

Model GPX.DCDual Chamber Disc Style Coffee Grinder



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OVERVIEW

The Model GPX.DC Dual Chamber Disc Style Coffee Grinder has two grinding heads, driven by a common motor, to produce different flavors, blends, or roasts of coffee without the need to clean out the grinder between runs. Each head utilizes a pair of precision cut "diamond hard" grinding plates to produce up to 400 lbs per hour of a full range of coffee grinds. The grinder utilizes a 5 HP (1200 RPM) motor to drive dual rotors, each with an auger feeder and a rotating grinding disc. The rotor also incorporates turbo vanes to maximize throughput and minimize product accumulation within the grinding head.

The gap between the rotating grinding disc and the stationary grinding disc (mounted directly opposite the rotating disc, on the grinder housing) determines the type of coffee grind produced. Turning the grind adjustment knob sets the gap between the grinding discs and provides the capability of "dialing in" any one of a full range of coffee grinds, from drip to espresso.

On "American" style coffees, it may be necessary to utilize the dechaffer on the GPX grinder. By utilizing the weight on the dechaffing arm, back pressure is exerted on the coffee being expelled from the grinder, thereby breaking up the "chaff" (broken coffee skin) which is released when the bean is ground. By moving the weight outward on the dechaffing arm, the back pressure and the resulting level of dechaffing is increased. When producing very fine coffees (melitta, espresso, turkish), the dechaffing level should be minimized or, in some cases, eliminated by removing the weight.

Each grinding head is operated separately; it is not possible to grind using both heads at the same time. Automatic feed gates are included on each grinding head, the gates open and close automatically to supply coffee to the grinding head that is in use.

PRIOR TO OPERATION FOR THE FIRST TIME

Motor rotation should be checked prior to operation for the first time.

- 1. Open head #1 gate using the switch on the control panel.
- 2. Press the "Head 1 Grinder Start" button.
- 3. The head should rotate clockwise as viewed from the head #1 discharge end. The rotor can be seen by looking down through the open slide gate.



OPERATION AND MAINTENANCE

Because of its uncomplicated design, the GPX.DC grinder is relatively simple to operate. In preparation for grinding coffee, simply fill the hopper with the desired amount of beans, set the dechaffer arm weight*, "dial in" the desired grind on the grind adjustment knob, and place the feed gate control switch in automatic.

CAUTION!

TO AVOID GRINDER DAMAGE, THE GRINDER MUST BE ALLOWED TO COME TO A COMPLETE STOP (~10 SECONDS) PRIOR TO STARTING THE OPPOSITE HEAD

To start grinding, simply press the Start button for the grinding head. The motor will start and the feed gate will open automatically.

To stop grinding but leave the grinding head running, turn the gate control knob to close. This is useful when filling small bags, for example. It is preferred to open and close the feed gate rather than start and stop the motor.

When the grinding run is complete, lift the dechaffer arm to remove any excess coffee, and press the Stop button. The feed gate will shut automatically.

To switch grinding heads, simply stop the grinder and restart the other head.

* As a starting point, the dechaffer arm weight should be set at 1/2 the arm distance for medium to coarse grinds, and at the bottom of the arm (fully toward the machine) for finer grinds.

Gate Control Switch

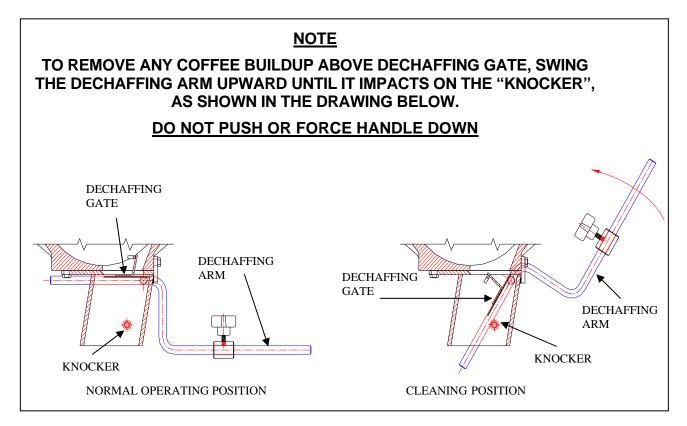
The feed gate control switch has three positions.

Open – The feed gate will open when the grinding head is in use.

Close – The feed gate stays closed.

