PRODUCT DATASHEET

Multi-Cyclone Gas Separator

Liquid and dust removal without elements





DETAIL – SEPARATOR WITH QUICK-OPENING CLOSURE

OVERVIEW

The Tech Inc. Multi-Cyclone Gas Separator separates liquids, sand and dust from gas using a bank of small cyclone tubes inside one pressure vessel. It has no filter elements to change, so it suits gas with heavy solids or liquid loads ahead of filters, meters and compressors.

MODELS AND CONFIGURATIONS

- **Multi-cyclone separator** – cyclone bank for solids and droplets.
- **Multi-cyclone with filter stage** – cyclones followed by a cartridge filter stage.
- **Twin vessels** – duty/standby vessels for continuous operation.
- **Vertical or horizontal** – arranged to suit the plot.

TYPICAL DESIGN DATA

Design pressure	To client specification
Design code	ASME VIII, or client specification
Materials	Carbon steel, low-temperature carbon steel or stainless steel
Cyclone tubes	Number and size chosen for the gas flow
Drains	Automatic level-controlled or manual

APPLICATIONS

Gas wellheads, gathering stations, city gate and pressure-reducing stations, compressor inlets and fuel gas lines.

KEY ADVANTAGES

- **No elements to change** – cyclones separate without consumables
- **Handles heavy loads** – copes with sand and liquid slugs that block filters
- **Protects meters and filters** – downstream equipment sees only fine particles
- **Low maintenance** – drains and inspection are the only routine tasks

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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