

AMU 2500-40^{MK2}



The AMU 2500-40 MK2 is an abrasive mixing unit and part of a water jet cutting system for safe and efficient cutting using the water abrasive suspension (WAS) technique. It is particularly suitable for mobile applications.

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CE 2006/42/EC

Ex 2014/34/EU: II 3G IIA T3 (Optional)

GENERAL INFORMATION

Maximum pressure	2,400 bar (34,800 PSI)
Pressure vessel	
Volume	40 l (11 US gallon)
Abrasive capacity	75 kg (165 lb)
Operation pressure valves	pneumatic
Weight	2,300 kg (5,070 lb) empty
Size (L x W x H)	1,400 mm x 900 mm x 2200 mm (55 x 35 x 87 in)
Hopper capacity	40 l (11 US gal) / 75 kg (165 lb)

CONNECTIONS

HP water inlet	M26 x 1.5, 9/16"-18 UNF LH
HP suspension outlet	M26 x 1.5, 9/16"-18 UNF LH
Electric power	---
Pneumatic supply	DN8, min 8 bar, 116 PSI, min 300l/min (11 CFM)
Fresh water supply	1/2", min 6 bar, 87 PSI, 50 l/min (13 USGal/min)

OPERATION PARAMETER

Nozzle size	1.0 mm (0.04 in)	0.8 mm (0.03 in)	0.6 mm (0.02 in)
Maximum working pressure	2,400 bar (34,800 PSI)	2,400 bar (34,800 PSI)	2,400 bar (34,800 PSI)
Water flow	29.4 l (7.8 US gal)/min	18.8 l (5 US gal)/min	10.6 l (2.8 US gal)/min
Hydraulic power at the nozzle	118 kW	75.2 kW	42.3 kW
Abrasive	HPX 80	HPX 80	HPX 80
Abrasive concentration	10 % (mass)	10 % (mass)	10 % (mass)
Cutting time with one filling abrasive	25 min	40 min	71 min



CUTTING PERFORMANCE

- + mobile application
- + precise cutting device

In air for mild steel S355			
	1.0 mm nozzle	0.8 mm nozzle	0.6 mm nozzle
2 in	182 mm (7 in)/min	146 mm (5.7) in/min	109 mm (4.3 in)/min
6 in	40mm (1.6 in)/min	31 mm (1.2 in)/min	23 mm (1 in)/min
12 in	9mm (0.4 in)/min	7 mm (0.3 in)/min	5 mm (0.2 in)/min



AMU > 700 bar