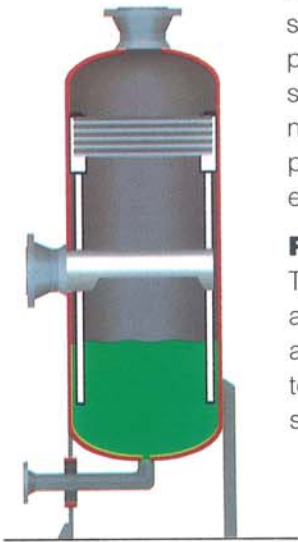


BM 627

European Patent No. 87303161.1



BM 627

High efficiency. Handles very high throughputs at low pressure drop. Handles high liquid loadings. Operates at high pressures.

For vertical operation.

Applications: Vertical gas separators. Distillation columns. Compressor protection. Steamdrying (up/down flow). Process gas cleaning. Retrofits/upgrading. Pollution control.

Vane Description

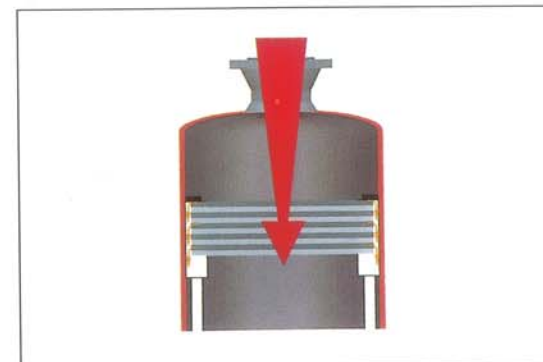
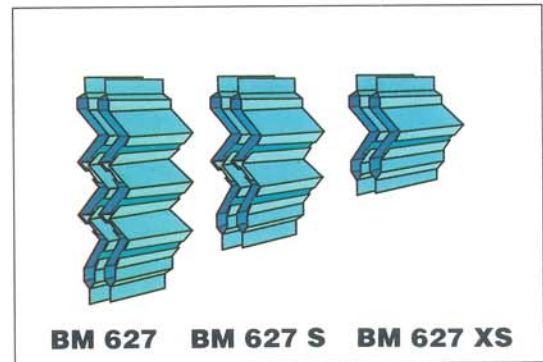
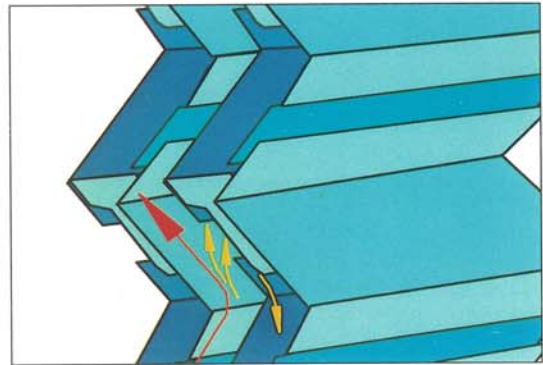
The BM 627 provides a similar combination of high separation efficiency, low pressure drop and good operational capabilities similar to the BM 625. The patented liquid drainage system through the hollow vane blades make it a very compact design and eliminates reentrainment of the separated liquids from the gas flow.

Design Flexibility

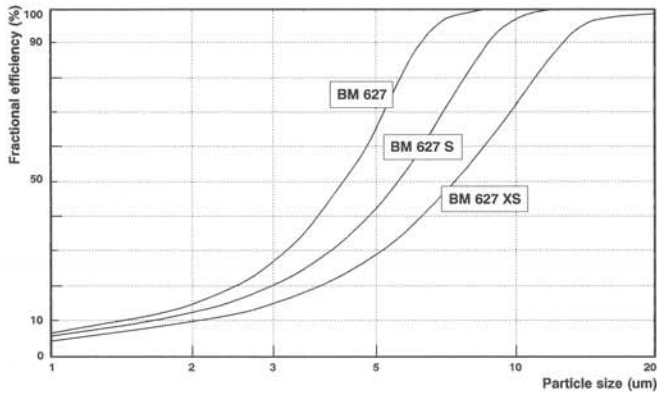
The BM 627 vane is produced in three different designs. All designs are based on the initial criteria as described previously. However, each of the designs features its own specific combination of the most important operating properties (pressure drop, separation efficiency and physical dimensions).

Flexibility Of Operation

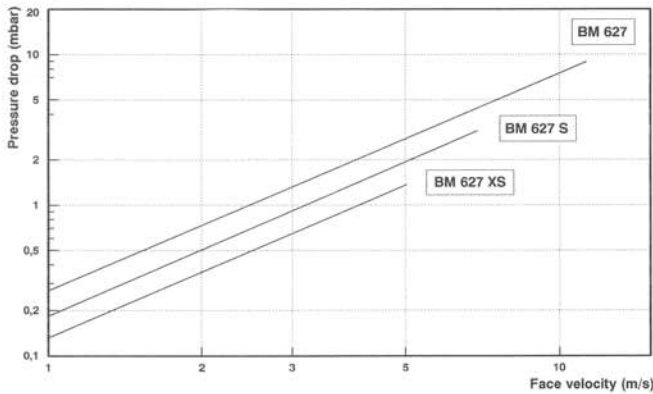
The BM 627 can either be mounted in an upflow or downflow configuration. In a number of cases the latter has proven to be a practical solution in space restricted areas (steam drying).



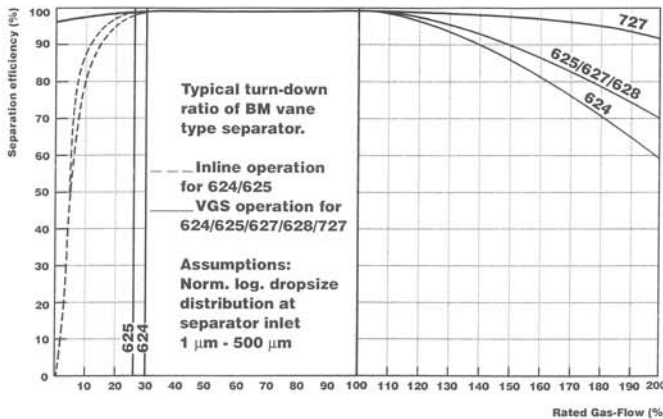
Fractional efficiency curve



Pressure drop curve



Turn down characteristics BM Vane type separators



Note:

The upper graphs refer to atm, water/air systems.

Selection Procedure And Operating Data

Each design of the BM 627 has its own special operating characteristics. Knowing the performance date the optimum design for a particular application can be selected, so that pressure drop, separation efficiency and physical dimensions match the optimum requirements.