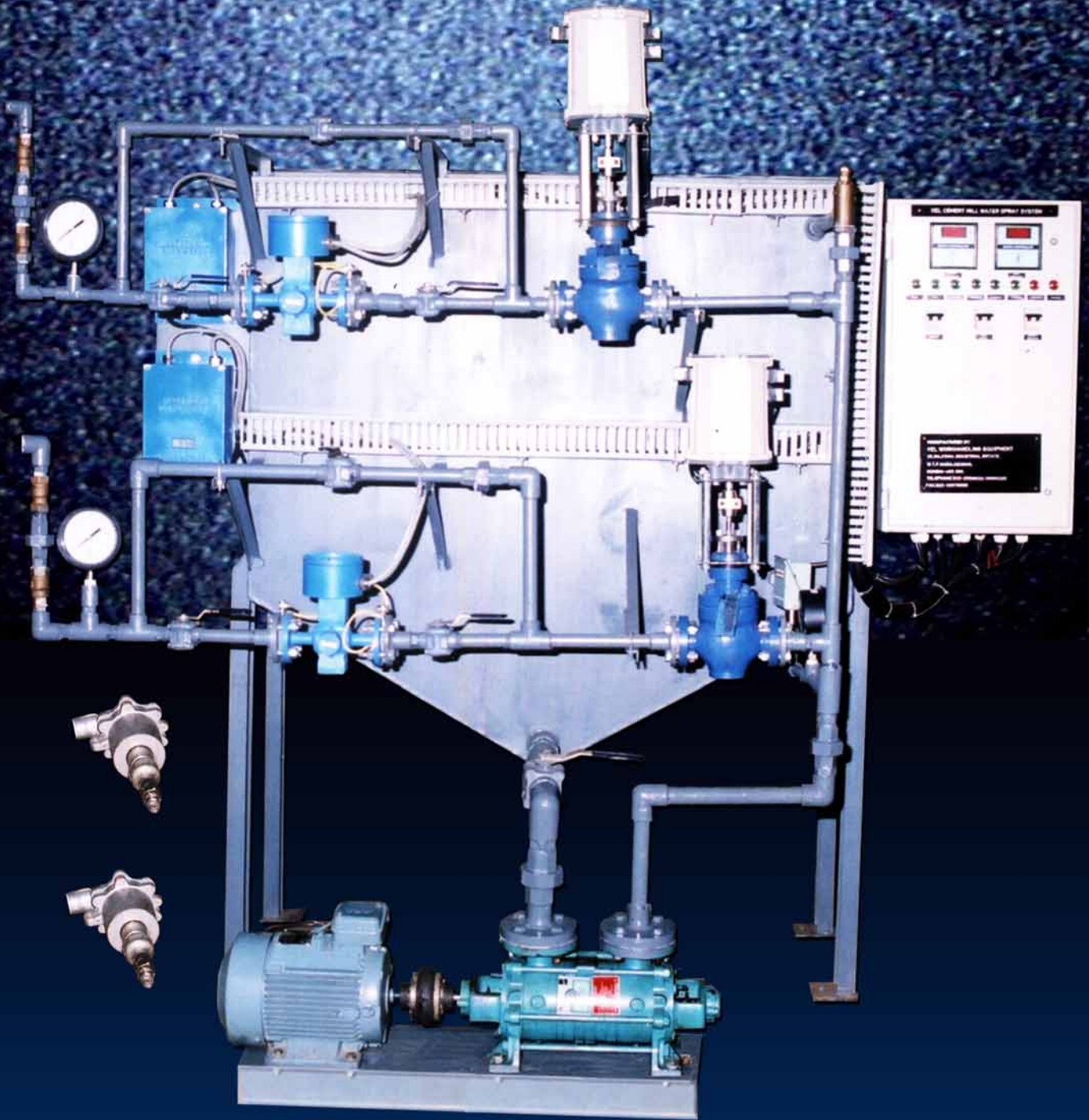


VEL CEMENT MILL WATER SPRAY SYSTEM



Applications

During the process of finish grinding of clinker, lot of heat is generated inside the cement mill. The heat generated in excess has to be dissipated so that mill discharge temperature is kept at a desired level (around 90-120°C) to prevent the deterioration of the quality of cement. The increase in temperature beyond 125°C leads to dehydration of gypsum which changes the property of setting of cement. The decrease in temperature below 90°C leads to wet clogging of gypsum and the cement strength is affected.

