

we know how

 **BB HYDRAULIK
SERVICE A/s**

- a company in the AVN Group




AVN HYDRAULIK



AVN Hydraulik

AVN Hydraulik was founded in 1978 and is today a strong team of 35 highly skilled employees. AVN Hydraulik is a member of the AVN Group.

The headquarter at 2.000 sqm, is located in Broendby, Denmark, comprise our warehouse, sales department, design, production and service divisions. We offer hydraulic service and repairs with our 11 service cars. We have 3 workshops in Denmark, located in Broendby, Odense and Silkeborg.

We specialize in development, design and production of customized hydraulic solutions and related electronic controls. We manufacture approximately 1,000 individual systems per year.

We keep hydraulic components in stock from some of the world's leading suppliers.

Our service engineers perform assembly, service, mandatory inspections, repairs, installations, 24-hour service and standard maintenance.



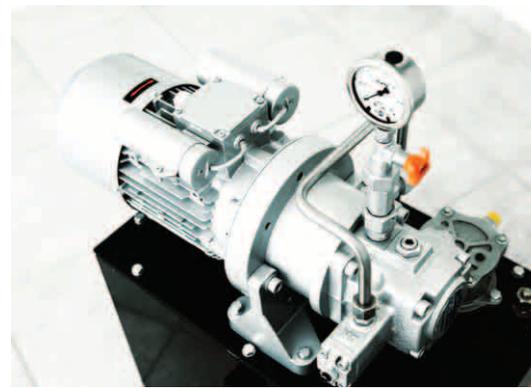
BB Hydraulik Service

BB Hydraulik Service was taken over by AVN Hydraulik in January 2015 – and is now part of the AVN Group.

BB Hydraulik Service was established in 1997 and is located in Odense on the island of Funen in Denmark.

BB Hydraulik Service has vast experience and expertise in the same business areas as AVN Hydraulik, but also a lot of experience in hydraulics for construction machinery and the manufacture and repairs of cylinders in their workshop.

BB Hydraulik Service is also a Bosch Rexroth Service Centre.



Performance with pressure

Our highly qualified employees are always ready to answer your call whether you require advices, guidance or solution-oriented offers. If solving your task requires face-to-face meetings with you and our experts it is possible.

We work based on the principle "The customer in focus". Our key words are:

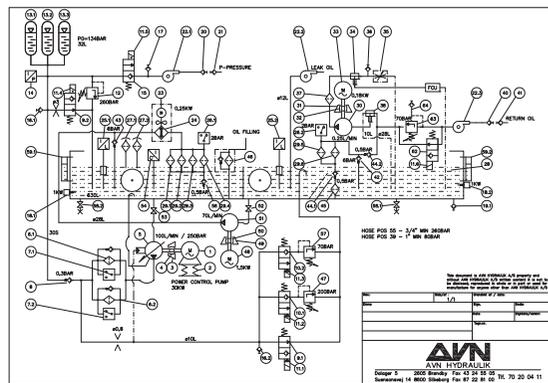
Credibility

Know-How

Cooperation

Total Concept





Engineering

At AVN Hydraulik, we would like to participate from the initial steps of a project to ensure that our many years of experience and know-how result in a technically and economically sound solution. We tailor-make total solutions that are carefully adapted to the individual customer's needs.

We are able to develop and design the systems in 3D before building to be certain that we fulfil the customer's requirements and expectations.

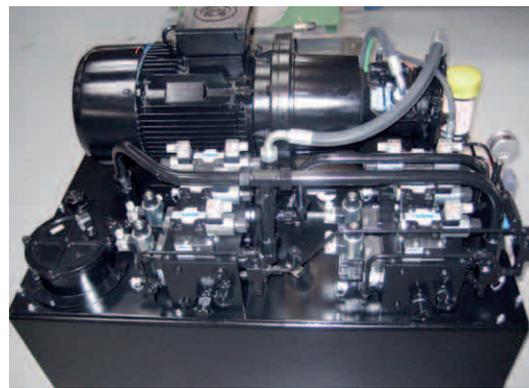
A total solution from AVN includes the hydraulic system, cylinder and electronic controls, installation and start-up, which means that you only have to go to one place, making it easier and more secure for you as a customer.

The AVN logo is rendered in a bold, red, sans-serif font. The letter 'A' is a large, solid triangle. The letters 'V' and 'N' are tall, narrow, and blocky. The logo is positioned in the upper right quadrant of the image, partially overlapping the blurred office background.

AVN

AVN HYDRAULIK





Systems

We develop, construct and build hydraulic systems of all sizes, from the smallest power pack at 0.5 litres/minute with a 1 litre tank to 1,000 litres/minute with a 10,000 litre tank. No project is too big or too small. We specialize in customized special solutions, with particular focus on hydraulics, lubrication, cooling and filtration for applications in industrial, offshore, wind and marine.

We develop systems with all types of pumps and valves, including proportional and servo technology. We are independent of all component manufacturers, which means that we can always choose the most optimal component for the job.

Since we construct and build everything in-house, we are very flexible and can quickly implement changes to meet the customer's wishes.





