

Wind Power

There is a noticeable boom in the use of renewable energy, in particular wind power.

Wind turbines can be used to generate electricity in all climate zones, off-shore and on-shore (coast, inland, mountains).

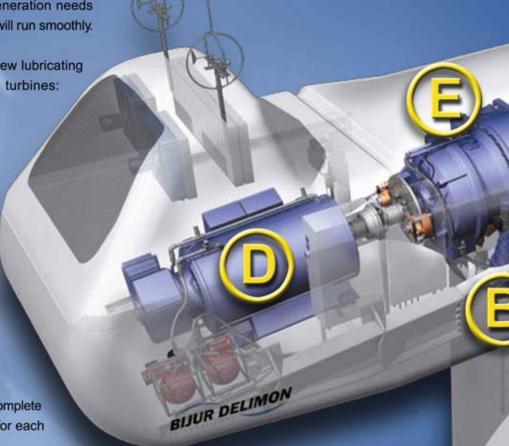
However, this kind of the power generation needs the right lubrication to ensure that it will run smoothly.

We have developed a completely new lubricating pump specifically for use in wind turbines:

DYNAMIS

- works in rotating systems
- provides "overhead" delivery of lubricant
- can be used with a variety of different lubrication systems
- allows for differing lubricant requirements and
- varying number of lubrication points possible

Along with other BIJUR DELIMON products it allows the production of complete wind power systems – customised for each application. Please turn the page...





Dynamis





gear lubrication pinion

Autolub 8 liter





Distributor spray nozzle





Operation pressure

Temperature range

Metering volume

Number of outlets

electrical monitoring

Lubricant

Description

Function

Progressive

160 / 300 bar

-20 to +80°C

0.17 cm³

Grease: up to NLGI class 3

Oil: ISO VG 68 - 1500 (at +20°C)

The PVB-type distributors in buildingblock design are used in small-size progressive lubrication systems representing a cost-saving and effective solution for the central supply of lubricating points with relatively low pressure and small metered quantitie

- reasonably-priced and robust
 electronic monitoring possible
 for grease, liquid grease and oil

The PVB progressive distributors deliver the fed lubricant continuously in metered the red lubricant continuously in metered quantities from the lubricating-point connections until the lubricant flow is interrupted. The hydraulic forced control makes it easy to monitor the entire lubrication system. The distributor outlets can be combined in vertical and horizontal direction to realize different output quantitie



CXL

Single line

250 bar

-25 up to +175°C

0.05 to 0.4 cm³

Grease: NLGI class 000 to 2

The CXL distributor is fitted into highcharacterized by simple assembly and maintenance. The metering quantities are variable and adjustable.

The lubricant supplied to the CXL distributor is delivered in metered quantities to the lubricating points. By means of an integrated spring the metering piston is returned to its starting position and starting position relieving phase. The metered and stored quantity of lubricant is fed to the delivery chamber and the distributor is ready for the



Spray nozzle SDU

Air consumption: nozzle- and pressure-dependent

up to NLGI class 3

Oil: up to 200,000 mm³/S at +20°C

200 W, 230 V AC Heating:

Thermostate: +70 ± 5°C

Protection class: IP 65 Sealing:

The spray nozzle is suitable for spraying lubricants onto sliding surfaces and tooth flanks and for spraying release agents.

- Heating
 Media: grease and oil

The spray nozzle is a mixing block in which grease or oil are blown out through a nozzle by means of compressed air. Lubricant and compressed-air are fed through 10-mm-diameter tubes. A non-return valve with an opening pressure of 1 bar serves as an inlet. For monitoring purposes the hole for with a pin which activates the monitoring switch. The heated nozzle has a thermodynamic heating mounted on the side of the housing.

Accessories



Gear lubrication pinion

Description:

The mechanical lubrication pinion serves to transfer lubricant to open gear rims. The driving force comes from the drive pinion to be lubricated. Metering boreholes arranged at different levels assure an even film of lubricant on the tooth flanks. The lubrication pinion is easy to install and handle and is distinguished by low maintenance requirements. It can be integrated into almost every lubrication system and with its different widths and modules it can be adapted to the different applications.

Function:

The lubricant is supplied centrally through the axis mounted in the middle. The lubricant is fed through internal boreholes on different levels to the tooth flanks. The lubrication pinion is designed so that only the tooth on the driving pinion that is in use at that point in time is lubricated.



Oil aggregat

Description:

The oil circulation lubrication serves to lubricate, cool and carry away dirt from bearings and gears. The aggregates are available with different tank sizes, cooling or heating capacities and delivery volumes. The units can be equipped with a large number of control and monitoring components. We offer both standard and customized solutions.

Function:

The oil circulation units are usually equipped with gear pumps, which supply the prepared oil to the lubrication points either directly or through the progressive distributors. They are operated by means of their own electrical control or the customer's own control. The lubricant returned from the bearings or gears is prepared in the unit, heated or cooled and fed into the oil circuit again.



