

# Quick Guide

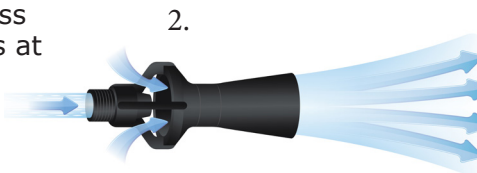
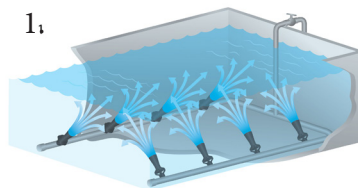
## Eductors

### ▶ WHAT ARE THEY?

Eductors are nozzles that are positioned under the surface of a fluid in a tank in order to keep it in motion to ensure that sedimentation or separation of the liquid does not occur. They are used across a range of industries including the food and beverage, chemicals and pre-treatment sectors.

### ▶ HOW DO THEY WORK?

Fluid is pumped through an eductor via a pipe (diagram 1) but the hourglass shape of eductor nozzles and the gaps at the back of their casings (diagram 2) allow surrounding fluid to be drawn in as well as the pumped-through fluid. This is due to a principle called the Venturi effect and enables 4-5 times the pumped fluid to be moved. This means small pumps can circulate fluid in large tanks and that eductors may be more effective and less expensive than mechanical mixers for many applications.



### ▶ APPLICATIONS

- General circulation of fluid
- Mixing fluids to keep solids suspended
- Blending
- Plating and rinsing

### ▶ ADVANTAGES

- Economical and effective
- Simple design means little maintenance
- Lightweight
- Easy to install (accessories available)

### ▶ PRODUCT VARIANTS

**TurboMix** (brass, cast iron & stainless steel)



**Uni-Eductor** (glass-reinforced polypropylene)