FEATURES

• Air separation process based on the concept of coalescence, microbubbles tend to adhere to a surface and then grow together to form larger air bubbles.

• SS Pall rings used to provide
  - Large surface area per volume.
  - High probability of collision and adhesion of microbubbles, as the fluid flow gets deflected in different directions.
  - Minimal resistance to fluid flow.

• High capacity auto airvent.

• Separation of dirt particles heavier than water is facilitated by
  - Low water velocity.
  - Deflection of fluid stream in many different directions by the pall rings.
  - Creation of non-turbulent zone in the extended lower part.

• Ball valve at the bottom to drain the collected dirt particles.

BENEFITS

• Removes air microbubbles
  - Increases heat transfer efficiency.
  - Reduces chances of air lock.

• Better air separation than centrifugal action.

• Reduces corrosion in piping and sludge formation.

• Removes impurities heavier than water
  - Prevents choking of strainers.
  - Prevents damage to pumps and other equipment.

• Better dirt removal than perforated sheet strainer.

TECHNICAL DATA

Material

Shell : Carbon Steel
Pall rings : SS
Auto airvent : Brass
Max. operating pressure : 16 Bar
Working temperature range : (-)10°C-120°C
INSTALLATION AND COMMISSIONING

While installing, ensure that the inlet and outlet connections are properly oriented. Fix a valve at the drain point to facilitate routine maintenance.

DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>ØD</th>
<th>Weight (kgs.)</th>
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All dimensions are in mm
Flanges to IS : 6392 - 1971