



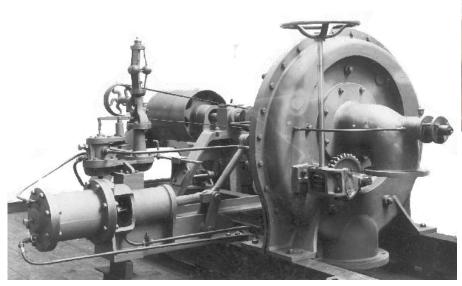
2nd Small Scale Hydroelectric Power Workshop (May 2012)



GILKES TURGO & COMPACT TURGO TURBINES

May 2012 Pretoria, South Africa

- First Turbine installed 1854 at Old Hutton, nr Kendal
- Installed turbine in 1881 at the Cragside estate,
 Northumberland. - First house in the UK to have electric light.
- •Invented Turgo Turbine in 1919







GILKES TODAY

 Currently working on new projects in Zimbabwe, Canada, Guatemala, New Zealand, Kenya, Sri Lanka, Western Samoa, and many sites in the UK

•Sizes ranging from 50kW to 15 MW

 Private land owners through to major Utility Companies.











Gilkes invented the TURGO in 1919

Impulse machine

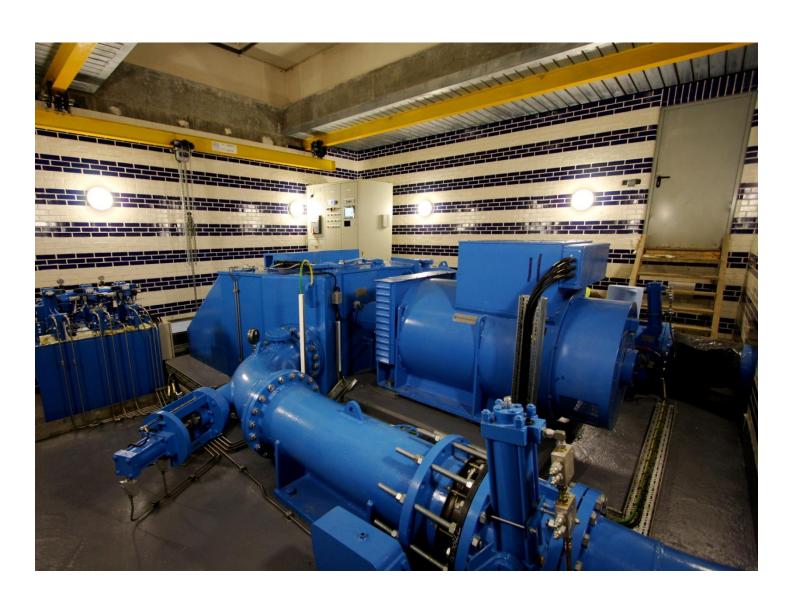
Head range from 50 - 300 metres

Power output upto 10MW Act as PRV's on WTP



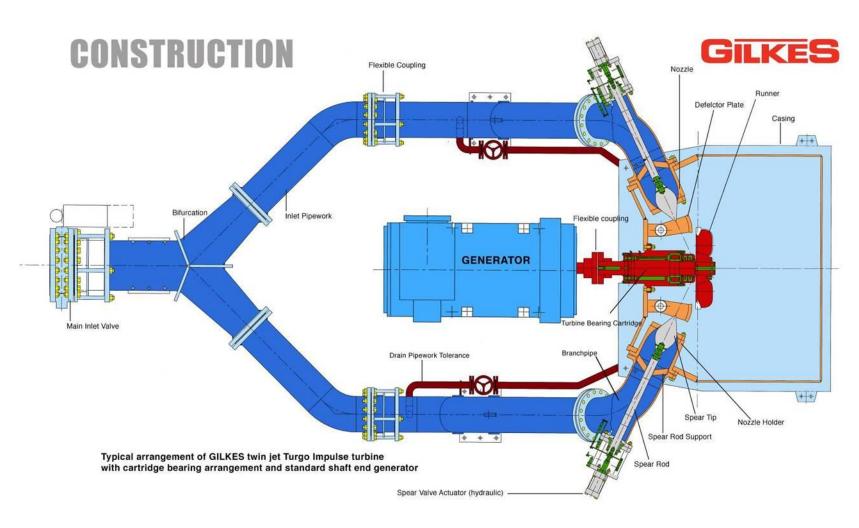
















Compact Turgo

Designed by GILKES in 2005

Plug in and go

Head 40 – 150 metres

Flow 50 – 250 l/sec

Power output 30 – 200kW







Compact Turgo

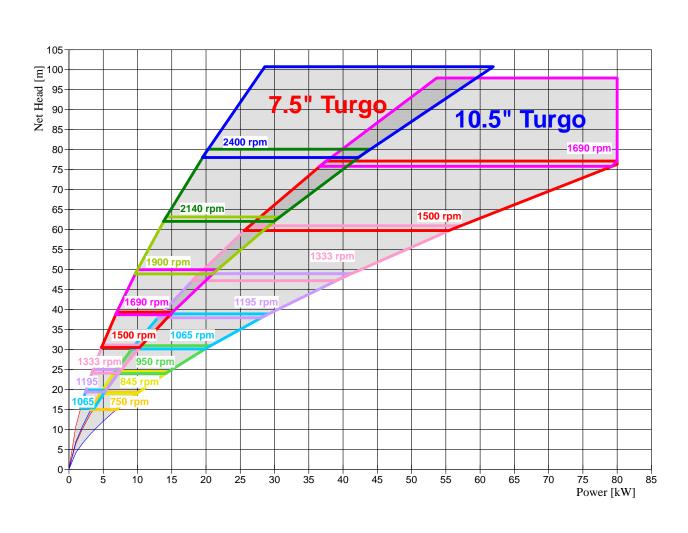








Compact Turgo graph







Faure Turgo

Installed in 1991 Power output 1.5MW







Faure Turgo Spare runner







Thank You Baie dankie

29th MAY 2012

Andy Eaton

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