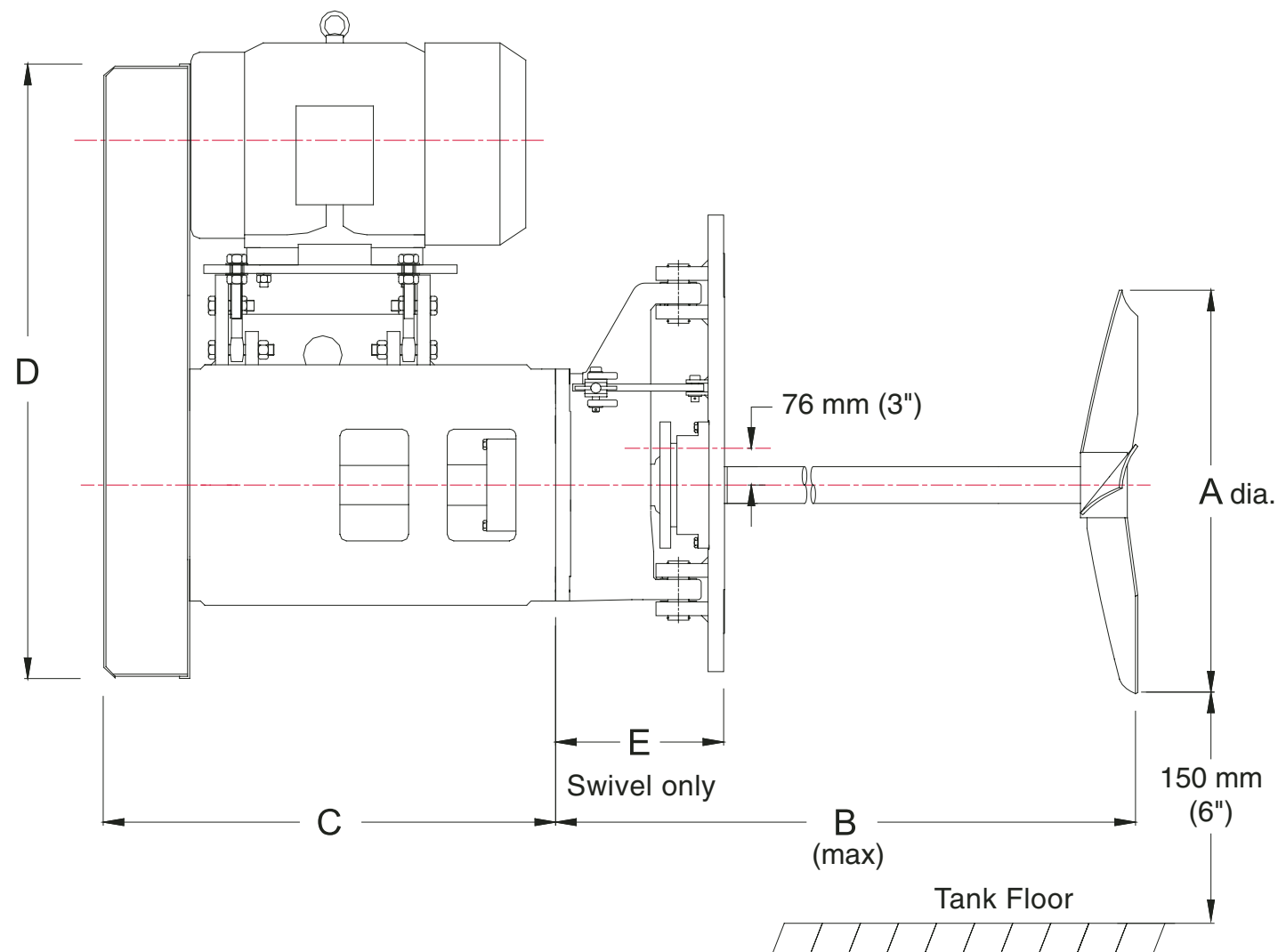
