



The Jet Flo agitator is a vertically mounted agitator with a propeller operating inside a draft bend assembly. It produces flow directed horizontally in either single or twin fluid jets. Jet Flo equipment will normally operate at shaft speeds of either 1750 or 1150 rpm. The assembly can discharge either up or down, either single or double discharges. The directed flow pattern produced by a Turbo-Tube agitator is effective in utilizing vessels of unusual geometry as agitated process vessels.

The steady bearing is an integral part of all Jet Flo designs. The steady bearing must be wetted at all times by the process fluid. The mix in which the Jet Flo operates must not contain abrasive solids which, would interfere with the operation of the steady bearing.

Fluids with viscosity over 2000 cps are not effectively handled by Jet Flo equipment due to the degradation of propeller pumping efficiency with increasing fluid viscosity.

The Turbo-Tube is mounted onto the tank car with a standard 150# flange.

BASIC SELECTION

Railroad Tank Cars

For railroad tank cars of 8,000 and 10,000 gallons with fluid viscosity no more than 100 cps and specific gravity no more than 1.10, our standard selection is the Hayward Gordon model HJF-50. A 5 HP unit operating at 1750 rpm.

Railroad tank cars in excess of 10,000 gallons are of non-standard configuration and a Hayward Gordon representative should be contacted. The following information should be supplied to ensure proper sizing of the Jet Flo mixer. Obtain the diameter of the railroad tank car, the overall length, dimensions of the anticipated agitator mounting flange on the dome of the tank car, the distance between the agitator mounting flange and the bottom of the railroad tank car, specific gravity, and the viscosity.