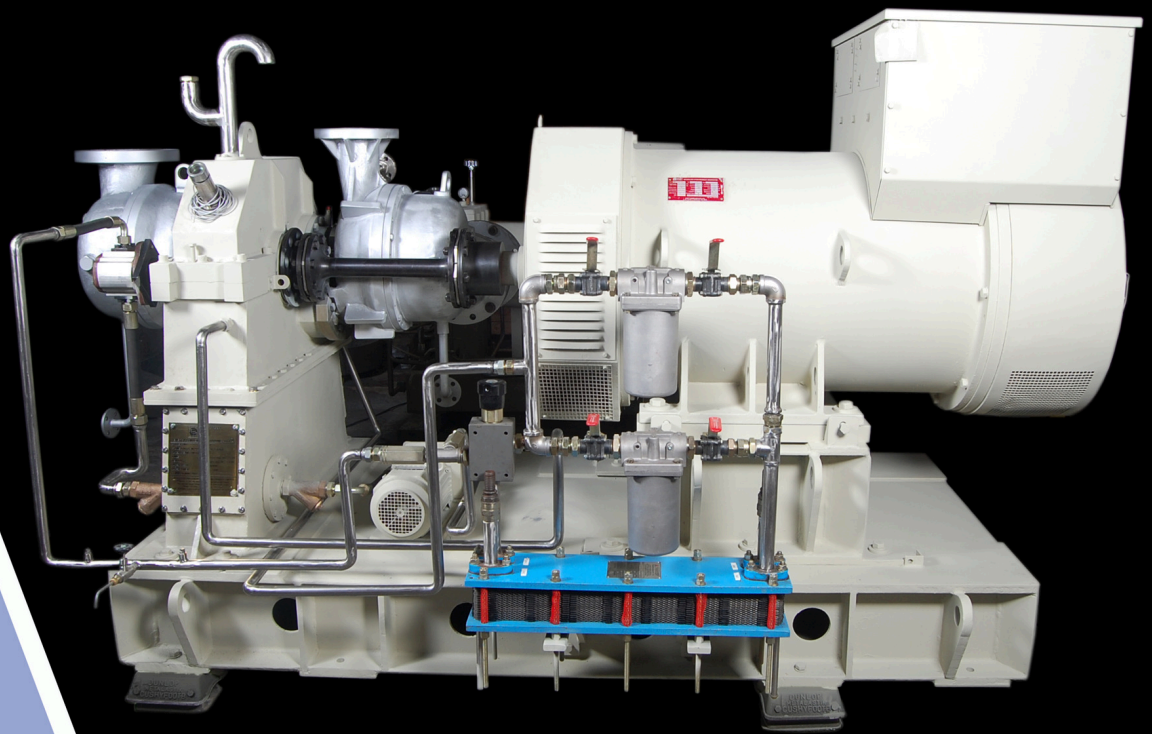


CLEAN ENERGY SOLUTIONS



IPG

High Efficiency Steam Turbines for Energy Conservation

Energy recovery through Cogeneration

What is IPG?

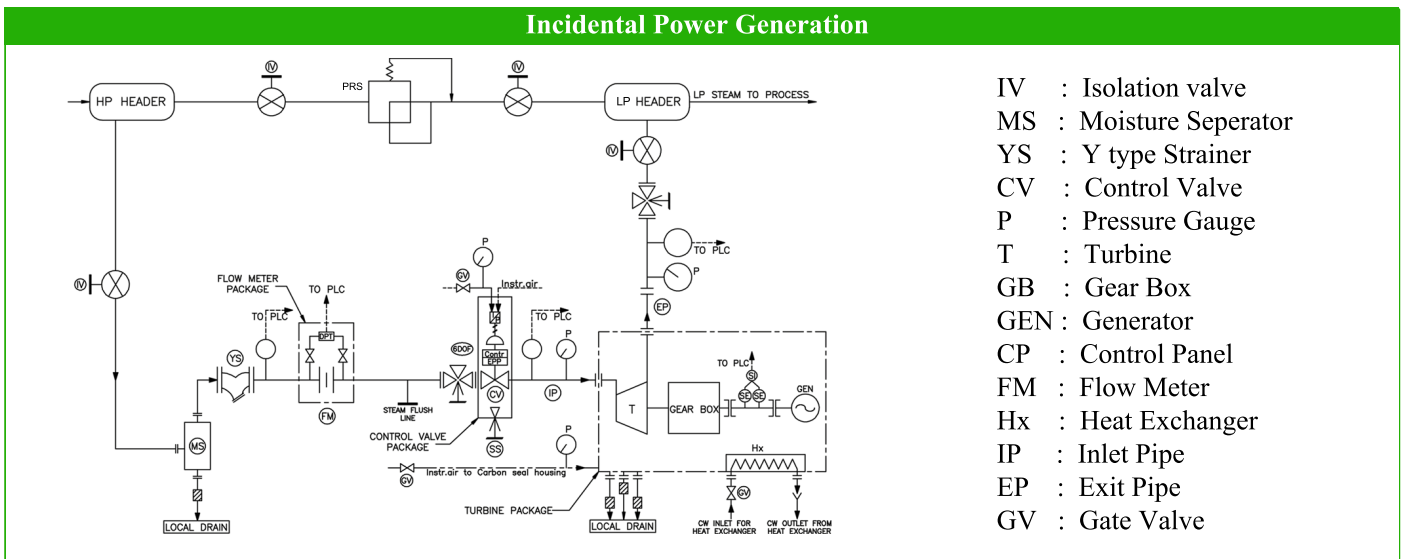
IPG (Incidental Power Generator) is a small cogeneration system catering to steam flow rates from 1.5 tons per hour and upwards. It is a back pressure steam turbine used in parallel to an existing Pressure Reducing Valve. Steam is expanded in the back pressure turbine i.e. IPG, thus converting heat energy of steam to electrical power. The pressure control valve regulates the steam flow rate so as to maintain the requisite process steam pressure. Steam is thus used twice, first for power generation and then for process heating.

Salient Features

- * Converts waste energy to clean energy
- * Produces Incidental Power ranging from 30 KW to 3000 KW

Savings

- * Low Cost
- * High utilization factor (about 80-95%) equals best "bang for the buck" compared to others
- * Clean-tech investments
- * Environmental Benefits
- * 1 KWh of energy generated in our turbines prevents 1.20 kg of CO₂
- * Reduced Carbon Emissions
- * Reduced use of fossil fuels and lower emissions of green house gases



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