

# WESUBSEA DREDGER SUMMARY

## WeSubsea Dredger Capability

	3"	4"	4" HC	6"	8"	8" HC	10"	10" HC
<b>Max flow rate through ejector</b>	118 m <sup>3</sup> /h 1970 Lpm -  140 m <sup>3</sup> /h 2300 Lpm	162 m <sup>3</sup> /h 2700 Lpm -  205 m <sup>3</sup> /h 3400 Lpm	292 m <sup>3</sup> /h 4867 Lpm	450 m <sup>3</sup> /h 7500 Lpm -  500 m <sup>3</sup> /h 8300 Lpm	708 m <sup>3</sup> /h 11800 Lpm	1002 m <sup>3</sup> /h 16700 Lpm	785 m <sup>3</sup> /h 13500 Lpm	1223 m <sup>3</sup> /h 20383 Lpm
<b>Max rock size (theoretical)</b>	65 mm	90 mm	90 mm	140 mm	185 mm	185 mm	230 mm	230 mm
<b>Removal capacity *</b>	18 m <sup>3</sup> /h 28 t/h	26 m <sup>3</sup> /h 41 t/h	38 m <sup>3</sup> /h 61 t/h	45 m <sup>3</sup> /h 70 t/h	70 m <sup>3</sup> /h 110 t/h	84 m <sup>3</sup> /h 130 t/h	90 m <sup>3</sup> /h 110 t/h	108 m <sup>3</sup> /h 168 t/h
<b>Hydraulic requirement</b>	15-22 Lpm @ 140-200bar	18-23 Lpm @ 140-200bar	30-50 Lpm @ 170-200bar	50-60 Lpm @ 200bar	70 Lpm @ 200bar	150 Lpm @ 200bar	70 Lpm @ 200bar	150 Lpm @ 200bar
<b>Approx. weight in air / water</b>	24 kg / 18 kg	38 kg / 30 kg	41 kg / 32 kg	75 kg / 63 kg	95 kg / 75 kg	95 kg / 75 kg	95 kg / 75 kg	95 kg / 75 kg
<b>Optimum application</b>	sand, gravel	sand, gravel	sand, clay, gravel **	sand, clay to 100kPa, drill cuttings rock dump, internal pile dredging **	general purpose & rock dump	clay, general purpose & rock dump	general purpose & rock dump	general purpose & rock dump
<b>ROV or diver configuration</b>								

\* dependent on operational handling and type of sediment; removal based on 10% solids

\*\* backflush standard on 4" HC; optional on 6"

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