

# ConSus

## Continuous Suspension

The abrasive mixing unit **ConSus®** enables a continuous cutting process with the Water Abrasive Suspension (WAS) system and thus achieves a higher performance at lower pressure than the conventional Water Abrasive Injection (WAIS) system.

### Working Parameters and Dimensions

Working pressure	1.500 bar (Range: 500 - 1.500 bar)
Nozzle size	0,55 - 0,7 mm
Water flow	5 - 10 l/min
Ø hydraulic power at nozzle	21 kW
Ø power consumption	1 kW
Abrasive	Garnet Mesh 80
Abrasive concentration	Basic setting 800 g/min (adjustable from 300 to 1.000 g/min)
Hopper	Integrated
Pressure vessel	2,4 l / 2,5 kg abrasive
High pressure valves	Pneumatic and servo electric
Weight	715 kg empty

### Control Unit and Connections

Control Unit	Siemens S7
User Interface	Touchpanel
HP water inlet	M20 x 1.5, 3/8"-24 UNF LH
HP suspension outlet	M20 x 1.5, 3/8"-24 UNF LH
Abrasive supply	Anti-static low pressure hose Ø 15 mm inside
Clear water / waste water	LP hose, Ø 11 mm inside
Communication with HP pump & cutting table	Network cable, 3x M12 5 pole socket
Air supply	6 bar oilfree
Electric supply	400 V / 16 A CEE socket



**More information!**

