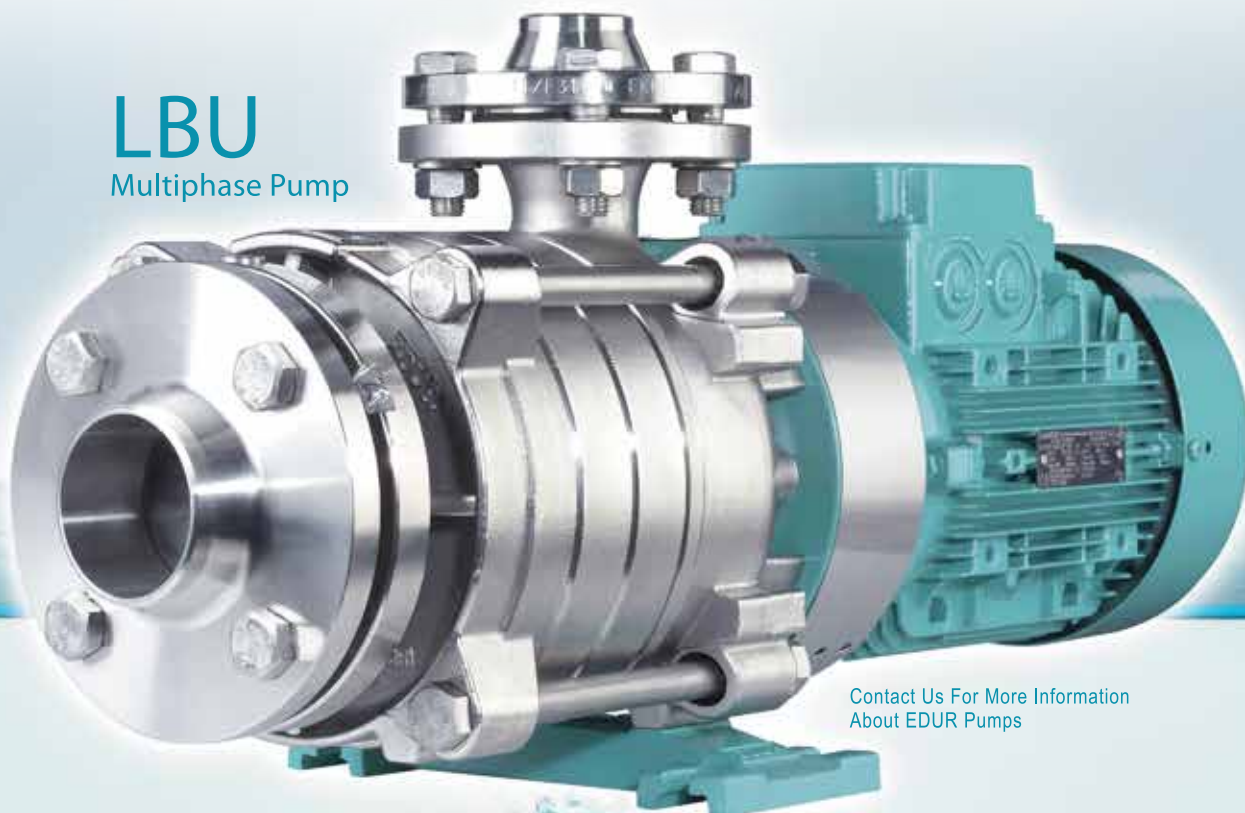




DISSOLVED AIR FLOTATION

Efficient Air Saturation • 30 Micron Micro Bubbles • 40% Reduced Costs Over previous DAF Systems

LBU
Multiphase Pump



Contact Us For More Information
About EDUR Pumps

Proven Performance and Reliability in Thousands of Installations

In Today's DISSOLVED AIR FLOTATION applications, blending of effluent/air mixture is essential for proper sludge flotation development. The unique design technology of EDUR DAF (dissolved air flotation) Pumps not only meet these requirements, but also reduces energy costs and will eliminate the common problems associated with previous saturation systems.

At Every installation where EDUR DAF Pumps have been incorporated into the production of separating suspended solids and emulsified oils from industrial and municipal waste streams, the conclusions are similar. The recorded analysis and results have verified their ability to produce exceptional performance and provide lower cost and long service life.

EDUR DAF Pumps have achieved high praise and are proven extremely dependable and very efficient. Their unmatched features, benefits and economics have allowed them to be the premier pump choice of many Wastewater Treatment Plants, nationwide. The EDUR DAF Pumps are an outstanding solution for DAF Pump Systems.



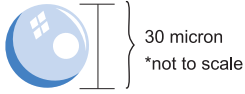
Shanley Pump & Equipment, Inc.

2525 South Clearbrook Drive Arlington Height, IL 60005 • Phone: 847.439-9200 • www.shanleypump.com • sales@shanleypump.com

