



6BBK Barrel Blast



GOFF®
“Blasting Solutions”

FEATURES

Goff “SF” Blast Wheel
PLC Touch Screen Controlled
Air Operated Power Door
Spliced Molded Rubber Mill Belt
15 HP Direct Drive Blast Wheel
14” Airwash Separator

Updated Configuration
Quick Cleaning Cycle
Safety Interlocks
Cast Barrelhead Liners
800 lb. Load Capacity
Upgradeable Options

SPECIFICATIONS—6BBK

	6BBK	816DC
Width	7'3/4"	3'10"
Height	12'8"	6'8"
Depth	6'3"	4'5"
Weight	5800 lbs.	900 lbs.

GOFF AIRLESS BLAST WHEEL

BLAST WHEEL: The direct drive SF blast wheel revolves at 3600 RPM for maximum abrasive velocity. 12" diameter wheel with straight or curved blades is standard. Balanced wheel components assure smooth operation.

BLADES: Cast from abrasive resistant alloy to insure maximum life. Curved or straight blade design provides maximum abrasive control.

CONTROL CAGE: Dial type cage.

BLAST WHEEL HOUSING: Fabricated from 1/4" steel plate. Housing is fully lined with cast interlocking abrasive resistant liners.

CABINET CONSTRUCTION

CABINET: Pitless type, all welded structurally reinforced cabinet is fabricated from 3/8" steel plate and manganese plate.

POWER LOCK DOOR: Electronically controlled with fingertip action. Pneumatically operated air cylinder provides opening/closing action of power door for full access to blast chamber.

MILL CONSTRUCTION

RUBBER TUMBLE BELT: Spliced molded rubber tumble belt has 4 ply construction with 5/16" abrasive drain holes. Raised rubber tumbling ridges are molded directly to belt.

CONVEYOR ROLLERS: Heavy duty rollers have 2" diameter solid shafts and mounted to the cabinet with standard (4) bolt flange bearings.

LINERS: 28" diameter barrelheads are 5/8" abrasive resistant steel with special forged retainer bolts. Tight sealing 3/8" alloy steel cabinet liners are standard.

CAPACITY: 6 cu. feet, 800 pounds nominal.

CONVEYOR SPEED: 12 feet per minute.

MILL BELT JAM PROTECTION: The mill belt is protected by an electronic jam monitor.

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BARREL SIZE: 38-3/4" wide x 28" diameter.
LOAD HEIGHT: 49"

ABRASIVE RECYCLING SYSTEM

ELEVATOR: Centrifugal discharge belt and bucket elevator is dust tight. Bolted removable cover permits service and inspection. All shaft bearings are exterior mounted for extended life. Screw adjusted take-up provide positive belt adjustment.

SCREENING: Primary screen in cabinet protects elevator from large objects. A secondary screen in storage hopper provides positive blast wheel protection.

ABRASIVE REQUIRED: 400 pounds initial charge.

ABRASIVE CONTROL: Fully adjustable air actuated butterfly valve provides precise flow control of abrasive. Totally enclosed design means maximum noise suppression.

SEPARATOR: 14" gravity lip separator has adjustable abrasive spreader and adjustable refuse gate for maximum contaminate removal.

VENTILATION

DUST COLLECTOR: *Optional* Model 816 Cartridge Dust Collector contains eight (8) quantity high efficiency cartridge elements which are automatically self-cleaned with a reverse pulse system. The reverse pulse requires (site supplied) compressed air pressure of 80-100 PSI at a volume of 2 CFM. The direct drive fan mounted 2 HP, 3450 RPM Motor is 230/460 Volt, 3Phase, 60 Hertz and generates 780 CFM of vacuum volume.

ELECTRICS

PLC and Touchscreen, NEMA type 12 electrical enclosure, circuit breaker (no fuse) disconnect switch, thermal overload protection on all motors, 230/460 volt primary, 115 volt secondary control transformer, oil tight push buttons controls. Blast cycle timer controls for abrasive flow and blast wheel motor. Mill lockout for blast pattern test. End cycle alarm signal and hour meter standard.

All motors TEFC, ball bearing, 230/460 volt, 3 phase.

SAFETY FEATURES

Blast wheel operational only when front power door is closed and secure. Automatic power shutdown if internal jamming occurs. Electric solenoid prevents cabinet door from opening during blast cycle.

NOISE LEVEL: Approx. 85 DB.

Specifications subject to change without notice.

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