurized effluent water with air. The air-saturated water stream is recycled to the front of the float tank and flows through a pressure reduction valve just as it enters the front of the float tank, which results in the air being released in the form of tiny bubbles(white water). The bubbles adhere to the suspended matter, causing the suspended matter to float to the surface and form a froth layer which is then removed by a skimmer. The froth-free water exits the float tank as the clarified effluent from the DAF unit.

GD-DAF unique features:

- Proven technology
- Cost effectiveness
- Minimal space requirements
- Above ground and accessible
- Few moving parts



Applications:

- Poultry and slaughterhouses
- Petrochemical industry
- Convenience food production
- Oil and fat refineries
- Industrial kitchens and canteens
- Meat, fish processing and packing

Dimension and Technical data

Model	Flow rate (m ³ /h)	Recir. Pump Hp	Dimension L x W x H(mm)	Connect Schedule-Flange			
				Inlet	Outlet	Sludge	Drain
GD-DAF 6	6	3.0	2000 x 1600 x 1500	2"	2"	2"	2"
GD-DAF 12	12	5.0	2400 x 1600 x 1600	3"	3"	3"	2"
GD-DAF 18	18	7.5	2800 x 1800 x 1600	3"	3"	3"	2"
GD-DAF 24	24	10	3800 x 2000 x 1800	4"	4"	3"	2"
GD-DAF 36	36	15	4900 x 2000 x 2100	4"	4"	3"	2"
GD-DAF 48	48	15	5400 x 2000 x 2100	6"	6"	4"	3"
GD-DAF 60	60	20	6000 x 2000 x 2100	6"	6"	4"	3"
GD-DAF 72	72	20	6400 x 2000 x 2400	6"	6"	4"	3"
GD-DAF 90	90	25	8000 x 2000 x 2400	8"	8"	6"	4"
GD-DAF 120	120	30	10,000 x 2000 x 2400	8"	10"	6"	4"
GD-DAF 150	150	45	12,000 x 2000 x 2400	8"	10"	8"	6"

● 180~300 m³/h flow rate available ●Material(s): Stainless steel 304 with epoxy coated; 316 available as option
 ● Package included Tank, Pump, Sludge skimmer, Air Dissolved Tube system (ADT) and Control panel

- Dependent on the floc concentration, the technical data and dimensions are subject to change without notice.
- Settle tank types are subject to change without notice.