AJF INC. SANDING CARTRIDGE SYSTEM
.. An extremely practical solution to your non-free open problems.

The Cartridge is a Focused Sanding Delivery System

The Clean Flow Cartridge System is a unique device designed to ensure the free flow of steel from ladles with bottom pour gates. Cartridges are custom made to each mill's individual specifications. Ladle nozzle, and well block size determines the dimensions of the cartridge, while practice, and non free open issues determine the cartridge fill material.

The picture above shows two types of cartridges one containing coarse silica, and the other standard CFLS-30 "Clean"

U.S. Patent 5,971,233

SANDING CARTRIDGE SYSTEM
.. Safe, Clean Productive, Cost Effective, and above all, Easy to use.

Increase
In
Free-Open Percentage

STEP 1: Clean The Nozzle Area

Step 2: Insert The Cartridge

The Cartridge is inserted while the ladle is on its side in the ladle prep area (Fig. 1) and with the gate open. After insertion the gate is closed and the ladle is set upright. (Fig. 2) The material in the cartridge fills the nozzle as much or as little as is required by the customer.

The cartridge guarantees that the nozzle is filled, however additional sand must be added to fill the well block just prior to tapping.