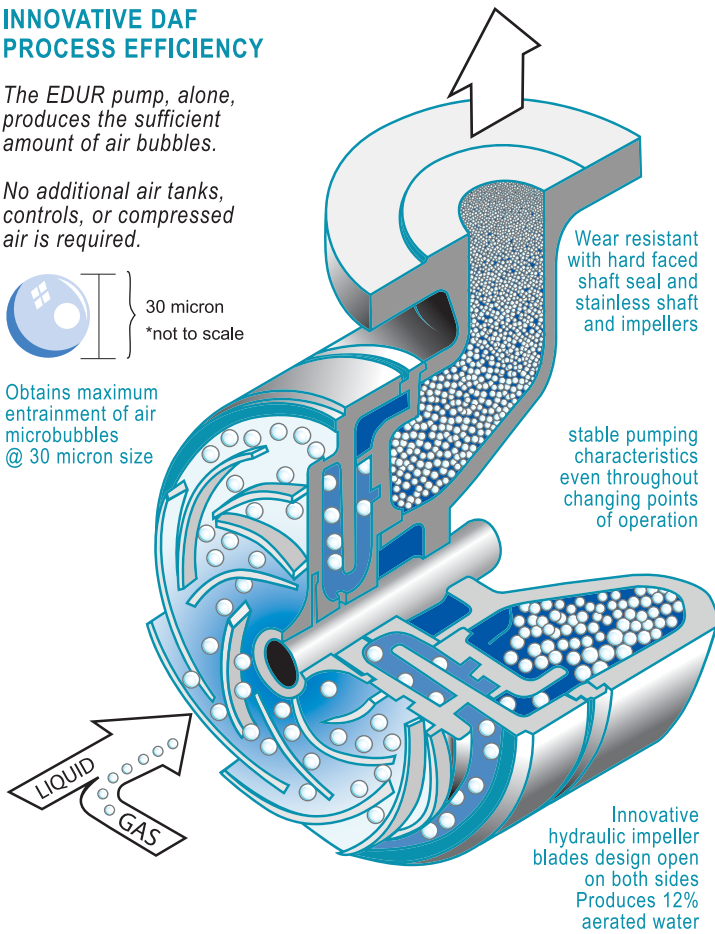
INNOVATIVE DAF PROCESS EFFICIENCY

The EDUR pump, alone, produces the sufficient amount of air bubbles.

No additional air tanks, controls, or compressed air is required.

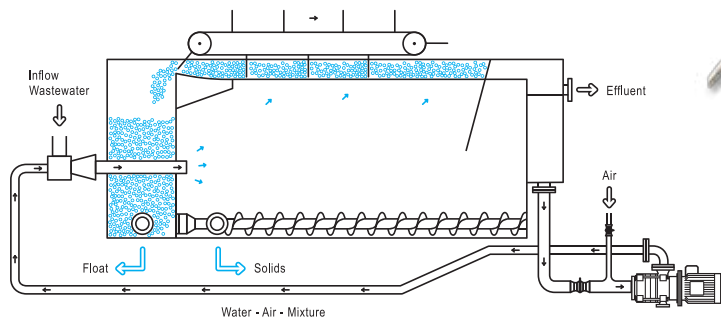


Obtains maximum entrainment of air microbubbles @ 30 micron size



EDUR DAF System

A DAF system with use of the EDUR DAF Pump providing air enriched recycled effluent. A typical 100 GPM EDUR recycle pump provides optimal 12% dissolved air. Total Power: 10 HP

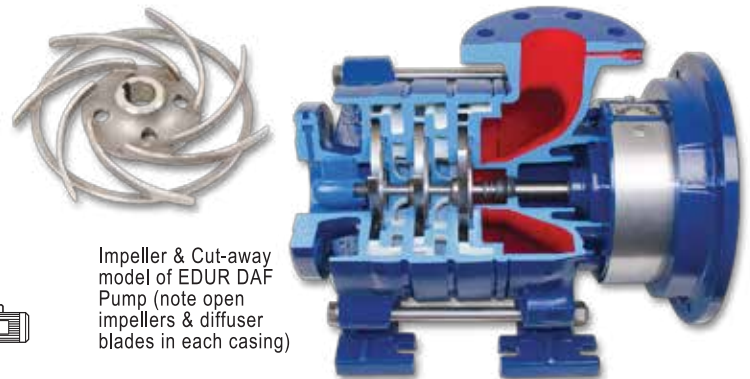


A UNIQUE BLENDING OF EFFLUENT AND AIR

The DAF process incorporates the production of microscopic air bubbles mixed with wastewater containing the suspended contaminants. The small bubbles attach themselves to the suspended particles, which give them a net positive buoyancy. These combined buoyant clusters of particles and bubbles then rise smoothly to the surface, forming a "float" which is removed by skimming.



- Now a simple, efficient air saturation system is available from EDUR
- Ultra-Fine, 30 Micron Micro Bubbles are produced for optimum flotation in DAF systems
- Costs reduced by up to 40% over previous DAF Systems
- Ideal for Dissolved Air Flotation or and system requiring gas charging of liquids
- Available in 316 Stainless Steel & 329 Duplex SS



Impeller & Cut-away model of EDUR DAF Pump (note open impellers & diffuser blades in each casing)

FEATURES, SPECIFICATIONS AND APPLICATIONS INCLUDE:

- Thousands of successful Dissolved Air Flotation pump system installations in new and retrofit applications
- EDUR DAF Pumps are easily retrofitted into the recycle stream in conventional DAF Systems
- Reduction of energy costs greater than 25% over previous DAF Systems
- Elimination of costly ASME coded air saturation tank, compressed air, and air control panel
- Efficient utilization of gas saturation and pressure, forming uniform micro-bubbles less than 30 microns in diameter
- Superior separation efficiencies greater than 95%, with enhanced float solids concentration reported at 3 to 8 wt%
- Reduction of chemical usage by 30%
- Reduction in DAF footprint
- Typical EDUR DAF saturation system delivery is from our inventory, minimising plant downtime
- EDUR DAF Pump System is now integrated into many leading OEM DAF units
- Trusted End-users:
Many City Sewage Plants, Auto Manufacturing, Food Plants, Industrial Laundries, Steel Mills, Rendering Plants, and Dairies
- EDUR DAF Pumps are also available in 316 SS construction and 329 SS (duplex) construction
- Typically treating Waste Activated Sludge; Return Activated Sludge; Primary & Secondary Sludge; and Blended Sludge