



COOKER/MIXERS

FLOOR MOUNTED INCLINED AGITATOR GAS MODEL DHT

Cooker/Mixer shall be a Groen Model DHT-40 or 60(C,A), 1NA/2 gallon (specify 40- or 60-gallon) stainless steel, self-contained, 2/3 steam jacketed unit operating from a gas heated steam source contained within unit and complete with console mounted tilt out inclined agitator mixer.

AVAILABLE MODELS:

- ☐ DHT-40C 1NA/2 (40 GALLON)
- ☐ DHT-40A 1NA/2 (40 GALLON)
- ☐ DHT-60C 1NA/2 (60 GALLON)
- ☐ DHT-60A 1NA/2 (60 GALLON)

CONSTRUCTION: Kettle interior shall be of 316 stainless steel, solid one-piece welded construction. The control console and kettle exterior shall be 304 stainless steel. The kettle body shall be mounted on a heavy duty stainless steel, combination kettle support tilt trunnion which is supported by the polished stainless steel enclosed base. The kettle shall be furnished with heavy duty reinforced rim with a butterfly shaped pouring lip for maximum sanitation and ease of pouring. The base shall be provided with stainless steel tubular legs with adjustable flanged feet. The enclosed support base shall contain a self-locking worm and gear tilt mechanism, controls, etc., and shall be of sanitary drip-proof construction with interior readily accessible for installation or maintenance. Unit includes 2" TDO, 5-gallon etch markings and faucet mounting bracket.

FINISH: Interior of kettle shall be polished to a 180 emery grit finish. Exterior of kettle shall be finished to a bright semi-deluxe finish, ensuring maximum ease in cleaning and maintaining brilliant appearance.

AGITATOR ASSEMBLY: Agitator assembly to be designed to thoroughly fold and blend product with gentle lifting action provided by agitator entering kettle body at an angle. Inclined agitator to be stainless steel tubular frame, complete with shovel-type scrapers. Agitator to be readily removable for ease of cleaning and maximum sanitation. Unit driven by a gear motor through an electronic variable speed control. Motor is completely enclosed-type with a cast iron housing, helical bevel gearing and right angle shaft down. Motor drive is mounted on a stainless steel channel that manually hinges out to the right side of kettle. Unit to be equipped with a spring assist for agitator tilt-out. A positive quick-acting lock and latch mechanism to be provided to secure the agitator when it is in the kettle.

ASME CODE & UL LISTING: Unit shall be ASME shop inspected, stamped and registered with

the National Board for operation up to a maximum working pressure of 50 PSI. Kettle is UL listed. Kettle shall be design certified by CSA America for use with natural gas or LP gas.

SANITATION: Unit shall be designed and constructed to meet NSF requirements, and be NSF listed.

SELF CONTAINED STEAM SOURCE:

Kettle shall have a gas heated (natural or propane) self-contained steam source to provide kettle temperatures of 150°F to approximately 295°F. Unit shall be factory charged with water and rust inhibitors to ensure long life and minimum maintenance.

CONTROLS: Controls to be located in right-side water resistant (IPX6 rated) trunnion enclosure: **Classic -C Models** include: Power ON-OFF switch with indicator light, temperature control knob with 1 to 10 increments, HEAT(ing) indicator light and LOW WATER warning light. **Advanced -A Models** include: Power ON-OFF switch with indicator light, temperature & time set knob, HEAT(ing) indicator light, LED display of set heat level or cook time, buttons for reset of Low Temp and High Temp presets, MANUAL mode button for knob-setting of heat level, and TIMER set button with indicator light. The agitator has on-off and variable speed control switch.

SAFETY FEATURES: Kettle shall have safety cut-off (cuts off heat when tilted to an angle above 10 degrees), pressure relief valve, high limit pressure switch and low water cut off, 24V control system, and agitator safety tilt cut off.

INSTALLATION REQUIREMENTS: Specify natural or propane gas. Unit requires 1/2" NPT gas line connection, 115 volt, 60Hz power for kettle and 208 volt (3-phase only) power for agitator motor. No remote steam source required.

ORIGIN OF MANUFACTURE: Designed and manufactured in the United States.