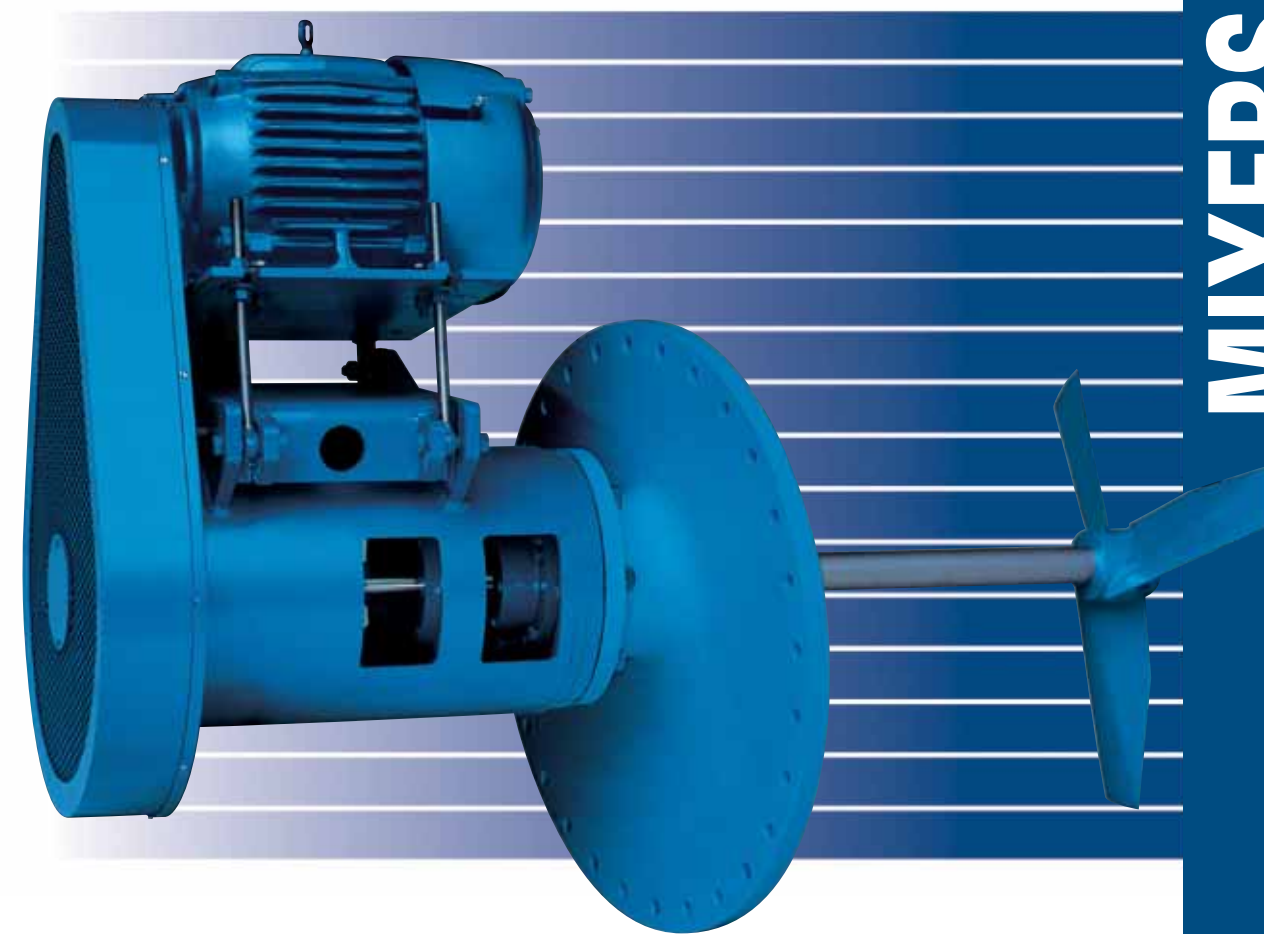


