

PR GOVERNORS

(Since 2006)

(India)

GOVERNORS AND ACTUATORS

FOR STEAM TURBINES / DIESEL ENGINES / GAS ENGINES



- ✓ SUGAR MILLS
- ✓ FERTILIZERS COMPANIES
- ✓ CHEMICAL FACTORIES
- ✓ POWER PLANT

- ✓ PETROCHEMICALS
- ✓ MARINE ENGINES
- ✓ LOCOMOTIVES
- ✓ INDUSTRIES

Selection of Governor and Actuator From G 840 Family

Application : Steam Turbines / Diesel Engines

Hydraulic Governor G - 840 (Basic Model)

- ❖ Output torque Range is 8, 15, 25, 34 and 40 Ft.lbs on Single frame.
- ❖ Variable RPM range 500 to 1500.
- ❖ RPM Inc/Dec knob with vernier analogue counter.
- ❖ Mechanical shutdown.
- ❖ Internal droop adjustment.
- ❖ Both side output shaft with load indicator.



Hydraulic Governor G - 840 MS with Synchronizing Motor & Shutdown Solenoid.

- ❖ Output torque range is 8, 15, 25, 34 and 40 Ft.lbs on single frame.
- ❖ Variable RPM range 500 to 1500.
- ❖ Synchronizing motor voltage 24V DC or 220V AC.
- ❖ RPM Inc/Dec through knob with vernier analogue counter and from remote panel.
- ❖ Shutdown solenoid voltage 24V DC energize or de-energize to shutdown.
- ❖ Internal droop adjustment.
- ❖ Both side output shaft with load indicator.



Hydraulic Governor G - 840 MSD with Synchronizing Motor, Shutdown Solenoid & External Droop.

- ❖ Especially for parallel generators load sharing.
- ❖ Output torque range is 8, 15, 25, 34 and 40 Ft.lbs on single frame.
- ❖ Variable RPM range 500 to 1500.
- ❖ Synchronizing motor voltage 24V DC or 220V AC.
- ❖ RPM Inc/Dec through knob with vernier analogue counter and from remote panel.
- ❖ Shutdown solenoid voltage 24V DC energize or de-energize to shutdown.
- ❖ External droop adjustment knob with indicator.
- ❖ Both side output shaft with load indicator.



Hydraulic Governor G - 840 P with Pneumatic Speed Setting.

- ❖ Output torque range is 8, 15, 25, 34 and 40 Ft.lbs on single frame.
- ❖ Variable RPM range 500 to 1500.
- ❖ RPM Inc/Dec through remote panel.
- ❖ Pneumatic speed range 3 to 15 PSI or 0.5 to 5.5 BAR.
- ❖ Emergency RPM Inc/Dec manual knob.
- ❖ With internal droop adjustment.
- ❖ Both side output shaft with load indicator.
- ❖ Especially for chemical factory's and Oil Refineries.



Hydraulic Actuator A - 840

- ❖ Output torque range is 8, 15, 25, 34 and 40 Ft.lbs on single frame.
- ❖ Variable RPM range 500 to 1500.
- ❖ 0 to 200 mA input.
- ❖ It can work with any electronic governors output 0 to 200mA.
- ❖ Both side output shaft with load indicator.
- ❖ Linearity within 0.5%.
- ❖ Hysteresis within 3% of maximum stroke.



Selection of Governor and Actuator From STG Family Application : Steam Turbines.

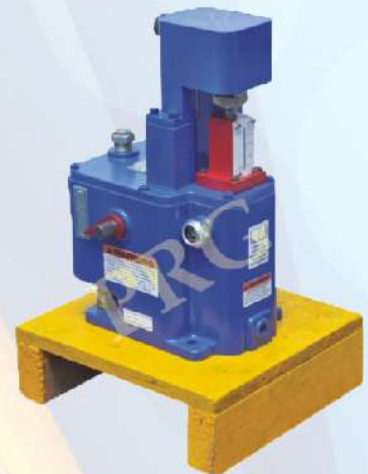
Hydraulic Governor **STG** (Basic Model)

- ❖ Output torque range is 13 and 17 Ft.lbs on single frame.
- ❖ RPM range is 1100 to 2400 / 2000 to 4000 / 4000 to 6000.
- ❖ RPM Inc/Dec knob with indicator scale.
- ❖ Internal droop adjustment.
- ❖ Both side output shaft with load indicator.
- ❖ It can be mounted vertically or horizontally.