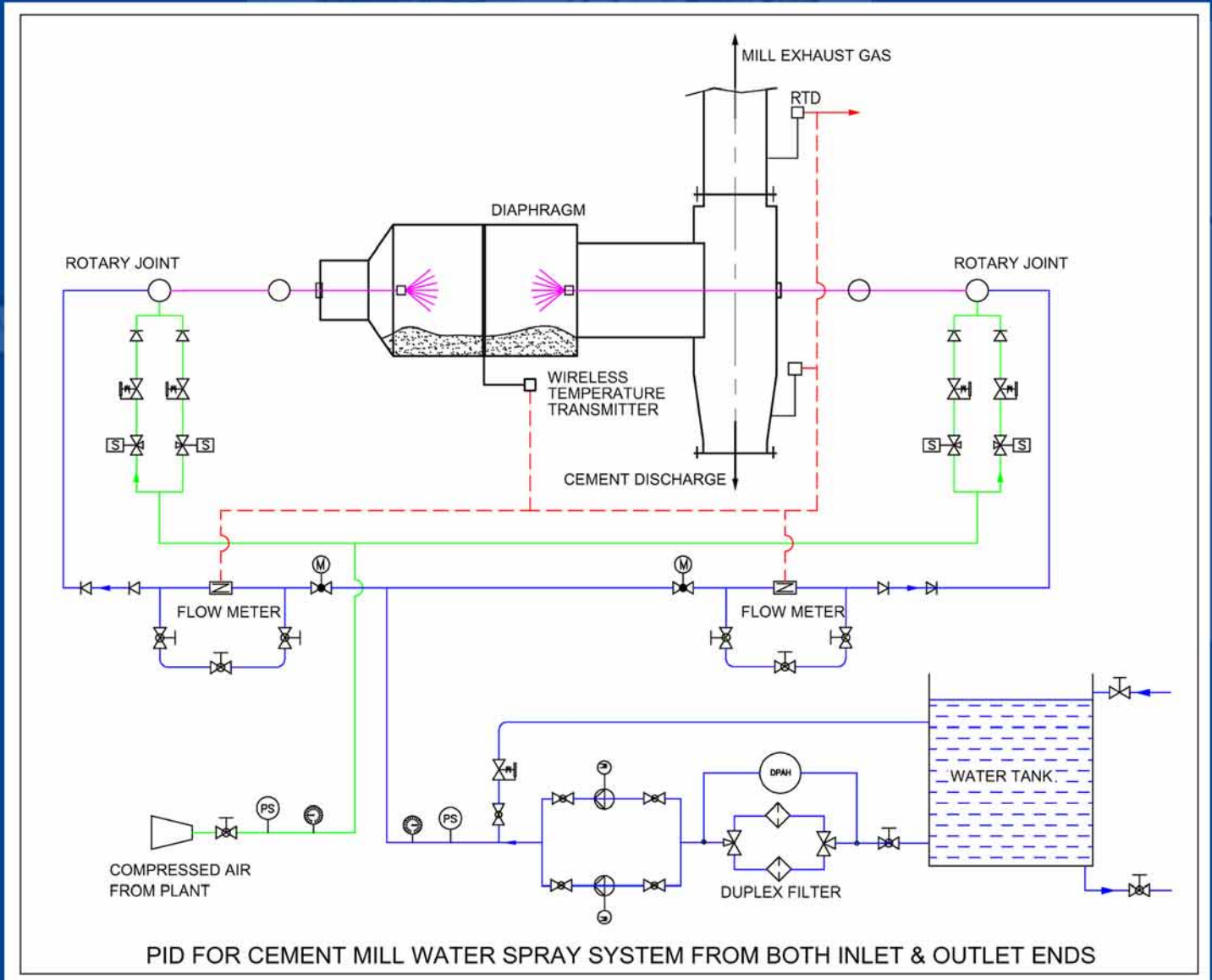
Internal water cooling in a cement mill serves to maintain the mill outlet temperature constant at preset values.

VEL CEMENT MILL WATER SPRAY SYSTEM IS AN ADVANCED METHOD OF TEMPERATURE CONTROL IN CEMENT MILL WHICH RESULTS IN ENHANCED CEMENT QUALITY.

System Description

VEL Cement Mill Water Spray System comprises of complete set of pumps, valves, spray nozzles, instruments etc & all relevant accessories, assembled as one unit making it user-friendly and easy to install.

Water Cooling in the Cement Mill is accomplished by injecting and evaporating water at the outlet / inlet end of the mill. The water vapour is removed from the mill together with the ventilation air, which must be so ample that the temperature does not drop below the dew point anywhere in the pipes, dedusting filter, etc after the mill.



The system ensures precise control of temperature in both the chambers of cement mill by regulating the volume of injected water through motorised control valves. The design of the injection nozzles and the compressed air used for atomization gives a very good turn down ratio in the entire range of water flow regulation. When the water injection is disconnected, compressed air purging keeps the injection nozzles clean. The system may be interfaced and operated through your existing PLC/DCS or may be provided with a standalone control panel.

We design, manufacture, supply to achieve your ultimate goal

Manufactured By,

VEL ENGINEERING SERVICES

3A, Majithia Industrial Estate, Waman Tukaram Patil Marg, Deonar, Mumbai 400 088

Phone : 91 - 22 - 2556 9122, 2556 5478, 2558 3235 ● Fax : 91 - 22 - 25576395

E- mail : vel4@vsnl.com ● Website: <http://www.velengineering.com/cementmill.html>

