

RCS Series Cyclonic Separators/Demisters

Rawsen **RCS / DM** Series moisture separators are unique in design.

They employ *two* well proven techniques of separating condensed liquid and vapour from compressed air and gas streams.

- ***cyclonic action*** – the incoming air / gas velocity is increased by centrifugal action – liquid and large drops are separated and thrown outwards against the inner wall of the vessel and drain to the sump.
- ***demisting*** – velocity of the air / gas leaving the centrifuge is decreased in a void before passing through a tightly packed stainless steel wire pad. Water and oil droplets strike and adhere to the wires, progressively growing into larger drops which gravitate to the sump.

The air / gas stream undergoes a 180° directional change before flowing vertically to the outlet port.

This unique design accounts for the excellent efficiency in separating both liquid and vapour over a wide range of flow rates and pressures.

All **RCS / DM** models are easily dismantled for cleaning and inspection.

Demisting pads are removable and available as replacements.

Construction is in accordance with the standards of pressure vessels.

Internal and external surfaces are protected against corrosion by epoxy coating or hot dip galvanising.

Each unit is supplied with an external manual condensate drain to which a variety of automatic drains may be added.

How does it work?

