

WASTE TYRE PYROLYSIS PLANT



Batch Type RF - 12 (Full Door)

Fabhind Pvt. Ltd. offers a Batch Waste Tyre Pyrolysis Plant designed for efficient recycling of waste tyres into valuable outputs like fuel oil, carbon black, and steel wire. This plant operates in batch mode, providing an eco-friendly solution for managing waste tyres through pyrolysis, a thermal decomposition process in the absence of oxygen. Fabhind's system emphasizes energy efficiency, safety, and minimal environmental impact, making it suitable for industries looking to convert waste into reusable resources.



Waste Tyres



Fuel Oil



Steel Wire



Carbon Black



Pyro Gas



Model : RF-12 (Batch Type)

CAPACITY	: 10 to 12 Tons Per Batch
BATCH HOURS	: 22 to 26 Hours
PYROLYSIS OIL OUTPUT	: 38 To 42 %
CARBON OUTPUT	: 30 to 33 %
STEEL OUTPUT	: 10 % to 15 %

TECHNICAL :

EQUIPMENT TYPE	: Batch Type Plant Model –RF- 12
RAW MATERIAL	: Waste Tyre
ROTATION	: Structural Form Horizontal Rotation
OPERATING PRESSURE	: 0.05–0.2 kg/ bar Auto Control
REACTOR MATERIAL	: B.Q Plate Sa 516 (Grade 70)
ROTATION SPEED OF REACTOR	: 0.4 turn/min [®]
TOTAL POWERT	: 50 HP
MODE OF COOLING	: Circular
COOLING AREA OF CONDENSER	: 45 Sq. Mt
TRANSMISSION MODE	: DOL / VFD Direct Drive Motor
NOISE Db (A)	: ≤85
SIZE OF REACTOR (D*I)	: 7.5 x 2.8 Mt. X 16 MM (Thickness)
DELIVERY TIME	: Within 3 to 4 Weeks
FUEL	: Tyre Pyrolysis Oil , Un condensed Gas
COOLING WATER	: 1000 Liter Day
DE-DUSTING WATER	: 2000 Liter per day
INSTALLATION TIME	: 25–35 Days
LAND REQUIRE	: 4,000 Sq. Yd Min. Required (Without Stock)

FABHIND PVT. LTD. – TECHNICAL SALES & SUPPORT

UNIT - 1 : Plot no.16, Khodiyar Estate, I/s Shakriba Estate, Phase IV, Vatva, GIDC, Ahmedabad- 382445, Gujarat.

UNIT - 2 : Survey No. 98 & 92/2, Near Heavy Metal Tubes, Mehsana-Ahmedabad Road, At. Mandali Ta. & Dist. Mehsana 384130 Gujarat.

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