Auto – The feed gate automatically opens when the grinding head starts and automatically shuts when the head stops.





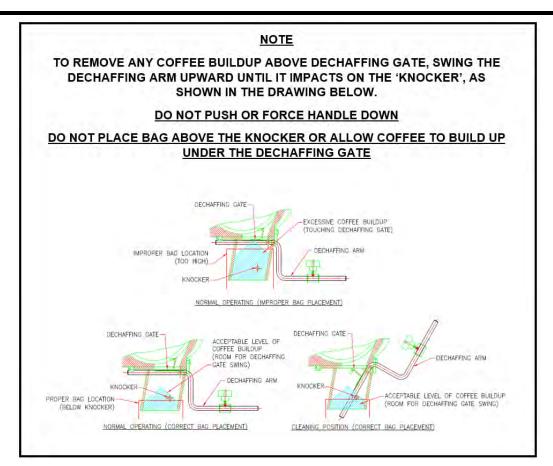
To change the grind range on the grind adjustment knob, loosen the knob set screws, rotate the adjusting screw in the middle of the knob (Clockwise=Finer) to the desired point, and retighten the knob set screws.

CAUTION!

LOCK OUT OR DISCONNECT MOTOR PRIOR TO ATTEMPTING WORK, REPAIR OR REMOVAL OF COVER FROM THIS UNIT.

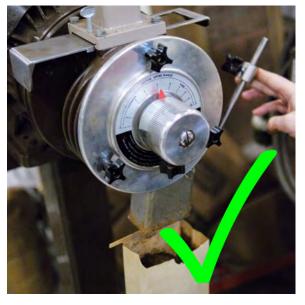
On occasion, the grinder will require disassembly for cleaning and/or grinding disc replacement. To disassemble, remove the front cover after first removing the (3) front cover screw knobs. After the front cover has been removed, the rotor can be pulled out either by hand or by utilizing "ejector screws" on the rotor insert (part #11 on drawing SG-4395C) which, when screwed in, act against the motor shaft to force the rotor out. Refer to drawing SG-4395C for further details on the internal construction of the grinder.







Don't push down on the dechaffing arm as this may damage the dechaffing gate.



Do lift up the dechaffing arm and lower the coffee bag at the end of grinding. This empties the burr housing.







Video on how to use and not use a dechaffing gate.





MPE webpage for troubleshooting common GPX issues.





How to install a dechaffing gate and add a dechaffing arm.



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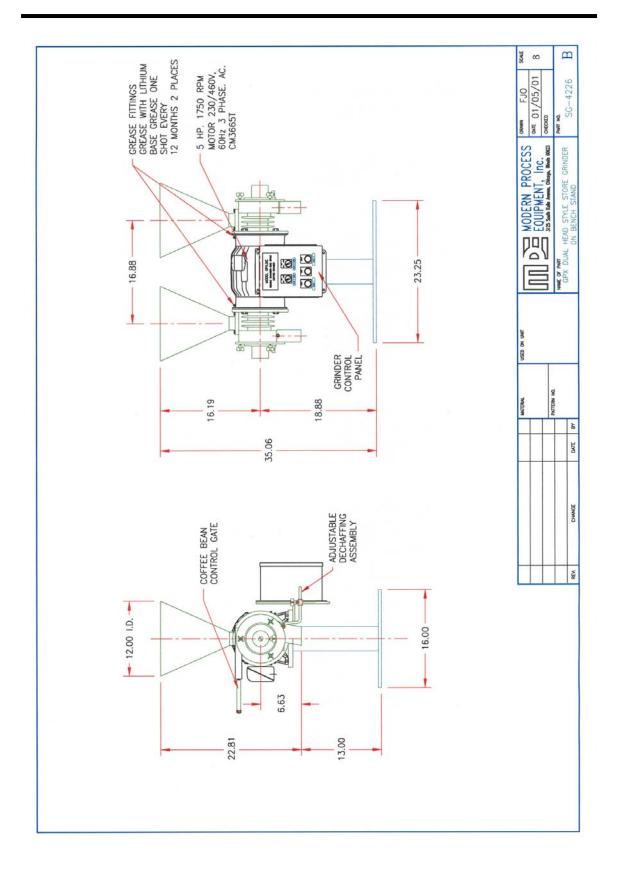




