

# EDMESTON

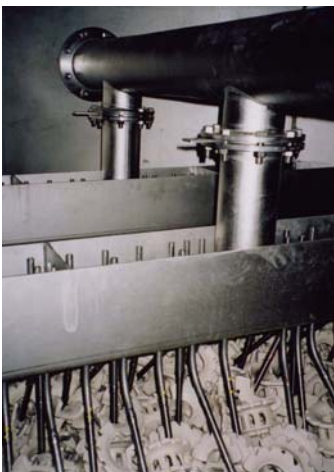
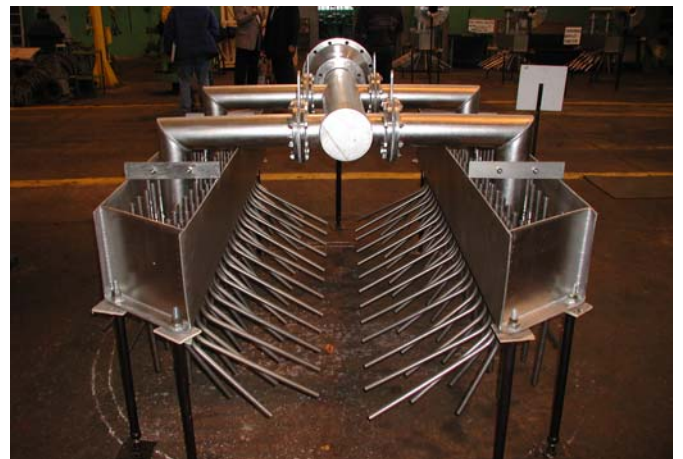
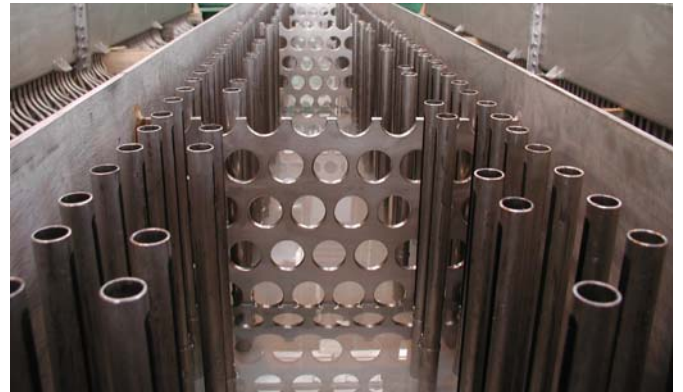
## SX<sup>®</sup> Trough Distributor

*Sandvik SX<sup>®</sup> stainless steel was introduced to the market by Edmeston AB in 1984. The introduction of Sandvik SX<sup>®</sup> equipment led to a paradigm change in the industry with equipment of reduced corrosion, prolonged life, reduced maintenance and increased plant safety. Sandvik SX<sup>®</sup> is maintaining the leading position as the number one, standard for comparison, top performing alloy, for sulphuric acid service.*

All Sandvik SX<sup>®</sup> acid distributors are tailor made for the intended application and service, ranging from replacing cast iron distributors in old towers to the most advanced distribution systems for a high performance towers or for towers with structured packing. By using Sandvik SX<sup>®</sup> distributors all disadvantages with cast iron distributors are eliminated. Sandvik SX<sup>®</sup>, with its superior corrosion resistance, also offers numerous advantages over other alloy designs.

- The density of irrigation points can be optimised to satisfy process requirements, normally up to 44 distribution points / square meter.
- The distribution points are evenly spaced over the packing surface ensuring a completely uniform distribution pattern.
- Slot and orifice sizes will remain constant during the life time ensuring unchanged performance.
- Acid is fed to the troughs through branch pipes directly from a header pipe without any complicated gate assemblies in the troughs, ensuring fast and easy installation, commissioning and cleaning.
- As Sandvik SX<sup>®</sup> has an extremely low corrosion rate, the acid quality will be improved and the distributor will not contribute to sulphate formation or build-up in the tower.
- As the Sandvik SX<sup>®</sup> distributors are very light compared to cast iron, installation is easy and loads on the tower are reduced.
- As Sandvik SX<sup>®</sup> distributors are maintenance free there will be no downtime, no need for a spares inventory and no maintenance costs.
- Lifetime expectancy exceeds 20 years.

The Trough type distributor is normally chosen for high performance towers or when a high density of irrigation points is required. The distributor is typically designed with up to 44 points/m<sup>2</sup>. A recent development in design is the reduced number of troughs in combination with an improved irrigation point pattern. The spacing between the troughs has been increased leading to a more cost effective design and lower tower pressure drop, maintaining a completely uniform acid distribution pattern.



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