

Dissolved Air Flotation DAF

BARAN™ DAF technology Included Lamella Plate to Improve more surface separation Area and, separation efficiency of the unit.

BARAN™ DAF unit is capable of removing in excess of %95 of flocculated scum/sludge, reduced COD, BOD, FOG & TSS.

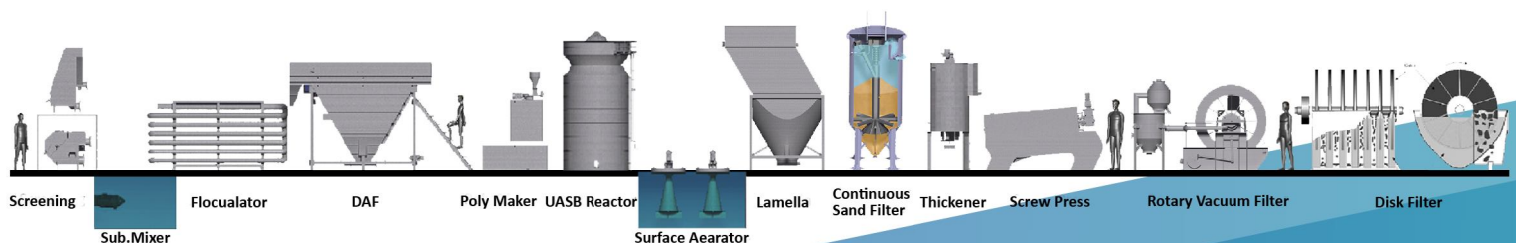
Process: The feed water to the BARAN™ DAF is often receiving the waste water from plug flow pipe flocculator system. A portion of the clarified effluent water leaving the DAF tank is pumped into an Air Dissolver Tank system into which compressed air is also injected.

This results in saturating the pressurized milky water. The milkywater is pressure released in of the float tank which results in the air being released in the form of fine bubbles (10 - 20micron).

The bubbles adhere to the suspended matter, causing the suspended matter to float to the surface and form a cake layer which is then removed by a skimmer. The clean water exits the float tank as the clarified effluent from the DAF unit. BARAN™ DAF unit designs utilize parallel plate packing material (Lamellas) to provide more separation surface and therefore to enhance the separation efficiency of the unit.

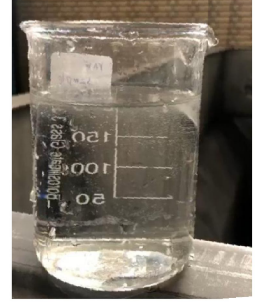
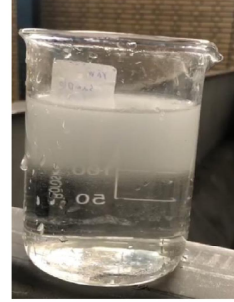
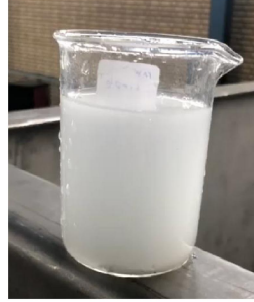
Applications

- Food Production
- Poultry and Slaughterhouses
- Meat and Fish Processing
- Industrial kitchens and Canteens
- Textile, Pulp and Paper Industry
- Ground water clarification
- Petrochemical industry
- O & G Refineries
- Sea water algae removal



BARAN™ offers the following unique features

- Proven technology
- Cost effectiveness
- Minimal space requirements
- Prevention and elimination of odors
- Above ground and accessible
- Easy of operation



Model	Flow rate m ³ /h	Dimension L×W×H (mm)	Nozzle Flange			
			Inlet	Outlet	Sludge	Drain
BDAF-015	15	4200 × 2200 × 3800	4"	6"	4"	4" × 1
BDAF-040	40	4800 × 2700 × 3800	6"	8"	4"	4" × 1
BDAF-080	80	5500 × 3700 × 3800	8"	10"	6"	4" × 3
BDAF-120	120	12000 × 5500 × 4800	12"	16"	8"	4" × 3
BDAF-240	240	16000 × 5300 × 4800	14"	18"	6"	4" × 6
BDAF-400	400	16000 × 6500 × 5100	14"	20"	6"	4" × 6

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