

Elektronisk Turbinregulator

Komplette løsninger for alle typer turbiner



Hymatek Controls er en ledende leverandør innen turbinregulering for vannkraftaggregater i Norge. Hymatek Controls leverer elektronisk turbinregulator og komplett hydraulikk for alle turbintyper og turbinstørrelser.

Elektronisk regulator

HYDROTROL® 20 er Hymatek Controls' andre generasjon av elektronisk turbinregulator for alle typer vannkraftturbiner og leveres i tre hovedvarianter; Kaplan, Francis og Pelton. Teknologien er basert på mer enn 50 års erfaring med elektroniske turbinregulatorer.

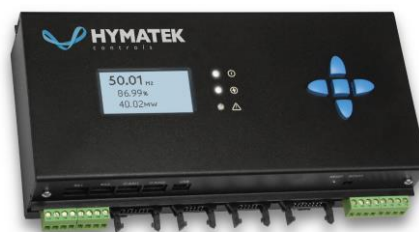
HYDROTROL 20 leveres i flere utførelser; fra de enkleste standardutførelser til de mest komplekse regulatorer. Dette innebærer at regulatoren kan brukes i hele spennet fra småkraft til de største kraftverk. Regulatoren settes opp ved bruk av parametere, noe som minimerer koding på anlegg og reduserer mulige feil.

HYDROTROL 20 er basert på Hymatek Controls' egenutviklede regulatormodul, Connexi™.

Oljetrykksanlegg

Hymatek Controls leverer komplette oljetrykksanlegg og styringer for alle typer turbiner, samt modernisering av eksisterende hydraulikkanlegg. Oljetrykksanleggene er kompakte, med god tilgang for service og vedlikehold.

Oljetanken leveres i rustfritt stål, slik at man unngår behovet for overflatebehandling. Det benyttes kun standard hydraulikk-komponenter som er valgt ut fra behovet for høy driftssikkerhet, lavt støynivå og begrenset oljetemperaturutvikling.



Connexi™ regulatormodul



HYDROTROL 20

Service

Hymatek Controls utfører service og inspeksjoner på alle turbinregulatorer levert av ALSTOM Norway, ABB (Norway), ASEA, NI, NEBB, BBC, Kværner og GE.

Turbine Governors

Complete solutions for all types of turbines



Hymatek Controls is a leading provider of turbine governors for hydro power plants in Norway. Hymatek Controls delivers electronic governors and complete oil pressure systems for all kinds of turbines types and turbine sizes.

Electronic Governor

The electronic governor HYDROTROL® 20 is Hymatek controls' second generation electronic turbine governor. It suits all types of hydro plants, and is mainly supplied for three types of turbines - Kaplan, Francis and Pelton. The technology is based on 50 years of experience with electronic turbine governors.

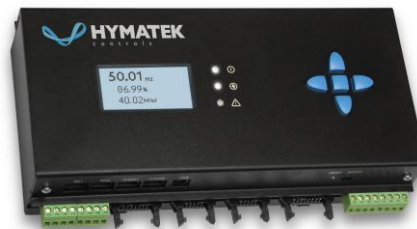
HYDROTROL 20 is delivered in several different configurations, covering the demands from simple systems for small hydro up to the most complex governors, ready to meet all types of plant specific requirements for larger turbines.

HYDRTROL 20 is based on Hymatek Controls' dedicated controller Connexi™.

Governor Oil Pressure Systems

Hymatek Controls supplies complete oil pressure systems (GOPS) and control of all types of turbines, as well as refurbishment of existing hydraulic oil pressure systems. The oil pressure systems are compact, with easy access for service and maintenance.

The oil tank is delivered in stainless steel, in order to avoid the need for surface treatment. Only standard hydraulic components are used, chosen for high reliability, low noise and limited oil temperature changes.



The Connexi™ controller



HYDROTROL 20

Service

Hymatek Controls performs service and inspections of all turbine governors supplied by ALSTOM Norway, ABB Norge, ASEA, NI, NEBB, BBC, Kværner and GE.