



Akiki Engineering Est.

*Water & Steam Experts*



## 1.8. Degasification Catalogue

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## Degasifier System, AEDG model



### Degasifier System

The Degasification system specified under this section shall be a vertical cylindrical column of forced air system with PVC packing for removal of CO<sub>2</sub> and H<sub>2</sub>S. The Degasifier System shall be a product of Akiki Engineering, a Company regularly engaged in the manufacture of Water Treatment Equipment. The Degasifier System shall be of the vertical type suitable for a flow rate of 20 GPM /SF.

The Degasifier System shall consist of Degasifier column(s), Piping, Valves, centrifugal Blower, Manhole, Packing, internal distribution, and an (optional) Storage tank.

## Degasifier Column

- The column shall be with side shell height 450 cm and shall be constructed of mild steel, standard dished end shall be fitted to top side, all welds shall be continuous and uniform. A 28 x 38 cm Manhole complete with flange, cover gasket yoke, bolts and nuts shall be located at top and side of Degasifier column for sizes 100 cm diameter and larger. Smaller sizes shall be fitted with flanged hand holes.

## Lining

- All interior wetted surfaces of column shall be commercially sand blasted after fabrication and the first coat of tank lining shall be applied within three hours to prevent oxidation of prepared surfaces.
- Column interior lining shall be epoxy tank coating and shall be applied to all wetted surfaces of the tank in two successive coats.
- External column painting shall be two coats of rust inhibitor.

## Internal Distribution and Packing

- Column internal equipment shall include upper distribution system and air distribution system hydraulically balanced for proper operation.
- The packing shall be of PVC construction and shall be 4 inch in diameter and 4 inch in length, packed in the column uniformly at a total depth of 2.5 meters.

## Blower

- A centrifugal Blower driven by electric motor shall be installed complete with flexible hose and adjustable valve.

## Piping and Valves

- The Degasifier shall be provided with all face piping inlet, outlet, drain, overflow and air outlet.