



SP12000

Mass flow excavation tool



Deployed over a vessel side and operated remotely from its deck, the JFSE SP12000 works by producing a controllable column of water, the pressure of which effectively excavates the seabed.

The SP12000 is the most powerful MFE tool available on the market, making it ideal for large scale excavating and large diameter pipeline trenching. It is fully controllable and is also capable of smaller scale precision excavating.

The SP12000 is deployed using a crane or A-Frame and is powered via high pressure hoses. Clump weights or tugger wires are used to orientate and stabilise the tool whilst it is operational.

Applications

- Pipeline and cable trenching
- Decommissioning & salvage
- Deburial for IRM works
- Rock dump dispersal
- Drill cuttings dispersal
- Free span rectifications
- Seabed clearance and preparation

Soils

- Sand and gravel
- Rock dump
- Silt and mud
- Clays up to 200+kPa shear strength
- Drill cuttings

Technical specification

SP12000

Metric

Max flow volume	11,500 l/s
Max flow velocity	10 m/s
Water depths	4m - 300m



Weights and dimensions

	Length (m)	Width (m)	Height (m)	Weight (kg)
SP12000 excavator	2.4	2.4	3.3	8,000
Spares container	6.3	2.4	2.6	8,000
Hydraulic hose reel	3.0	2.4	2.6	11,000
Hydraulic power unit	6.3	2.4	2.6	14,500