

Agitation Tanks & Paddle Mixers



Agitation tanks

Agitation tanks are used to provide a storage reservoir for mixed batches of grout from the high speed high shear mixer.

Three main functions:

- I) Releases any air bubbles trapped during the mixing process.
- II) The agitation of the specially shaped paddles keep the mix in suspension prior to pumping.
- III) The tank acts as a storage reservoir for mixed batches allowing a continuous supply to be maintained for the pump.

Powered by either air motors or electric motors, the units are of robust design. A grout inlet pipe to connect to the mixer discharge is provided and mixed grout is passed through a screening basket to filter any large objects which could damage pumping equipment. Agitation tanks are available in different capacities.

Paddle mixing tanks

Simple mechanical mixing of materials can be achieved in paddle mixing tanks. These are vertically mounted cylindrical tanks with a motor drive unit that rotates a vertical shaft to which the mixing paddles are fixed. In the Colcrete Paddle Mixer the paddles are pitched to improve material movement and specially shaped to minimise splash. There are also baffles fitted to the internal walls of the tank to create additional shear. As additional service we also offer you larger mixing tanks, available to special order, e.g. 1000 litres capacity and hand mixers of 90 litres. The picture illustrates a 90 litre mixer that can be used both manually and with a petrol engine.

MODEL	DESCRIPTION	BATCH CAPACITY LITRES	DRIVE OPTIONS	
			ELECTR kW	AIR M3/MIN
A6000	AGITATION TANK	6000	5.5	-
A3000	AGITATION TANK	3000	4	-
A2000	AGITATION TANK	2000	-	-
A1500	AGITATION TANK	1500	-	-
A1000	AGITATION TANK	1000	3	4
A800	AGITATION TANK	800	2.2	3
A600	AGITATION TANK	600	2.2	3
A300	AGITATION TANK	300	1.5	2
A200	AGITATION TANK	200	1.1	1.5
M1000	PADDLE MIXER	1000	5.5	5.5
M500	PADDLE MIXER	500	3	3
M300	PADDLE MIXER	300	2.2	2.2
M200	PADDLE MIXER	200	1.5	1.5
M90	PADDLE MIXER	90	(petrol)	(hand)



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