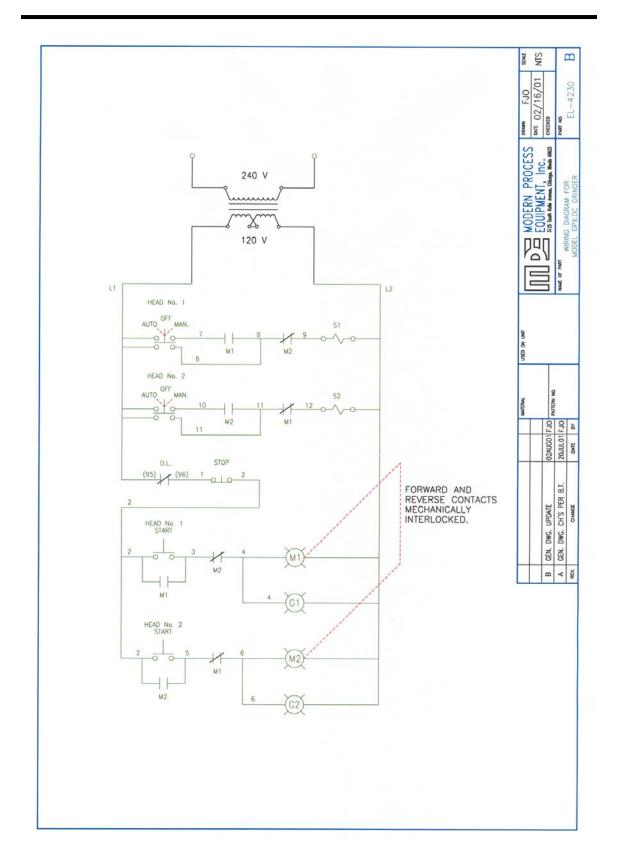
Drawings

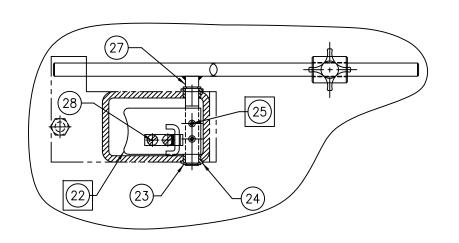
GPX Dual Head Style Store Grinder on Bench Stand	SG-4226B
Wiring Diagram for Model GPX.DC Grinder	EL -4230B
GPX Dual Head Style Store Grinder on Stand with	
8/50 lb. Hoppers	SG-4308C
Model GPX.DC Disc Style Grinder Part List	SG-4395C