Special for one for all

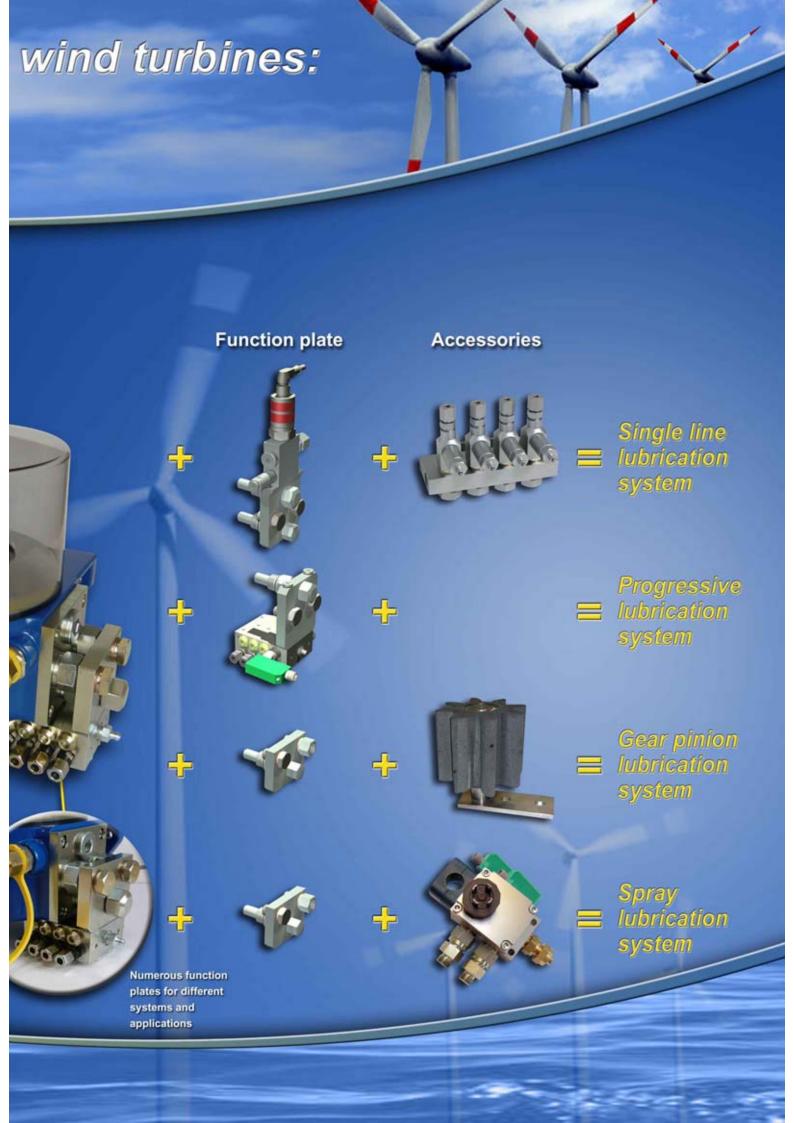


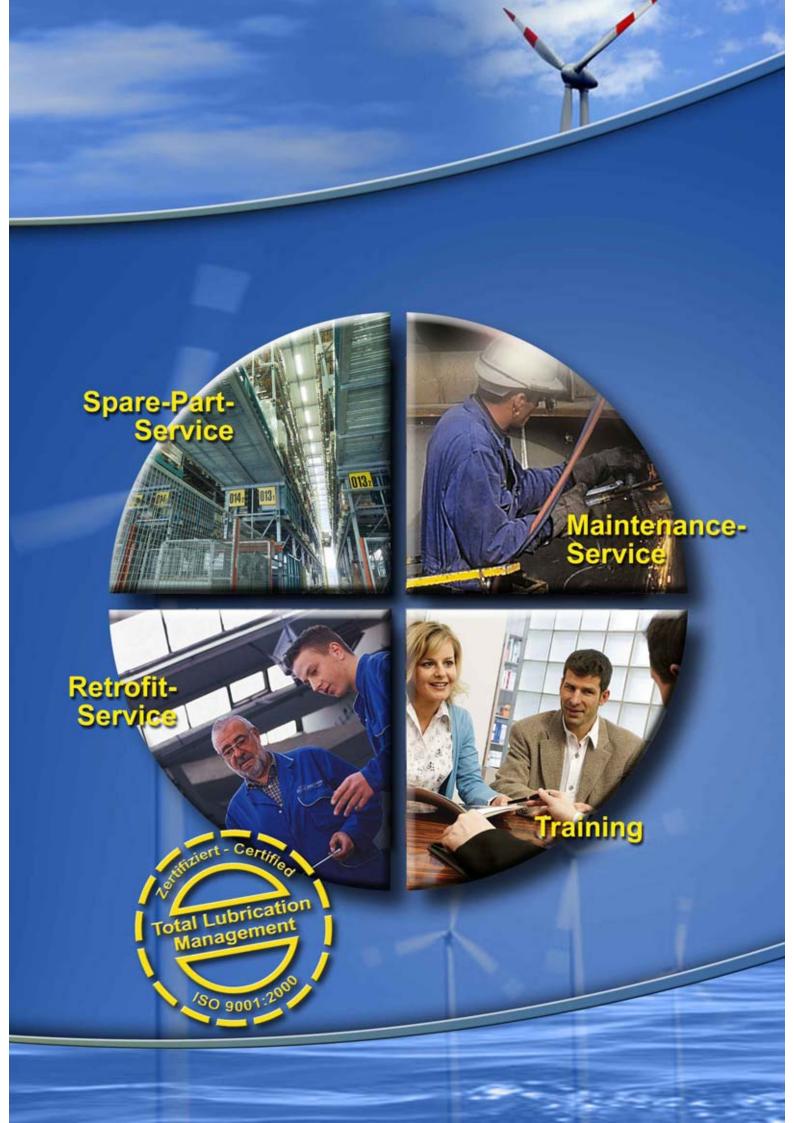
Electrical control

Description:

Our control offers a comfortable solution for various lubrication systems. The components in the control are adapted to the respective application by means of various combinations. The complete control is permanently mounted in a steel cabinet. It is operated easily from outside by using the operating unit integrated in the door. The settings and parameters can be read in the text display.









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