

Vallak®

Hot-Top



A tailor-made Hot-Top!

Piping is a well known phenomenon that occurs during the solidification of killed steel in ingot moulds. The function of hot-tops is to maintain a reservoir of liquid metal in the top of the ingot in order to minimize the pipe and the associated segregation.

In 1952, Dr. Enn Vallak invented the very first combustible prefabricated hot-top regularly used. His knowledge of materials for high temperatures together with his creativeness has resulted in outstanding tailor-made hot-tops:

The Vallak® Hot-Top.



Dr. Enn Vallak.



A forging ingot mould with Vallak® Hot-Top.

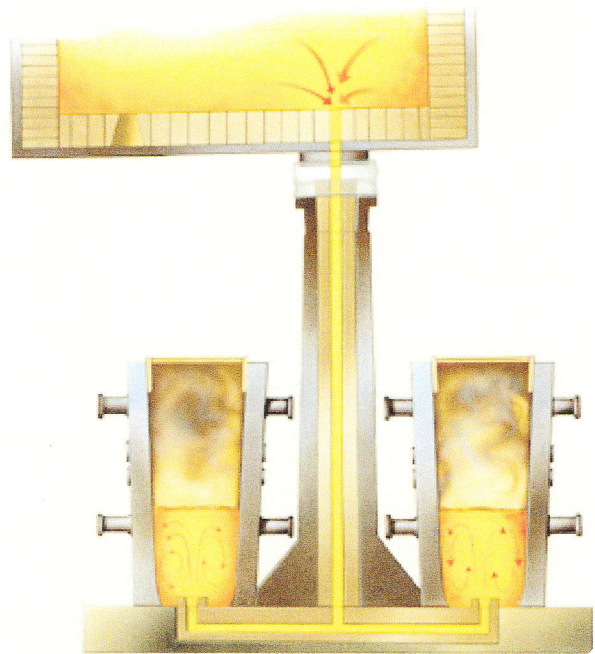
The National Swedish Board for Technical Development (STU) has judged the Vallak® Hot-Top to be one of the most important inventions in Sweden 1945–1980 (STU information No. 350 – 1983).

In 1953 Ferrox AB Was established for the production of the Vallak® Hot-Top in Grythyttan. Since then Ferrox AB has been a sure and reliable supplier of consumable articles to the steel industry.

Covering agents/boards

About 40 % of the heat in the sink-head can escape to the atmosphere by radiation from the top surface of the liquid metal, if not prevented.

FERROX Anti-Piping Board lives well up to the demands of many ingot producers.



Uphill casting with Vallak® Hot-Top



Vallak® Hot-Top with FERROX Anti-Piping Board



One piece Vallak® Hot-Top.

The Vallak® Hot-Top offers you:

- Excellent yield.
- Good fits between hot-top and ingot mould.
- Good ingot top surfaces.
- Consistent high performance from cast to cast.



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