**PSE SIDE ENTRY MIXERS**



|                        | 60 mm       | 70 mm      |
|------------------------|-------------|------------|
| <b>Output Speed</b>    | 420 nominal |            |
| <b>A (dia.)</b>        | 20" to 28"  | 29" to 31" |
| <b>B</b>               | 33"         | 43"        |
| <b>C</b>               | 27"         | 34"        |
| <b>D</b>               | 36"         | 46"        |
| <b>E (swivel only)</b> | 10"         | 10"        |



**MIXERS**

Hayward Gordon's Line of PSE Side entry mixers combine over 40 years of mixing technology. Designed specifically for the petroleum industry, the PSE mixer is equipped with a state-of-the-art hydrofoil impeller providing maximum pumping and thrust for maximum mixing.

**CANADA**

6660 Campobello Road  
Mississauga, Ontario L5N 2L9  
(905) 567-6116 Fax (905) 567-1706

**U.S.A.**

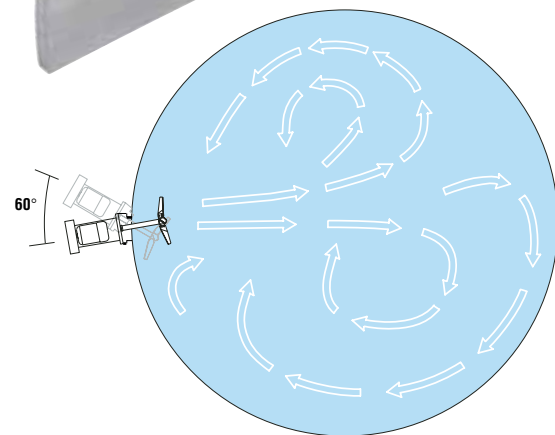
1051 Clinton Street  
Buffalo, New York 14206  
(716) 856-4636 Fax (905) 567-1706

**Western U.S.A./  
Western Canada**

(604) 986-8764 Fax (604) 986-8794

## PROVEN DESIGN

With more than 30 years of manufacturing side entry mixers for numerous applications, we have developed a thorough understanding of the high unbalanced loads with which the mixer must contend.



## SWIVEL ANGLE FOR SEVERE PETROLEUM INDUSTRY APPLICATIONS

Swivel-angle mixers incorporate a feature which allows the mixer angle of entry to be varied through 30° either side of the mixer centerline in 10° increments and enables the entire tank floor to be scoured by the induced impeller flow.

Applications include:

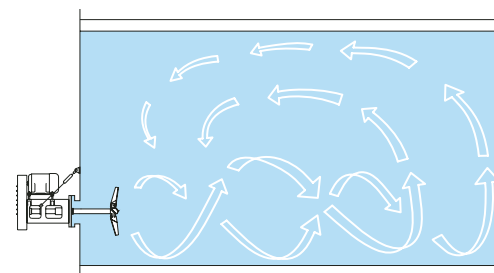
- Crude Oil Storage
- B.S. & W. Control

## SIZES

- Standard size range includes 15 to 50 HP with impellers ranging from 20" to 31" diameter allowing for a wide range of selections to suit individual applications.
- All units are supplied with high torque drive (HTD) reinforced tooth belts for quiet, maintenance free operation with positive drive. Standard output speeds satisfy the majority of applications with custom speeds available to closely match required torque for special situations.