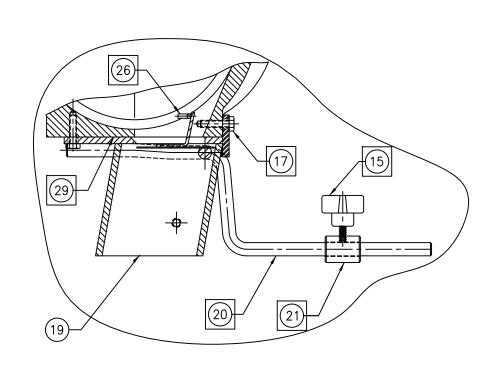


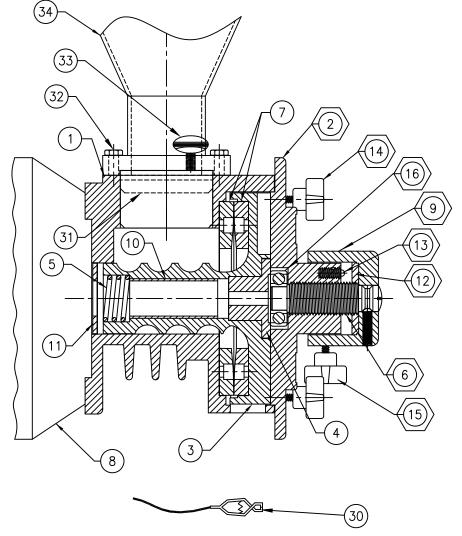


ITEM	QTY	PART #	HP	RPM	FRAME	VOLTS	PHASE	HZ	1	1	3-SG-00855	BURR HOUSING (56C FRAME)
	1	MOT-1272	3	1725	182TCZ	208/230/460	3	60	2	1	3-SG-00856	END CAP
8	1	MOT-1291	3	1725	184TCZ	220	1	60	3	1	5-SG-12263	ROTOR W/ BUSHING & INSERT
	1	MOT-1354	3	1425	182TCZ	380	3	50	۰	1	5-SG-12912	TURKISH ROTOR W/ BUSHING & INSE
				НО	PPERS				4	1	3-SG-00858	ROTOR INSERT
ITEM	QTY	PART #			DESCRIPTION				5	1	MEC-1656	SPRING
	1	5-SG-01353-	02	TRANS	ITION - H	OPPER 8LB SS			6	1	3-SG-00891	ADJUSTING SCREW
34	1	5-SG-04310-	2	TRANS	ITION - H	OPPER 25LB SS			7	1	5-SG-12342	GRINDING BURS
	1	3-SG-04311-	02	TRANS	ITION - H	OPPER 50LB SS			′	1	5-SG-12478	TURKISH GRINDING BURS
					-	- 1		MOTOR (SEE CHART TO THE LEET)				

ITEM QTY

MOTORS





1 1 1 1 1 1 1 4 1	HAR-1802	TURKISH GRINDING BURS MOTOR (SEE CHART TO THE LEFT) BALL BEARING SKF 6203 2RS BUSHING — SINTERED BEARING 1"ID x 1-1/8" OD x 2-1/2" THRUST WASHER — 1" x 2" x 1/8" THK DETENT PLATE
1 1 1 1 1 4	MEC-1055 MEC-1862 HAR-1708 HAR-1802 HAR-1800	BALL BEARING SKF 6203 2RS BUSHING - SINTERED BEARING 1"ID x 1-1/8" OD x 2-1/2" THRUST WASHER - 1" x 2" x 1/8" THK
1 1 1 1 4	MEC-1862 HAR-1708 HAR-1802 HAR-1800	BUSHING — SINTERED BEARING 1"ID x 1-1/8" OD x 2-1/2" THRUST WASHER — 1" x 2" x 1/8" THK
1 1 1 4	HAR-1708 HAR-1802 HAR-1800	2-1/2" THRUST WASHER - 1" x 2" x 1/8" THK
1 4 1	HAR-1802 HAR-1800	
1 4 1	HAR-1800	DETENT PLATE
4		
1	UAD 1901	SPRING PLUNGER SSS-59-N
	HAK-1001	4 PRONG HANDLE/PLASTIC KNOBS
1	HAR-1803	4 PRONG FLUTED PLASTIC KNOBS
ı	3-SG-01419	DIAL INDICATOR KNOB
1	HAR-1703	1/4"-20 x 1/2" HEX BOLT
_	_	_
1	3-SG-11487	DISCHARGE SPOUT
1	3-SG-11488	Ø3/8 CRR CTWT ROD
1	3-SG-11511	Ø3/4 x 13/32 ID x 1 CTWT
1	3-SG-11490	GATE — FOR DECHAFFER
2	MEC-1579	RETAINING RING
2	MEC-1580	FLANGED BUSHING
2	HAR-1154	6-32 x 1/4" PHILLIPS HEAD
1	3-SG-11489	GATE KNOCKER
1	MEC-1578	BUSHING
1		8-32 x 1/4" SLOT HEAD
1	MAT-1005	BROWN FELT
1	HAR-1809	ALLIGATOR WIRE CLIP (GROUND)
1		MANUAL SLIDE GATE
4	HAR-1237	1/4"-20 x 1-1/4" BOLT+LOCK WASHER
1	HAR-1567	1/4"-20 x 1" THUMB SCREW
1	_	HOPPER (SEE CHART TO THE LEFT)
	F	OLLOWING ITEMS ARE NOT SHOWN
1	5-SG-12351	CONTAINER - TOTE ASSY. WITHOUT SNOUT
1	5-SG-12350	CONTAINER - TOTE ASSY. WITH SNOUT
1		SNOUT FOR PLASTIC COVER
1	3-SG-01625-2	SNOUT FOR PLASTIC COVER — ELONGATED FOR CASTERS
3	HAR-2021	CASTER
1	ELE-1476	ELECTRICAL — STARTER BOX 3PH, 3HP, 220V, 60HZ
1	ELE-1582	ELECTRICAL - STARTER BOX 1PH, 3HP, 220V, 60HZ
1	HAR-1997	GRATE MAGNET
1		BAG HOLDER PAN
1	5-SG-12255	GPX DECHAFFER ASSEMBLY
1	5-SG-12253	DIAL PLATE ASSEMBLY
	1	1 HAR-1703

