



### LADLE POROUS PLUG CLEANING SYSTEM

Therm process is pleased to introduce New Ladle Porous Plug cleaning system to increase the life of porous plug & also reduces the wastage of Oxygen & purging gases.

#### Process

Normally the operator cleans the plug with the help of oxygen lance for specific duration (depending up on his past experience)

Since earlier there was no method to inform the operator about the exact time of plug getting cleaned up. The operator kept on lancing the plug (excess lancing) & there by unknowingly damaging the plug, consuming excess purging gases ( oxygen & argon)

#### Improvement

The new Ladle Porous Plug cleaning system will help the operator by giving an Audio - visual alarm indicating plug clean up, so that excessive lancing can be stopped immediately.

A control box is provided with valves to regulate purging gas.

A flow switch & gas solenoid valve is also provided in control box.

Existing purging gas line shall be connected to control box inlet & outlet shall be connected to ladle pouring plug point.

#### Advantages

- (1) Increasing porous plug life
- (2) Reduced Oxygen consumption.
- (3) Zero purging failure incidences (workmen safety)
- (4) Reduced Argon / Nitrogen consumption.
- (5) Easy to install & operate.