

# EDMESTON

## SX<sup>®</sup> Pipe 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 uniform distribution.
- Hole and orifice sizes will remain constant during the lifetime ensuring unchanged performance.
- By adapting pipe distributor designs and orifice sizes to the process conditions a gentle distribution over the packing is ensured without burying the distributor in packing. This will give possibilities for a higher gas flow and capacity or reduce blower operation cost, by reducing the over all tower pressure drop.
- 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 Pipe type distributor is a cost efficient choice for new installations or replacements. Even though it is available for any tower size, the simple design is particularly suitable for mid-size (Ø 5 m) or smaller towers. The special patented threaded coupling of the branch pipes to the header allows a very quick and easy installation. The coupling has recently been further improved and new designs of pipe type distributors do not require any o-ring seals.



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