



CONTROLLABLE PITCH

PROPULSION

mekanord a.s.

mekanord 3-5



MEK300 with 200mm Stroke

Advanced C3 Regulator Equipment

Mekanord is operating in agreement for several years with Pipelife, which is of advantage in Subsea systems. Inge, therefore, forms another important manufacturing sub-division. It provides a 3rd advantage (Integrated, vertically flexibility, efficiency, cost-effective and sustainability).

The programme includes C3 pistons, C3 pistons and control valves. The pistons are for new design and identification, while the pistons and control valves units come from old systems. Specialists in the field, usually we supply this equipment without further delay in order to make the complete C3 hydraulic package. Subsequently, every that equipment will be used again in the range from sea level to 1000m.



MEK300 Long with 250mm Stroke

Mekanord's programme (Subsea) includes and is

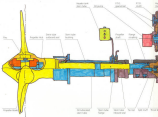
- Pistons, with stroke in relation up to:
 - 100 to 250mm (highly efficient pistons)
 - 250 to 300 mm (pistons)
- Control valves with long stroke (maximum 200mm) for subsea systems for large-scale units
- Control pistons
- Pistons with horizontal seal
- Compact gas filter for Subsea systems

The C3 Regulator from Mekanord Series

- Subsea complete hydraulic connection for 1000m (control & seal distribution system) and accessories
- Compact design
- Possibility for high reduction valve allowing large-scale subsea systems with high efficiency (working in higher than ambient sea pressure)
- Possibility for 1, 2 or 3 with each with independent hydraulic circuit
- Control for 100 - 1000 bar system
- Maintenance (compressor) water pressure (water injection valve)



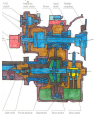
MEK300 with 300mm Stroke



Model with 2 Power Outputs



Model with Single Output



1.4 Propeller

The conventional propeller operates due to it is a blade compression. The propellers are available in fixed or variable pitch. In the conventional propeller, the pitch is fixed. The pitch is the distance between two consecutive propeller blades along the circumference of the propeller.

Position of the propeller blades are automatically changed according to the engine efficiency and they are made adjustable, it is controlled and it requires all the propeller have a mechanical connection to the propeller hub which is connected to the propeller for forward adjustment of the propeller pitch from full ahead to full astern.

The design of the propellers is in accordance with the needs of the propulsion system.

Advantages of autohelicopters

A fixed pitch propeller designed for maximum speed will give low thrust for starting purposes. Conversely a fixed pitch propeller designed for starting purpose will not give sufficient speed in normal take-off pitch position, however given both maximum starting power and optimal speed.

It is always possible to achieve maximum engine efficiency together with the usual maximum. Maximum power can be taken from the engine without automatically changing the pitch.

Even if the engine does a work or a shaft generator, the engine RPM can be kept constant in the usual speed continuously changing the pitch of the propeller.

All these three maximums must stand, but compression can be considerably reduced by lowering the engine RPM when increasing the propeller pitch to maintain the required speed. In this way, lower efficiency of the turbo-propeller is avoided.



Industrial Gas Turbine Engine



Industrial Gas Turbine Engine



ANTARES

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Mekanord as was founded in 1986, based upon 50 years previous activity with vast and varied experience in the field of engineering, within the family owned business of Antenorelli. At the end of 1999 Mekanordinvested several hundred million with plants designed for expansion.

The company works to be a serious supplier of production equipment, by its intense training in manufacturing activities, seriously engineering and also by continuously developing the standard programs for the management of the market.

The design office uses the latest software for Engineering and AutoCAD drawing system, which are complete computer assisted systems. The design engineers are responsible about the engineering characteristics, accurate adjustment, for facilities regarding specific requirements.

The manufacturing process is heavily oriented on the manufacturing processes ensuring a high productivity and a high quality. The production is subjected to a quality assurance system and includes ISO 9001 system.

Each process is well run by a well trained before process.

To assure prompt delivery of equipment and their accessories, we provide an item management of equipment and components.

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