

MODULARISED EMULSION PLANTS

BME Emulsion Plants are designed to be mobile, robust and user friendly, making them ideally suited for the mining environment. All plants are divided into two primary modules. Steam generation to provide heat for the process and the production module, which both generate the base solution from dry raw materials and manufacture the emulsions.

With the Emulsion Plants being modular in design we can offer a range of production outputs; starting with the F1 plant, which is capable of producing 20T of emulsion in an eight hour shift. This can be extended to either the F2, with a production capability of 30T per shift, or the F3, with the production capability of 40T per shift, with the addition of further production and steam generation modules.

Most importantly, whilst all of our plants have been designed to be easily operated and maintained they also include all the necessary safety controls to provide an operator friendly work environment.



Technical

Benefits:

- Proven reliability in remote locations
- Ease of installation in remote sites, as the modules are built into standard size containers to facilitate transport and handling
- Proven ease of operation and maintenance

Safety features

- All critical pumps are fitted with an independent electronic pump protection system, which monitors and controls operating pressures and temperatures, thus protecting the system from against dead-heading and dry-running scenarios
- All critical pumps are fitted with mechanical pump protection devices to further protect the system from a dead-heading scenario
- The boilers are fitted with all the necessary safety devices to minimise the risk of equipment failure and therefore safety incidents and production losses
- Temperature monitoring systems are installation on the solution preparation tanks
- Emergency stops are situated at critical locations throughout the plant
- Installed equipment protection devices to stop the ingress of foreign objects into the system