

URS





# URS - SAND RECOVERY UNIT WITH HYDROCYCLONE



The Sand Recovery Unit has the function to receive the mixture of sand and water (dirty water) and return washed dry sand. The sand and dirty water are collected in a tank and injected, by means of a pump, to a cyclone where the sand is cleaned by friction produced in the

contact with the inner surfaces and separated from the water thanks to the centrifugal force. The sand is conveyed to a screen for a further drying treatment. The water coming out from the cyclone must be fed to a water treatment.

Model	Sand output		Wastewater flow		Pump (kw)	Cyclone diameter n x Ø (mm)	Screen dimensions (mm)	Power (kw)
	t/h	m <sup>3</sup> /h	l/min	m <sup>3</sup> /h				
URS-40/3000	40	25	3000	180	M 6-4_M	1 x 500	900 x 1800	22+(2x1,8)
URS-65/3000	65	40	3000	180	M 6-4_M	1 x 650	1200 x 2700	22+(2x2,2)
URS-65/4000	65	40	4000	240	M 6-4_M	1 x 650	1200 x 2700	30+(2x2,2)
URS-90/4000*	90	55	4000	240	M 6-4_M	1 x 650	1500 x 2700	30+(2x3,2)
URS-40/6000	40	25	6000	360	M 6-4_M	1 x 650	1200 x 1800	45+(2x2,2)
URS-65/6000	65	40	6000	360	M 6-4_M	1 x 650	1200 x 2700	45+(2x2,2)
URS-90/6000	90	55	6000	360	M 6-4_M	1 x 800	1500 x 2700	45+(2x3,2)
URS-65/8000	65	40	8000	480	M 8-6_M	1 x 800	1200 x 2700	55+(2x2,2)
URS-90/8000	90	55	8000	480	M 8-6_M	2 x 650	1500 x 2700	55+(2x3,2)
URS-120/8000	120	75	8000	480	M 8-6_M	2 x 650	1800 x 3000	55+(2x6,0)
URS-150/8000	150	90	8000	480	M 8-6_M	1 x 800	1800 x 3000	75+(2x6,0)
URS-180/8000	180	110	8000	480	M 8-6_M	2 x 800	1800 x 3000	75+(2x7,5)
URS-220/10000	220	140	10000	600	M 8-6_M	2 x 800	1800 x 4000	90+(2x7,5)
URS-180/14000*	180	110	14000	840	M 10-8_M	2 x 800	1800 x 3000	90+(2x7,5)
URS-250/14000*	250	160	14000	840	M 10-8_M	2 x 800	1800 x 4000	110+(2x7,5)
URS-350/16000*	350	220	16000	960	M 12-10-M	2X1000	2100 X 4500	132+(2x10,6)

\*These models can be carried-out with double cyclone for a better cleaning of the material (see picture)

## APPLICATIONS



Aggregates



Recycling



Industrial sands



Water treatment