

**EDUR<sup>®</sup>**

**PBU**

**Centrifugal DAF Pump**

**Shanley Pump  
& Equipment, Inc.**



# PBU EDUR®

## Features

The EDUR PBU Series Centrifugal DAF Treatment and Ozone Mixing Pump is a truly remarkable centrifugal pump for DAF and Gas-Liquid pumping applications.

The PBU's ability to reliably process and pump without cavitation entrained gases in liquids with contents of up to 30% or its high energy-efficiency and its technical superiority and ability to replace many pumping components into a single unit the PBU Series is truly a leader in the field of DAF Pumps and DAF Pump Systems.

## Description

The PBU's ability to generate stable micro bubbles to supersaturate a system is what sets it apart. The PBU series allows for direct-gas charging into a suction pipe. The necessity for pressure tanks, pumps, control systems and venturi's are no longer required with the PBU Pump from EDUR. For Ozone systems, the PBU 210 series could be the best decision for a pump you make this decade with the savings you'll have by removing unnecessary equipment.

The open impeller construction allows for reliable entrapment and direct injection of gases such as Ozone to reach concentration of up to 15% in solution in your flow system. Other gases can reach the 30% stated above.

The PBU Multiphase achieves low velocity of flow with a high degree of dispersion of micro bubbles for optimal enrichment of mixing liquids with gases at operating conditions of up to 232 PSI and with a flow range of 0-15 GPM at temperatures ranging from -40°F to +284°F with a Viscosity of 115 mm<sup>2</sup>/s.












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## Usage

The EDUR PBU Series Centrifugal DAF Treatment and Ozone Mixing Pump is also an Ideal solution for traditional DAF (Dissolved Air Flotation) systems with its high gas-content capability to produce "White Water".

White Water is a term used for when water is supersaturated with micro bubbles of diameters smaller than 30 microns. These bubbles attach themselves to particulate matter and make it buoyant where it can be then floated to the surface for easy collection.

## Main Applications

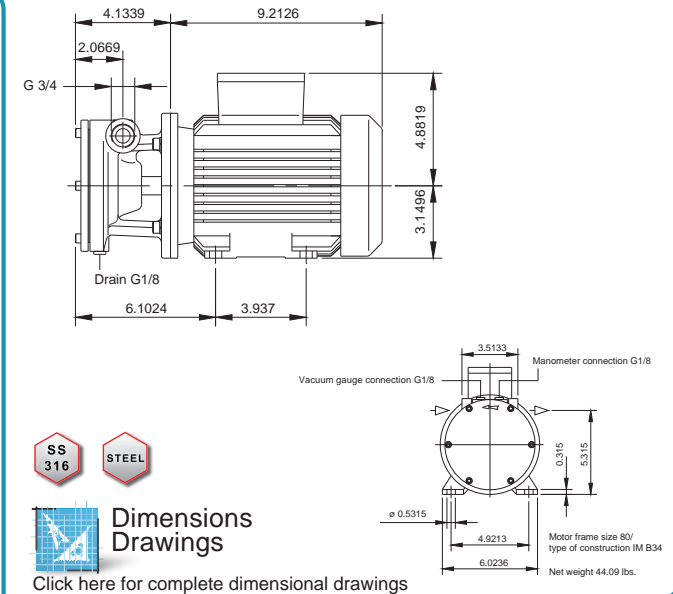
-  Water Supply & Treatment
-  Wastewater Treatment
-  Bio-Tech Industry
-  Surface Cleaning Applications
-  Liquid-Gas Pumping Applications
-  High Pressure
-  Food Sterilization
-  DAF Process
-  Oil/Scum Removal

**GPM** 0 - 15 GPM

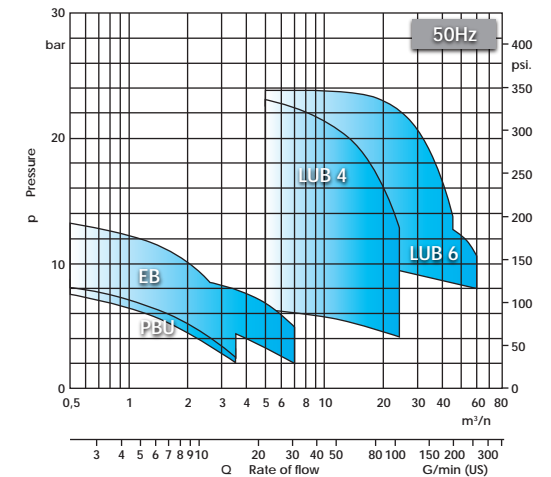
**PSI** 0 - 232 PSI

**TEMP** -40°F - +284°F

**HEAD** 377 ft.



## 50Hz Performance Curve



Click here for complete Flow Curves