

AMU Single – 2500 – 100



Abrasive Mixing Unit

Maximum working pressure	2400 bar (34800 PSI)
Pressure vessel	100 l volume / 200 kg abrasive
High pressure valves	pneumatic
Weight	5000 kg empty
Size (L x W x H)	4225 mm x 4225 mm x 5000 mm
Size (L x W x H) for transport	1060 mm x 1060 mm x 5000 mm

Refilling Unit

Hopper capacity	300 l volume / 500 kg abrasive
Configuration	pneumatic
Weight	500 kg empty
Size (L x W x H)	1200 mm x 1200 mm x 1500 mm

Operation Parameter

Nozzle size		1.0 mm	1.3 mm
Pressure		2400 bar (34800 PSI)	2400 bar (34800 PSI)
Water flow		29.4 l/min	50 l/min
Hydraulic power at the nozzle		118 kW	200 kW
Abrasive		Garnet 0.15 – 0.30	Garnet 0.15 – 0.30
Abrasive concentration		10 mass%	10 mass%
Cutting time with one filling		70 min	40 min
Cutting performance (in air)	10 mm steel	660 mm/min	858 mm/min
	50 mm steel	120 mm/min	156 mm/min
	100 mm steel	54 mm/min	70 mm/min
	150 mm steel	32 mm/min	41 mm/min
	200 mm steel	21 mm/min	28 mm/min
	250 mm steel	14 mm/min	19 mm/min
	300 mm steel	9 mm/min	12 mm/min

Connections

High pressure water inlet	Sitec M26 x 1.5 , 9/16"-18 UNF LH
Suspension outlet	Sitec M26 x 1.5 , 9/16"-18 UNF LH
Electric power	-----
Pneumatic	DN 8, max. 8 bar
Clear water	½", max. 6 bar