

SLURRY MIXING TANKS

HEAVY DUTY, BELT DRIVEN MODEL

SINCE THE CREATION OF SHELL-O-MATIC, WE HAVE BUILT NEARLY 1000 SLURRY TANKS SO WE KNOW THERE IS MUCH MORE TO IT THAN A SIMPLE ROTATING DRUM WITH A PADDLE.

First, we pay attention to providing our customer with rugged and reliable driving mechanisms to ensure their tanks never stop. Second, we know that slurry material is expensive and probably the most important and sensitive component of the shell building system, so we provide you with all available options to measure, control and maintain the slurry quality.



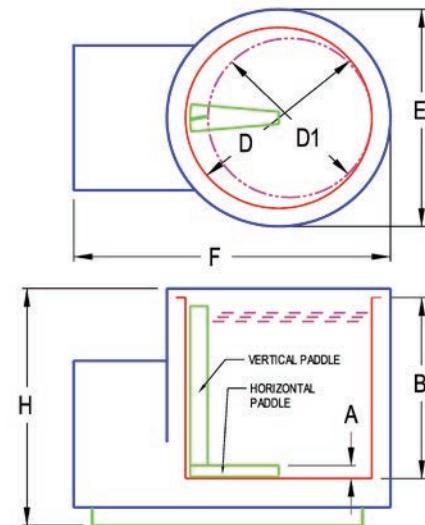
This includes:

- » Level sensing and control of the robot to maintain constant dipping depth
- » Rotating speed adjustment
- » Real time viscosity sensing
- » Temperature sensing and control through a water-cooled paddle
- » Automatic cover that opens only when parts need to be dipped
- » Vacuum slurry tanks if needed

To ensure ease of cleaning we can also provide a variety of plastic covers and liners, including one-piece plastic liners for the tank interior. Furthermore, all wetted parts of the tank are made of high-quality stainless steel.

We can also provide turntables that can hold many tanks and position the one needed for the robot area, thus allowing a smaller envelope robot to access a plurality of tanks. If you need to move the tank around, we can build it on an air cushion, making it easy for an operator to displace it.

**As per customer's request, special diameters and tank depths can be supplied



TANK SIZE D	D1	A	B	E	F	H	SLURRY VOLUME	
							LITER	US GAL
36" 915 mm	31" 785 mm	3" 75 mm	33.12" 840 mm	40" 1016 mm	58" 1475 mm	44" 1118 mm	540	142
41" 1040 mm	36" 915 mm	3" 75 mm	33.12" 840 mm	45" 1140 mm	63" 1600 mm	44" 1118 mm	700	185
43" 1090 mm	38" 965 mm	3" 75 mm	33.12" 840 mm	46" 1170 mm	63" 1600 mm	44" 1118 mm	772	204
48"-L 1220 mm	42" 1067 mm	3" 75 mm	33.6" 854 mm	51" 1295 mm	63" 1600 mm	44" 1118 mm	960	254
48"-H 1220 mm	42" 1067 mm	3" 75 mm	37.4" 950 mm	51" 1295 mm	75" 1905 mm	44" 1118 mm	1070	281
54"-L 1370 mm	48" 1220 mm	3" 75 mm	31.5" 800 mm	57" 1448 mm	78" 1980 mm	44" 1118 mm	1111	293
54"-H 1370 mm	48" 1220 mm	3" 75 mm	36" 915 mm	57" 1448 mm	78" 1980 mm	49.2" 1250 mm	1295	342
60"-L 1525 mm	54" 1370 mm	3" 75 mm	31.5" 800 mm	63" 1600 mm	81" 2060 mm	44" 1118 mm	1370	361
60"-H 1525 mm	54" 1370 mm	3" 75 mm	40.2" 1021 mm	63" 1600 mm	81" 2060 mm	49.2" 1250 mm	1597	422
62"-L 1575 mm	56" 1425 mm	3" 75 mm	34" 865 mm	66" 1675 mm	98" 2475 mm	46" 1175 mm	1529	402
62"-H 1575 mm	56" 1425 mm	3" 75 mm	47" 1195 mm	66" 1675 mm	98" 2475 mm	59" 1500 mm	2172	572
67" 1700 mm	60" 1525 mm	3.5" 90 mm	42.5" 1080 mm	71" 1803 mm	102" 2590 mm	59.25" 1504 mm	2160	568
72" 1830 mm	64" 1625 mm	7" 180 mm	52" 1320 mm	80" 2030 mm	109" 2770 mm	74.5" 1890 mm	3274	862
75"-L 1905 mm	66.5" 1670 mm	4" 100 mm	48.5" 1232 mm	81" 2057 mm	105" 2667 mm	54.75" 1390 mm	2700	710
75"-H 1905 mm	66.5" 1670 mm	4" 100 mm	60" 1525 mm	81" 2057 mm	105" 2667 mm	71.8" 1825 mm	3700	975
88" 2235 mm			**	95" 2415 mm	125" 3175 mm			
100" 2540 mm			**	106" 2695 mm	138" 3505 mm			