HALLIKAINEN Instruments
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JET-STIR IMPELLER

Model 1117

(Shell Development Co. Design)

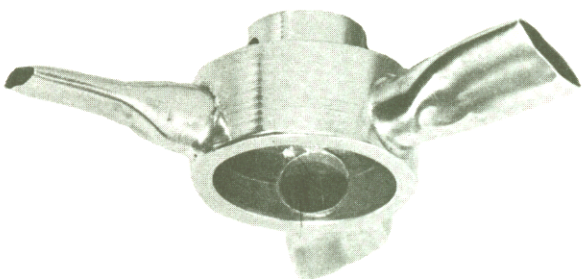
Patent No. 2,816,744

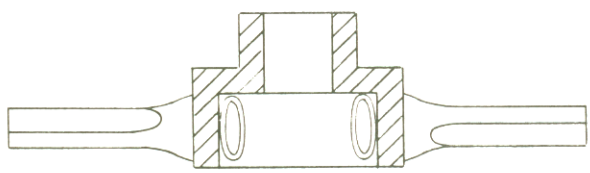
The problem of minimizing temperature gradients in baths has been solved with the Jet-Stir Impeller, a development of the Shell Development Co. Excellent stirring is essential in maintaining temperature changes at a minimum and in reducing the amount of time it takes for a heat change to be recorded.

The Jet-Stir Impeller combines centrifugal pump action with a pitched blade propeller. The result is greatly increased stirring efficiency. All the available horsepower in a stirring motor is now convertible to energetic random motion of the liquid being stirred. The blades are no longer than the less efficient propeller blades usually used. The blades and pump both lift upward and thus lessen the possibility of a vortex being formed and air drawn into the bath solution.

MATERIALS

Jet-Stir Impellers are manufactured of stainless steel as standard. Other materials can be supplied on special order.





SPECIFICATIONS

Size No.	Radius (inches)	Bore (inches)	Horsepower (Absorbed in Water) at 1750 RPM	Approx. Tank Size Height—1.5 x diam.
2/3	1 1/16	1/4	.008	7 gallons
5/6	1 5/16	5/16	.017	18 gallons
1	1 19/32	5/16	.059	28 gallons
1 1/6	1 27/32	7/16	.12	38 gallons
1 1/3	2 1/8	1/2	.32	45 gallons
1 2/3	2 21/32	5/8	.88	58 gallons
2	3 3/16	3/4	2.04	65 gallons