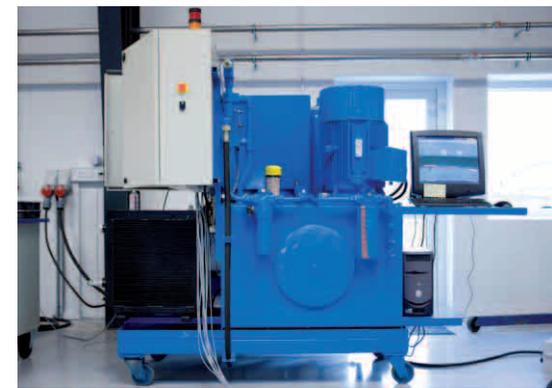
Production

The production facilities in Broendby are located in a nearly 1,200 sqm, 6 metre tall, pillar-free hall, and we have our own welding workshop equipped with all the necessary machines and welding equipment.

These excellent facilities enable us to offer customers the assembling of hydraulic and electronic systems on their own machines, or to make a test model for testing prototypes, if desired.

Our experienced hydraulic technicians take great pride in developing the most attractive and best possible solution for the customer. Our engineers are in very close collaboration with the hydraulic technicians to ensure quick response to any issues in connection with the construction of the individual hydraulic system.





Electronic controls

We cooperate with leading manufacturers of electronic controls, who deliver several different brands of PLC, as well as control panels and touch screens to meet the customer's needs and wishes.

All electronic controls are labelled and documented in accordance with applicable legislation.

It is a major advantage for our customers that we also offer the electronic controls – both in connection with troubleshooting as well as development and implementation of new hydraulic systems.



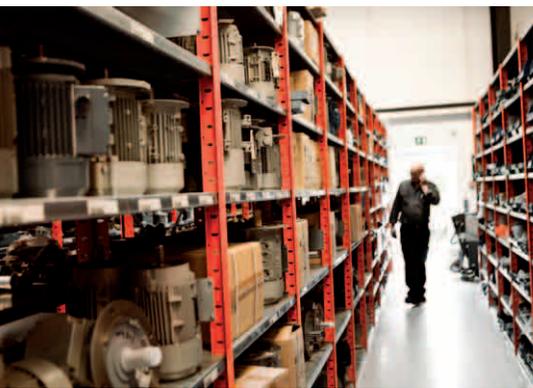
Testing and documentation

In our fully equipped testing facilities, we can test pressure, flow, electricity consumption, functionality and noise, and perform electronic storage of data with calibrated measuring instruments.

All power packs are carefully tested and documented in a test report that comes with the unit. A documentation folder is included in the delivery of the power pack, including diagram, part list and data sheet for the components in the power pack.

The documentation and images are also stored at AVN for many years, so that we can provide the best possible assistance to customers at a later date.

Since 2003 we have been quality certified by DNV and Force Certification in accordance with DS/EN ISO 9001:2008 (2015). We also meet the requirements for ISO 14001:2001 and OHSAS 18001:2008



Hydraulic components

We have a large range of hydraulic components in stock from some of the world's leading manufacturers – primarily from Sweden, Germany and Italy.

Our range includes pumps, motors, valves, filters, accumulators, tanks, electrical motors, cooling systems, manometers, mini power packs and cylinders. We offer standard welded cylinders, tie rod cylinders and compact cylinders. We also have a great experience in custom designed special cylinders.

We also have a wide range of connecting components, including pipes, hoses and fittings, in both standard galvanised and stainless steel. Customers are always welcome to pick up hydraulic hoses, which can be produced in a few minutes.





Service and assembly

The operational reliability and lifetime of components is important to most hydraulic users – therefore, we offer a service agreement tailored to your system. A service agreement means that we make periodic visits to change filters, inspect and perform maintenance on your hydraulic system. We assess on site whether the oil needs to be replaced or filtered offline. If required we can also perform oil analyses.

A good solution for larger systems might also be to install a permanent offline filter system. In most cases, such a system will pay for itself in saved oil and components, which gain a longer lifetime with clean oil.

In connection with new installations, we have extensive experience in performing hose and pipe assembly on site. If desired we can also assemble on site internationally.

We have our own flush system for flushing hydraulic pipe systems after repair, rebuilding or initial installation.



Repairs

We offer nationwide hydraulic service, installation, repairs and assembly. We have branches in Zealand, Funen and Jutland.

Our well-equipped service cars contain a wide range of hydraulic components and advanced testing equipment for use in connection with troubleshooting on hydraulic systems. Our talented and experienced service engineers can perform troubleshooting and repair on AVN systems as well as systems from other hydraulic suppliers.

At our workshop, we can repair and test most hydraulic systems, pumps, motors, valves and cylinders. We have extensive experience in renovating hydraulic cylinders with new gaskets, piston rods and honing.

If the need arises, we can be contacted 24 hours a day – just call us on +45 70 20 04 11.





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The AVN Group has more than 80 years of experience, competence and dedication to meet your needs!

With its 100 employees, the AVN Group is an important partner to the Danish and Northern Europe industry. We offer consultancy, sales and service in the following areas: hand tools, mountings solutions, cutting tools, grinding materials, rivets, automation, machines for flexible sheet metal processing, hydraulics and electronic controls.

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