Hydraulic Governor **STG M** with Synchronizing Motor.

- ❖ Output torque range is 13 and 17 Ft.lbs on single frame.
- ❖ RPM range is 1100 to 2400 / 2000 to 4000 / 4000 to 6000.
- ❖ Synchronizing motor voltage 24V DC or 220V AC.
- ❖ RPM Inc/Dec through knob with indicator scale and through remote panel.
- ❖ Internal droop adjustment.
- ❖ Both side output shaft with load indicator.
- ❖ It can be mounted vertically or horizontally.



Hydraulic Governor **STG P** with Pneumatic Speed Setting

- ❖ Output torque range is 13 and 17 Ft.lbs on single frame.
- ❖ RPM range is 1100 to 2400 / 2000 to 4000 / 4000 to 6000.
- ❖ RPM Inc/Dec through remote panel.
- ❖ Pneumatic speed range 3 to 15 PSI or 0.5 to 5.5 BAR.
- ❖ Emergency RPM Inc/Dec manual knob.
- ❖ Internal droop adjustment.
- ❖ Both side output shaft with load indicator.
- ❖ It can be mounted vertically or horizontally.
- ❖ Especially for chemical factory's and Oil Refineries.



Hydraulic Actuator **STEA**

- ❖ Output torque range is 13 and 17 Ft.lbs on single frame.
- ❖ RPM range is 1100 to 2400 / 2000 to 4000 / 4000 to 6000.
- ❖ 0 to 200 mA input.
- ❖ It can work with any electronic governors output 0 to 200mA.
- ❖ Both side output shaft with load indicator.
- ❖ Linearity within 0.5%.
- ❖ Hysteresis within 3% of maximum stroke.



Hydraulic Amplifier HA 5.25

- ❖ Hydraulic amplifier for steam turbine to operate higher torque throttle valve.
- ❖ It operate with external oil pressure from 100 to 500 psi
- ❖ It can be mounted vertically or horizontally.
- ❖ Input shaft with scale indicator on both side.
- ❖ Output shaft with load indicator.
- ❖ Any minimum torque governor/actuator can be connected to HA 5.25 for higher torque output.



Electronic Governor EG - 2019

- ❖ Electronic governor for steam turbine/diesel engine.
- ❖ Wide range of RPM setting.
- ❖ Input 24V DC
- ❖ Output 0 - 200 mA
- ❖ Idle to rated speed ramp timing adjustment.
- ❖ Droop adjustment.
- ❖ Starting fuel limit adjustment.
- ❖ Stability, Gain, Compensation adjustment for smooth operation.
- ❖ It can work with any actuator input 0 to 200mA.



Hydraulic Governor Auto Controller HG-AC (HMI-TUCH SCREEN)

- ❖ 4-inch / 7-inch touch screen HMI.
- ❖ Idle RPM Setting.
- ❖ Rated RPM Setting.
- ❖ Idle to Rated and Rated to Idle Speed Time Setting.
- ❖ High / Low Frequency Breaker Trip Setting.
- ❖ Manual / Auto Mode for Increase / Decrease of RPM.
- ❖ Manual Over Speed Test Available.
- ❖ Separate Emergency Stop Switch with Indicator Provided Panel Mounting.



We are proud to say that our PR Governors have been retrofitted in place of the old / obsolete models Mechanical Governors, Woodward Governors, Europa Governors of Steam Turbines & Diesel Engines at competitive price. PR Governors have many customers in India, including turbine manufacturers. Our clients are completely satisfied with the performance of PR Governors.

PR GOVERNORS

(Since 2006)

(India)

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