

DEFERRIZATION EQUIPMENT

GENERAL

The deferrization equipment is intended to retain the iron particles being in the fluid composition that will form high voltage insulators or insulating materials with high rigidity, where the presence of iron particles would lead to flashover.

STRUCTURE

The equipment is composed of the supply cabinet and the deferrization tank.

The supply cabinet contains:

- matching transformer;
- rectifier;
- protection and signalling system.

The deferrization tank is made of:

- DC electromagnets 115 V; 2.5 A;
- 20 wire baskets, being in the field of the electromagnet for retaining the iron particles;
- tank cover;
- threaded reducing pieces for fluid inlet and outlet.



TECHNICAL CHARACTERISTICS

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| • The cabinet is supplied from the monophase network | 220 VAC; 50 Hz, 2 A |
| • Cabinet protection degree | IP23 |
| • Operating pressure in installation: | 10 bar. max. |
| • Casting slip flow | 8 m ³ /h |
| • Quantity of the iron retention to the wire baskets | 0.32 kg |

MODE OF OPERATION

The deferrizer is mounted in vertical position such as the fluid circulation to occur from downside to upside. The connection of the supply pipe is done at the inlet of the lower side of the deferrizer by a connecting sleeve of 2", the fluid being delivered under pressure after the retention of the particles by the wire baskets in the magnetic field on the upper side of the deferrizer, by a connection sleeve of 2". After the passage of the whole fluid quantity through the deferrization equipment this one is disconnected from the network, the upper cover is manually opened and the system of wire baskets and grids is taken out and washed. After washing, the system of wire baskets and grids is inserted as it was before, taking into account the accurate positioning of the upper grid, the spacing pipe is mounted, the cover is manually closed

OVERAL DIMENSIONS

L x l x H = 750 x 750 x 1570 mm

Weight = 125 kg