



ORIENTAL SYNERGY SDN. BHD. (246400-D)

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CATALYST CHANGE OUT VACUUM SYSTEM





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ATLAS DIESEL ENGINE-DRIVEN CATALYST VACUUM (WITH ADJUSTABLE VACUUM CAPACITY)



- **DEUTZ** HIGH PERFORMANCE DIESEL ENGINE
- 6-CYLINDER, TURBO-CHARGED, WATER-COOLED
- POWER RATING : 210 HP (155kW)



↑
**RADIATOR & COOLING FAN HOUSED
IN SOUND-PROOF ENCLOSURES**



**VACUUM PUMP DIRECTLY COUPLED TO
ENGINE.** →





↖ ↑
DIRECT-DRIVEN VIA TYRE COUPLING



- ROTARY POSITIVE DISPLACEMENT VACUUM PUMP, ROOTS TYPE.
- CAPACITY : 3,000 CFM
- VACUUM : 16" HG



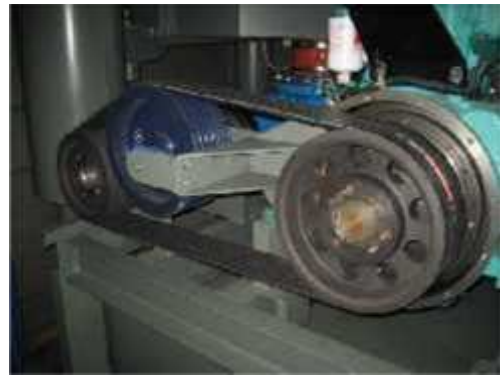
ANALOG TYPE

- ENGINE CONTROL PANEL WITH :
 - MANUAL ENGINE RPM CONTROLLER, OR
 - ELECTRONIC ENGINE RPM CONTROLLER.



DIGITAL TYPE

ENGINE RPM CONTROL KNOB



V-BELT & PULLEY DRIVE ARRANGEMENT WITH BELT TENSIONER.

- VACUUM PUMP DISCHARGE SILENCERS.
- BOX AND CIRCULAR TYPE



VACUUM PUMP PROTECTION DEVICES :

- HIGH VACUUM CUT-OFF SENSOR
- HIGH TEMPERATURE CUT-OFF SENSOR





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ATLAS™

VARIOUS TYPES OF CATALYST CYCLONE / SEPARATOR



→ BUILT-IN DUST COLLECTOR

→ CATALYST HOLDING CAPACITY : 3 m³

→ TELE-SCOPIC LEGS FOR EXTENDED HEIGHT

→ HIGH EFFICIENCY SOCKS TYPE FILTER BAG

→ AUTOMATIC REVERSE JET-PULSE FOR FILTER CLEANING

→ AUTOMATIC CATALYST DISCHARGE VIA DOUBLE-DUMP VALVES SYSTEM.



DOUBLE-DUMP VALVES SYSTEM COMPRISING :

- TOP SLIDE GATE VALVE
- BOTTOM FLAP VALVE
- PNEUMATIC CYLINDERS
- CONTROL VALVES



- BUILT-IN DUST COLLECTOR
- CATALYST HOLDING CAPACITY : 3.5 m³
- TELE-SCOPIC LEGS FOR EXTENDED HEIGHT
- HIGH EFFICIENCY SOCKS TYPE FILTER BAG
- AUTOMATIC REVERSE JET-PULSE FOR FILTER CLEANING
- SEMI-AUTO CATALYST DISCHARGE VIA SINGLE SLIDE GATE VALVE.



SINGLE VALVE DISCHARGE SYSTEM COMPRISING :

- SLIDE GATE VALVE
- PNEUMATIC CYLINDERS
- MANUAL HAND LEVER TO CONTROL OPENING/CLOSURE OF SLIDE GATE VALVE



← IP56 WEATHER-PROOF CONTROL PANEL



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CYCLONE WITH SPLIT DUST COLLECTOR



SPLIT -TYPE DUST COLLECTOR :

- REDUCED OVERALL HEIGHT
- TELE-SCOPIC LEGS FOR EXTENDED HEIGHT
- HIGH EFFICIENCY SOCKS TYPE FILTER BAG
- AUTOMATIC REVERSE JET-PULSE FOR FILTER CLEANING
- FULLY-AUTO CATALYST DISCHARGE VIA AIR-LOCK SLIDE GATE VALVES.

**MATERIAL
INLET**



CYCLONE

**SLIDE-GATE
VALVES**

INTERMEDIATE HOPPER

DUST SUCTION HOOD

**AUXILIARY DUST
COLLECTOR**



VACUUM CUT-OFF VALVE

DUST COLLECTOR