

## AMU 700-20

### Abrasive Mixing Unit



The AMU 700-20 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.



**More information**

### GENERAL INFORMATION

Maximum working pressure	700 bar (10,000 psi)
Pressure vessel	Stainless steel, volume: 20 l (5.28 US gallons) gross, capacity: 30 kg (66.14 lbs) abrasive
Control	manual
Weight	164 kg (361 lbs) empty
Size (L x W x H)	710 mm x 490 mm x 1,100 mm (28 in x 19.3 in x 43.3 in) (without hopper)
Safety devices	Rupture disc assembly

### CONNECTIONS

Water inlet	Quick release coupling
Suspension outlet	Quick release coupling

### CUTTING PERFORMANCE

in air for mild steel S355 in mobile application with precise cutting device	
Nozzle size	0.6 mm (0.02 in)
Cutting speed at t* = 10 mm	115 mm/min (4.53 ipm)
Cutting speed at t = 25 mm	45 mm/min (1.77 ipm)
Cutting speed at t = 50 mm	20 mm/min (0.79 ipm)

\*t describes the thickness of the material

### OPERATION PARAMETER

Nozzle size	0.6 mm (0.02 in)
Maximum working pressure	700 bar (10,000 psi)
Water flow	max. 6 l/min (max. 1.58 US gallons/min)
Hydraulic power at the nozzle	7 kW
Abrasive	Garnet 80 Mesh
Abrasive concentration	approx. 12 % (mass)
Cutting time per filling	approx. 45 min