MINI POWER PLANT

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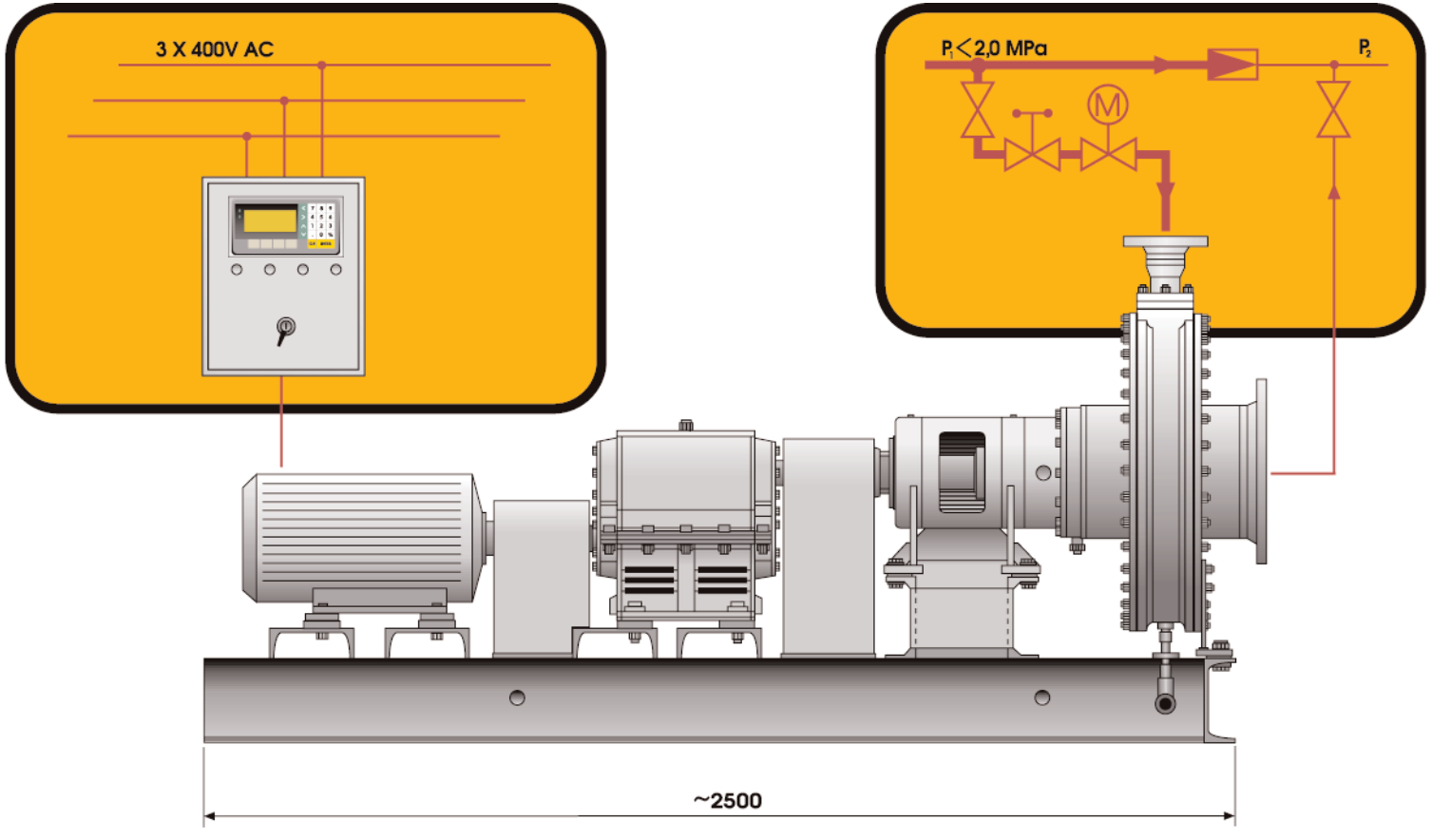
Energetikai és Környezetvédelmi Fejlesztő Kft.



THE CONCEPT

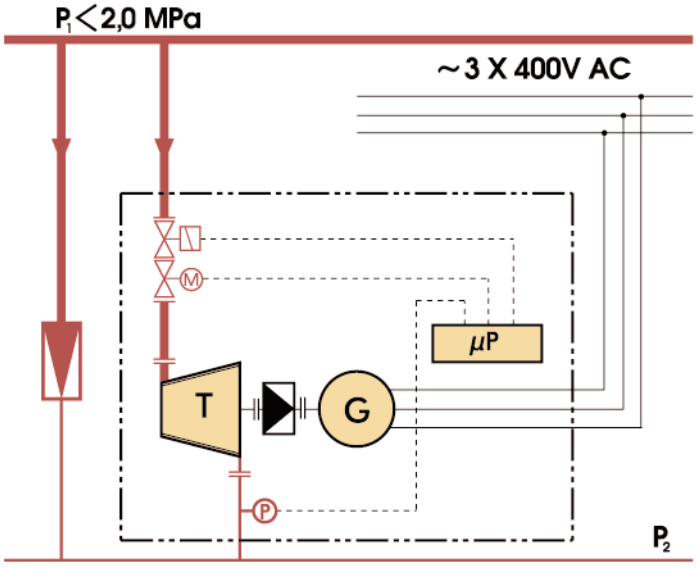
Pressure reduction in industrial steam systems is a general demand. For saturated steam systems up to 20 bar we offer you a mini power plant. This system converts a certain part of the heat energy into electrical energy in a cost effective way. The generated electrical energy can be fed to the low voltage mains. If used adequately the return time on investment lies between 2 - 4 years, depending on the price of electrical energy in the region.

MINI POWER PLANT

TECHNICAL PARAMETERS

Working fluid:	Saturated steam
Input pressure:	max. 20 bar
Temperature of input fluid:	max. 250 °C
Pressure relation:	0,2 - 0,6
Overall efficiency:	33 - 35 %
Output voltage:	3 x 400 VAC
Output frequency:	50 Hz
Electrical output range:	20 - 300 kW
Steam usage:	1 - 10 t/h

CONSTRUCTION OF THE MINI POWER PLANT



APPLICABLE

The turbine is not sensitive for pollution or water in the working medium, so it can be used at every steam system, where continuous pressure reduction is needed or can be generated.

THE MINI POWER PLANT CONSISTS OF

- turbine
- generator
- supervisory control

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