## HIGH EFFICIENT HYDROFOIL IMPELLER

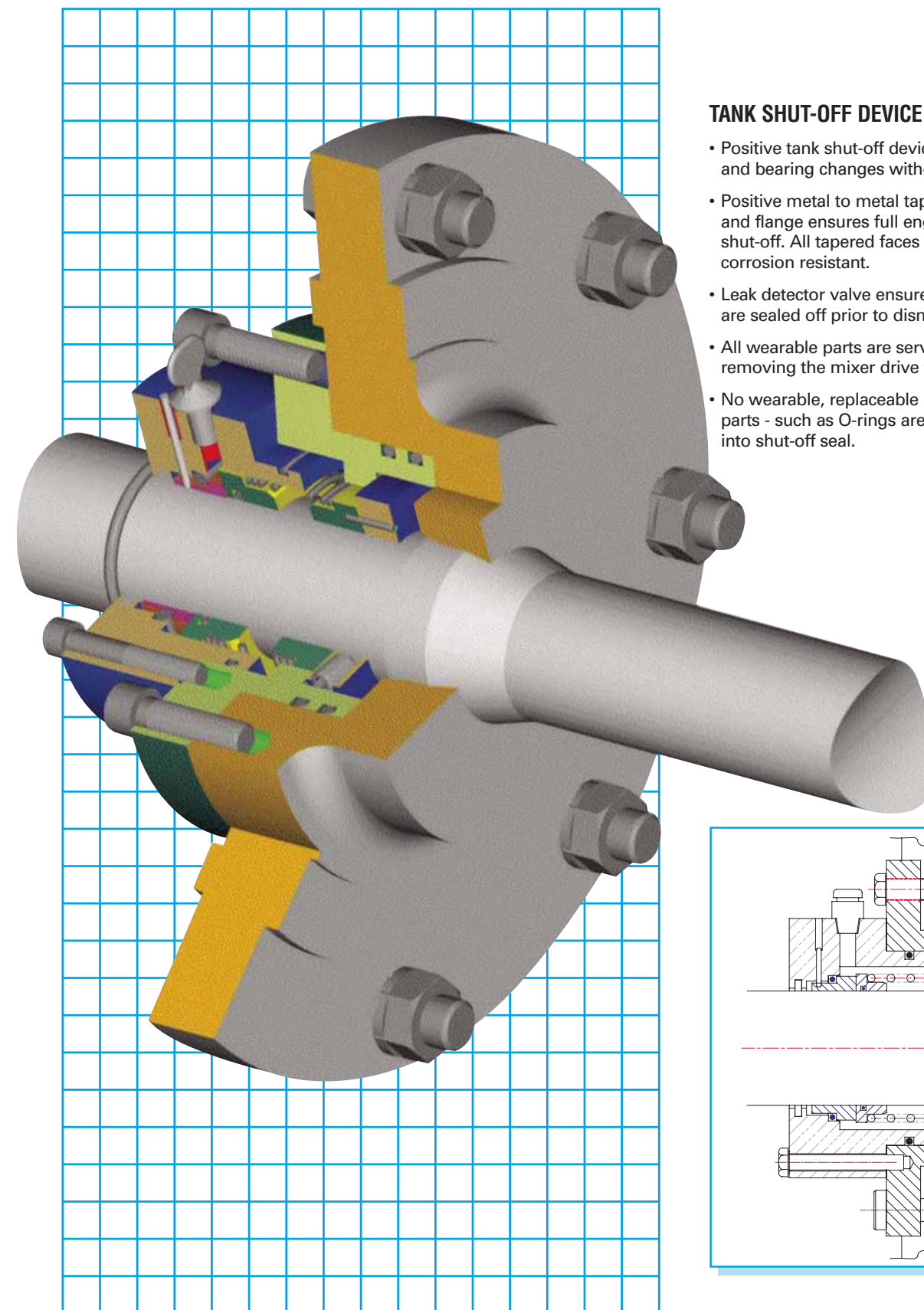
- High efficient hydrofoil impeller provides maximum pumping for optimum results.
- Low impeller power number ensures minimal operating costs.
- Design optimized with the use of Laser Doppler and Computational Fluid Dynamics technology.
- Impeller is positively retained on shaft by a taper fit, key and lock bolt.



## FIXED-ANGLE

Fixed-angle mounts 10° to the left of the tank axis, providing complete top to bottom turnover.

- Maintains Homogeneity - Complete top to bottom turnover and uniformity.
- Blending - Mixing two or more components requires full tank turnover.
- Heat Transfer - Provides maximum pumping while cooling or heating to ensure a uniform temperature.



## TANK SHUT-OFF DEVICE

- Positive tank shut-off device allows for seal and bearing changes without emptying the tank.
- Positive metal to metal taper lock on shaft and flange ensures full engagement of shut-off. All tapered faces are wear and corrosion resistant.
- Leak detector valve ensures that tank contents are sealed off prior to dismantling.
- All wearable parts are serviceable without removing the mixer drive from the tank.
- No wearable, replaceable or perishable parts - such as O-rings are incorporated into shut-off seal.

