

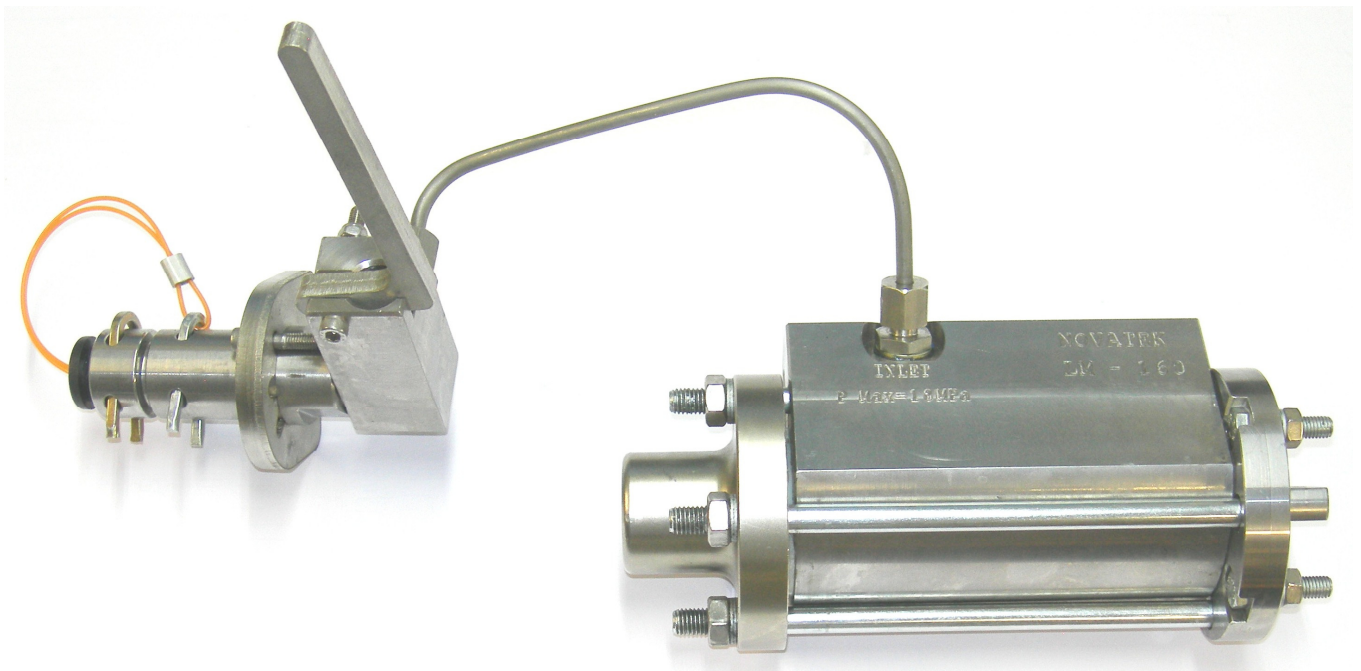
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# HYDROPOWER LINEAR MOTOR

*FOR APPLICATIONS REQUIRING A LINEAR RECIPROCATING  
MOTION WITH SLOW-SPEED CONTROL AND HIGH FORCE  
OUTPUT*

*EG. PUMPING OF EMULSION EXPLOSIVES & GROUT*

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## APPLICATION

The Novatek hydropowered linear motor is a reciprocating motor, single or double-acting that has a high force output and is capable of slow speed operation. This makes it ideal for applications requiring fine control, such as a driver for emulsion explosive pumps.

It has the following features:

- Simple on/off valve is required; various types may be used.
- The motor automatically cycles until the valve is released.
- The output piston reciprocates at the rate of about 1 Hz or less (depending on stroke length). This speed can be controlled via orificing.
- Force, stroke and speed can be changed within the design parameters.

The Novatek linear motor is used on hydropowered emulsion explosive loaders.

Applications include:

- Pumping of emulsion explosives into blastholes.
- Pumping of grout into support holes.

## SPECIFICATIONS

Working flowrate (l/s)	Typ 0.1 to 0.3
Normal working pressure (MPa)	13 to 16
Max working pressure (MPa)	18
Inlet fitting	NW 13 F staple-lock
Stroke length (mm)	Standard 50, other lengths on enquiry
Mass (kg)	11 for motor only
Dimensions	Standard 250 x 100 x 125 Dimensions are dependent on required stroke length and output force
Materials	Stainless steel, polymer seals, o rings

Note that specifications are subject to change without notice. Products are subject to patent protection.