

PROPULSE™ JETTING NOZZLE

APPLICATION

- Tubular jetting operations
- Fishing neck clean outs
- Sand screen cleaning
- Debris circulation
- Correct placement of treatment chemicals

FEATURES

- Short robust construction
- No moving parts
- Dynamic flow jet
- Low maintenance design

ADDITIONAL INFORMATION

- Common sizes are shown, other sizes available on request.
- Tools are manufactured from mild steel as standard. Other materials are available on request.
- Bespoke designs available to suit job specific applications.

The WellEnTech ProPulse™ Jetting Nozzle creates pulsating pressure waves. These pressure waves remove debris build up and scale within tubulars, break up near wellbore damage as well as restore and enhance the permeability of the perforations and surrounding wellbore area. The internal chamber has been designed using computational fluid dynamics and has no moving parts. The short robust construction makes it ideal for jetting operations where BHA lengths are limited.

TECHNICAL SPECIFICATION

OD (Inches)	Length (Inches)	Connection	Tensile Strength (lbs)	Service	Part No.
1.688	4.75	1"AMMT Box	62,400	Std.	135-1688-A002
			45,400	H2S	135-1688-A001
2.125	6.00	1-1/2"AMMT Box	116,500	Std.	135-2125-A002
			84,700	H2S	135-2125-A001
2.875	8.50	2-3/8" PAC Box	218,500	Std.	135-2875-A002
			158,900	H2S	135-2875-A001

OPERATION

The ProPulse™ Jetting Nozzle is fitted to the bottom of a BHA like any other regular jetting nozzle. It is made up to the tool sting with the correct amount of applied torque, as per the threaded connection on the tool. Pumping fluid through the tool will produce a fluid jet with pulsating pressure waves. The Pulsating Jetting Nozzle is ideal for all operations since the kinetic energy of the pressure pulse travels through the wellbore fluid with negligible energy loss improving the fluid jet force. It is only after the pressure waves contact the formation that this energy is dissipated.

Force of the outflow, measured at the target