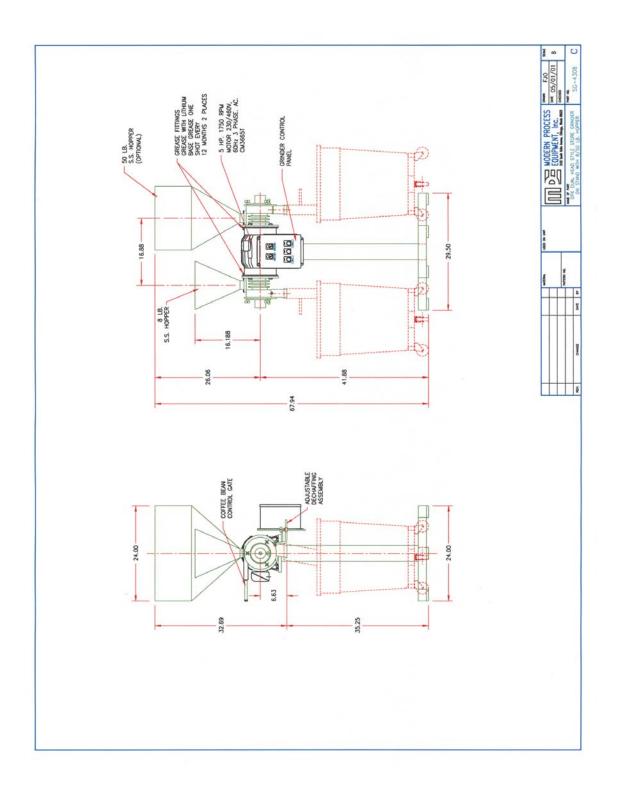
DESCRIPTION

NOTES:

- REFERENCE DRAWING 5-SG-02520
 BALLOONS MARKED WITH ☐ ARE INCLUDED WITH 5-SG-12255.
 BALLOONS MARKED WITH ARE INCLUDED WITH 5-SG-12253.

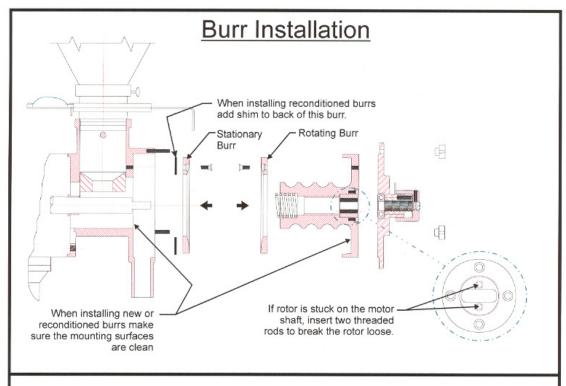
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				PROJECT NO.	MODERN PROCESS ESR SCALE NTS EQUIPMENT, INC. DATE 4/40/00 SHEET NO.
				USED ON UNIT GPX	3125 S KOLIN AVE, CHICAGO, IL 60823 4/10/23 10F 1 CHECKED SHEET SIZE
				MATERIAL MATERIAL	PH +1(773)254-3929 FX +1(773)254-3935 B TITLE MODEL GPX DISC STYLE
RE\	CHANGE	DATE	BY		COFFEE GRINDER SPARE PARTS LIST GPX-SP-01



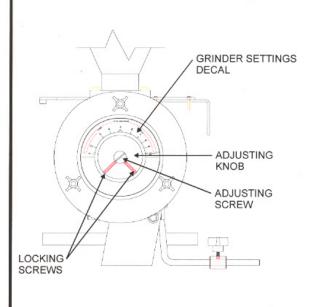








Zero Adjust Procedure



- After fully assembling grinder, turn grinder on.
- 2. Loosen locking screws
- 3. Rotate the knob to grind setting No. 10.
- With a screwdriver turn adjusting screw clockwise until burrs touch lightly.
- 5. Tighten locking screws.
- For GPX grinders turn knob counterclockwise to grind setting No. 8, For GPC grinders turn knob counterclockwise to grind setting No. 9.
- With a screw driver hold the position of the adjusting screw, then loosen the locking screws.
- While still holding the position of the adjusting screw, turn the knob to grind setting No. 10.
- 9. Tighten locking screw.
- 10. The grinder is now adjusted to the original factory settings.