

RAYMOND® TURBINE CLASSIFIER FOR RS/RP BOWL MILLS

With a 130 years of experience, Raymond is a leader in the design and manufacture of industrial milling and classification equipment.

ADVANTAGES

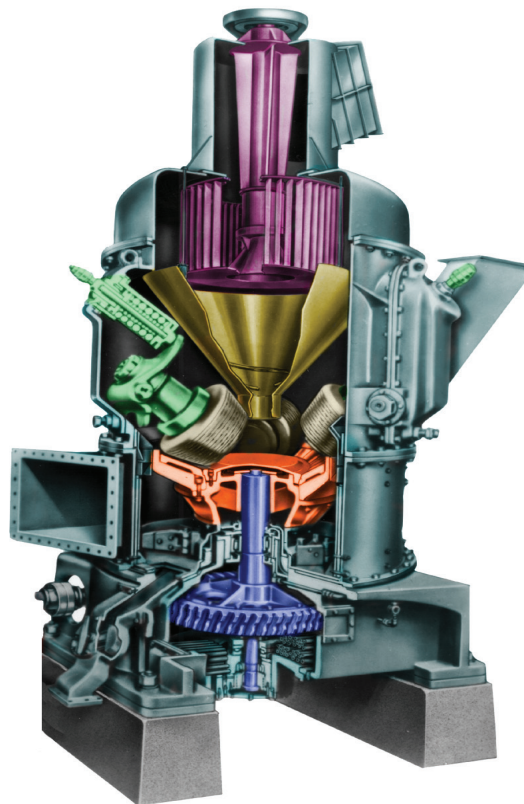
- Achieve more accurate, precise and lower top particle size control.
- Ability to produce a finer pulverized coal product, improving the minus 200 mesh by as much as 10%-15%.
- Achieves more accurate classification, resulting in a steeper particle size distribution.
- Finer pulverized coal burns with a shorter, more intense flame.
- Better flame control results in improved combustion that enhances overall process control and plant efficiency.
- Combustion efficiency that gives the ability to meet environmental regulations.
- Meets NFPA 85F requirements.

Upgrade for Improved Particle Size Control and Higher Fineness for Pulverized Coals and Coke

The Raymond bowl mill is the worldwide industry standard for simultaneously pulverizing, classifying and drying coal and petroleum coke used to fuel cement, lime and power plants, as well as other industrial process applications. Pulverized fuel fineness requirements may range from 70% to 95%, or more, passing 200 mesh (74 microns).

By replacing the standard double cone classifier of the bowl mill with a dynamic turbine classifier, significant advantages that enhance the overall system performance, particularly in meeting the higher fineness specifications of 85% and above passing 200 mesh (<15R 75 microns).

The turbine's rotating components have been designed using the latest mechanical technology, the goal being years of trouble free operations in the difficult environment in which the bowl mill and turbine classifier will be required to operate in. Existing bowl mills, either RB (deep bowl) or RS/RP (shallow bowl) design can be retrofitted with turbine classifiers while adhering strictly to NFPA 85F requirements.



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Raymond Turbine Classifier Specifications

RS/RP Mill Model	Table Diameter	Nominal Airflow	Classifier Power
RS/RP 563	56 in.	12000 ACFM	10 HP
	1425 mm	20000 m ³ h	7.5 kW
RS/RP 623	62 in.	17000 ACFM	15 HP
	1575 mm	29000 m ³ h	11 kW
RS/RP663	66 in.	20000 ACFM	15 HP
	1675 mm	34000 m ³ h	11 kW
RS/RP 703	70 in.	23000 ACFM	25 HP
	1775 mm	39000 m ³ h	20 kW
RS/RP 743	74 in.	27000 ACFM	25 HP
	1875 mm	46000 m ³ h	20 kW
RS/RP 803	80 in.	35000 ACFM	30 HP
	2030 mm	60000 m ³ h	25 kW
RS/RP 863	86 in.	42000 ACFM	40 HP
	2185 mm	71000 m ³ h	30 kW

