



Propeller Type Agitation Tanks

CONTACT US

Phone: 310-830-6601

FAX: 310-830-9336

Email: info@sepor.com
& services@sepor.com

LOCATIONS

WEST COAST

718 N. Fries Avenue
Wilmington, CA 90744

EAST COAST

3740 NW 124th Ave
Coral Springs, FL 33065



Agitation Tank Shown With Optional Slurry Pump, Recirculation Piping, Controls, And Skid Mounted

Description:

Sepor's propeller type agitation tanks are designed for a range of applications from light to heavy duty. The tanks can be constructed of mild steel, stainless steel or may be lined with teflon coatings. They include a gear reduced propeller agitator mounted on a structural steel truss in the center of the tank, have structural steel legs to give floor clearance, flanged input and discharge openings, 4 baffles on 90 degrees spacing and are available in a variety of sizes with either a conical or flat bottom.

Applications:

Our complete line of pilot plant and small commercial size axial flow type propeller agitators may be used with slurries or dissolving reagents. Vertical turbine mixing and or pumping impellers are also

available for solvent extraction and other solution applications involving mixing or shear.

Specifications:

Available in the sizes indicated in the table below.

Agitator mechanism is a heavy duty shaft with self aligning locking type bearings, a gear reduced drive mechanism, with axial flow (propellers), vertical flow (turbine) or pumping impellers.

Draft tubes are available, optionally, for all agitation tanks.

Catalog Number	Tank Dim (D"xH")	Tank Vol (gal)
080C-060	12 X 15	7
080C-061	18 X 24	26
080C-062	24 X 27	52
080C-063	36 X 42	238
080C-064	48 X 54	423

SEPOR Propeller Type Agitation Tank

Prop Speed Fixed @ 400 RPM's
Front Tube Is Available As Option

SIZE	A *	B *	C *	D *	E *	F *	H *	K *	L *	HP
2'x2'	24	24	5	8	10	42	1	6	2	1.5
3'x3'	36	36	8	8	11	55	1.25	7	3	2.0
4'x4'	48	48	10	10	13	71	1.25	7	3	3.0
5'x5'	60	60	15	10	17	86	1.625	8	4	5.0
6'x6'	72	72	18	12	19	103	1.625	8	4	7.5
7'x7'	84	84	21	12	20	116	2.25	8	5	10
8'x8'	96	96	24	14	24	134	2.25	8	5	15
9'x9'	108	108	25	14	28	150	2.25	10	8	15
10'x10'	120	120	27	14	28	162	2.25	10	8	20

* - Dimensions in inches
HP - Motor Horsepower - Based Upon -65 Mesh, 2.7 SG Solids Slurry
@ 30% Solids

SPECIFICATIONS:

SIZES: As shown on drawing. Custom Sizes are available.

DUTY: All sizes are available with light, medium and heavy duty mechanisms.

REDUCERS: Simple, highly efficient running in oil gear reducers.

COUPLING: Out put shaft coupling with flexible or rigid coupling to motor.

PROPELLER: Wide range of axial flow or turbine type - mild steel, stainless steel or other alloys are available.

SHAFTS: Available materials as indicated above - attached to propeller by Acme thread set screws/keys, weldment, etc., to suit size and application.

DRIVE: Direct drive, 4:1 reducer to give propeller speed of 431 RPM's.

Drive Guards: OSHA type, solid.

MOTORS: Source is major manufacturers - Standard TERC motor. Explosion proof motors are optionally available. Electrical requirements are 3 phase, 230, 380 or 460 V, 50 or 60 Hz. Other electrically configured motors are available.

TANKS: Available in mild steel, stainless steel, elastomer lined, or FRP. Baffles and bottom wear plates are standard, flanged overflow and drain ports are standard, gasketed covers are optionally available, support legs are standard. Tanks are finished and painted with one coat of enamel.

OUTPUT SHAFT SEALS: Stuffing box type packed seals are available when settl propeller shafts are involved.

SPECIAL PAINT: Sandblasting and epoxy paints are available for mild steel tanks, superstructures and drive guards.

ASSEMBLY: All units are completely assembled and shipped as a unit (when possible).