PROJECT NAME:

LOCATION:

ITEM NO:

QTY:

MODEL NO:

AIA NO:

SIS NO:

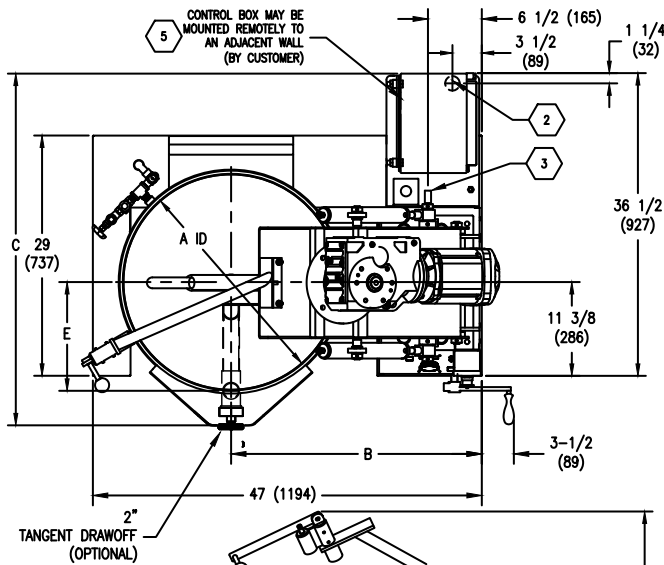


OPTIONS/ACCESSORIES:

- ☐ Disk strainers (not to be used with agitator)
- ☐ 240, 480 Volt power supply (for agitator motor)
- ☐ Kettle brush kit
- ☐ Pan carrier
- ☐ Gallon master
- ☐ Basket insert
- ☐ Lip strainers
- ☐ Contour measuring strips



P/N 176805 REV A



NOTES:

1. ELECTRICAL POWER CONNECTIONS, KETTLE
7/8" DIAMETER HOLE (BACK SIDE).
115 VOLT/1PH/60HZ, 5 AMPS
2. ELECTRICAL POWER CONNECTION, AGITATOR
1-3/4" DIAMETER HOLE (BOTTOM SIDE).
3. GAS INLET CONNECTION, KETTLE
1/2" NPT.
4. AGITATOR MOTOR SPEED SELECTOR SWITCH.
5. CONTROL BOX MAY BE REMOTELY MOUNTED
(BY CUSTOMER) IF DESIRED.

KETTLE FIRING RATE FOR BOTH NATURAL & PROPANE GAS			
40 GAL. (150 L)	100,000 (BTU/HR)		
60 GAL. (230 L)	150,000 (BTU/HR)		
OPERATING GAS PRESSURE			
NATURAL GAS	PROPANE		
3.5 W.C.	10.0 W.C.		

INCOMING GAS PRESSURE		
GAS TYPE	MIN. GAS PRESSURE	MAX. GAS PRESSURE
NATURAL	4.5 W.C.	14.0 W.C.
PROPANE	11.0 W.C.	14.0 W.C.

TABLE OF DIMENSIONS					
MODEL	40 GAL. 150 L	60 GAL. 230 L			
DIM.	INCH	MM	INCH	MM	
A	26	660	30	762	
B	30 1/4	768	32 1/4	819	
C	42 3/4	1086	44 1/4	1124	
D	46 7/8	1191	50 1/4	1276	
E	13 1/8	333	13 1/8	333	
F	34 3/4	883	38 1/2	978	
G	13 7/8	352	17 5/8	448	
H	57 1/8	1451	57 1/8	1451	
J	57 1/2	1460	61 1/2	1562	
K	78 1/8	1984	81 3/8	2067	
L	13 7/8	352	18 3/4	476	
M	13 1/4	336	10 1/4	260	

		AGITATOR MOTOR SPEED		ELEC. LOAD RATING		
		RPM	MAIN	H.P.	208V 3PH/240V 3PH	480V 3PH
40 GAL.	MAXIMUM	36	1-1/2	5 A	4.55 A	2.28 A
	MINIMUM	8	3/4	6.3 A	5.7 A	2.83 A
60 GAL.	MAXIMUM	36	2	6.8 A	6 A	3 A
	MINIMUM	8	1	4.7 A	4 A	2 A

