

# LP PORTABLE TO LP PIPED SYSTEMS KIT AGCKLPP



## APPLICABLE APPLIANCES:

GRILLS - GABR / GSBR / GMBR / EAB / EABR / EMB / EMBR  
SIDE BURNER - AGB / AEB

## IMPORTANT - READ ALL INSTRUCTIONS BEFORE YOU BEGIN

THE INSTRUCTIONS HEREIN SHOULD BE PERFORMED BY A QUALIFIED SERVICE TECHNICIAN. THE APPLIANCE MUST BE COMPLETELY COOL AND THE PREVIOUS GAS SOURCE MUST BE SHUT OFF OR REMOVED BEFORE ATTEMPTING INSTALLATION.

Some parts inside your grill or side burner have sharp edges. Care must be taken when handling the various components to avoid personal injury. Wear gloves when handling.

## TOOLS REQUIRED:

Work gloves  
Safety glasses  
Phillips screwdriver  
Pipe wrench or large slip-joint pliers  
Adjustable Wrenches (2)  
Thread sealant

### **DANGER**

If you smell gas:

1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. Open lid.
4. If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department.

### **DANGER**

1. Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.
2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

### **WARNING**

IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.

### **WARNING**

Flammable Gas - disconnect all propane or natural gas supplies to this unit before servicing.

### **WARNING**

Electrical Parts & Components – disconnect all power supplies and batteries before servicing.

READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE USING YOUR GRILL TO REDUCE THE RISK OF FIRE, BURN HAZARD, OR OTHER INJURY. KEEP THIS MANUAL FOR FUTURE REFERENCE.

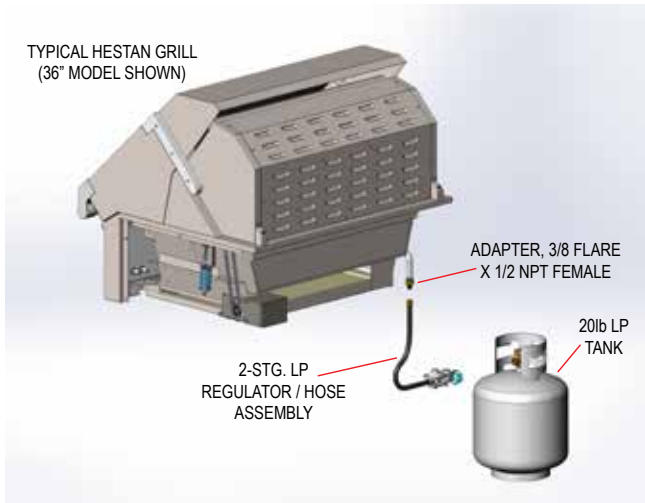


## CHANGING REGULATOR (FOR UNITS WITH PORTABLE LP TANKS)

An LP piped system is one with a large central LP tank that feeds an entire household. These systems are normally equipped with a high pressure regulator by the large LP tank, and low pressure regulators close to the home.

This kit is to be used if your Hestan or Aspire grill or side burner was already supplied with a 2-stage LP regulator / hose assembly. The kit includes a special regulator for use with LP Piped systems.

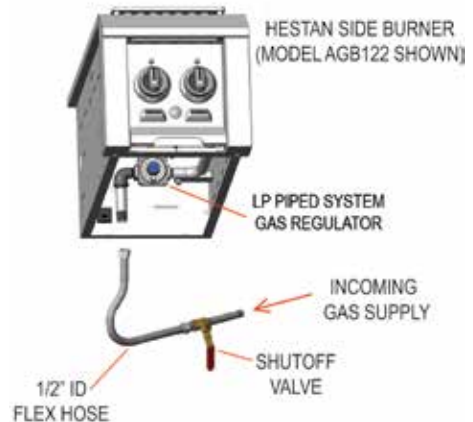
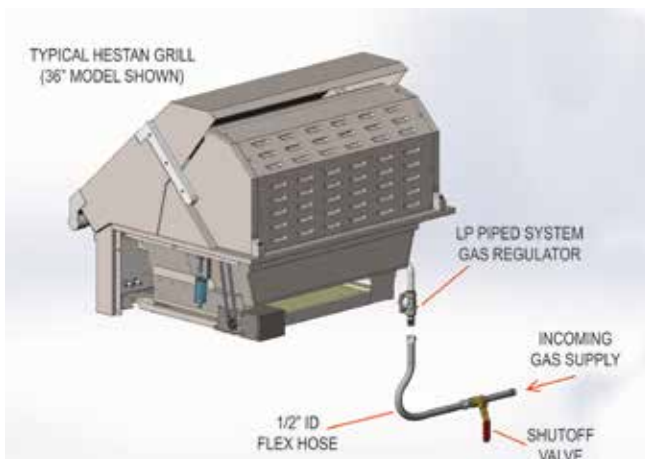
1. As shown below, disconnect the small LP tank, remove the hose assembly, and remove the brass adapter fitting from the manifold pipe at the rear of the appliance.



**NOTE:** If you have a Hestan or Aspire Side Burner inter-plumbed with a Grill, you will follow these same instructions.

2. Install the new LP PIPED SYSTEM regulator as shown below. Connect to your LP Piped System using a minimum 1/2" diameter flexible (semi-rigid) stainless steel gas hose. The gas line connectors must comply with the *Standard for Connectors for Outdoor Gas Appliances and Manufactured Homes, ANSI Z21.75 • CAS 6.27*, and suitable for outdoor installation. The connection shall be 6 feet (1.82 m) or less.

**NOTE:** To ensure proper heating performance of this appliance, verify that the supply pressure is adequate (11.0" WC supply pressure is preferred) to maintain 10.0" WC manifold pressure.



# TESTING & ADJUSTMENT



## LEAK TESTING

### GENERAL

A complete gas tightness check must be performed of all gas-carrying components due to possible movement during installation, or excessive pressure unknowingly being applied to parts of the unit.

### BEFORE TESTING

- Do not smoke while leak testing.
- Never leak test with an open flame.
- Make a soap solution of one part liquid detergent and one part water for leak testing purposes.
- Apply the solution to the gas fittings by using a spray bottle or a brush.
- For LP units, always check with a full LP cylinder.

### TO TEST

- Make sure all control valves are in the "OFF" position.
- Apply the soap solution described above to all fittings.
- Turn the gas supply on.
- Check all connections from the supply line, or LP cylinder up to and including the manifold pipe assembly.
- Soap bubbles will appear where a leak is present. If a leak is present, immediately turn off gas supply, tighten any leaking fittings, turn the gas supply back on, and recheck.
- If you cannot stop a gas leak, turn off the gas supply and call the dealer where you purchased your grill.
- Do not use the grill until all connections have been checked and do not leak.

**IMPORTANT NOTE - ALWAYS CHECK FOR LEAKS AFTER EVERY LP CYLINDER CHANGE.**

## BURNER / VALVE ADJUSTMENTS

Consult the GAS CONNECTIONS section of your Hestan or Aspire outdoor appliance for full instructions on burner adjustments, flame appearance, air shutter adjustment, and valve adjustments. This step is very important to ensure successful burner performance after conversion to a new fuel type, or changing orifices for high altitude locations.

Hestan Grill Orifice Chart

Equipment	Burner Type	Gas Type	Rate Per Burner (Btu/hr)	ORIFICE SIZE			Air Shutter Opening (inch)
				Sea Level - 1999 ft (609m)	2000 ft (609m) - 5999 ft (1829m)	6000 ft (1829m) - 10000 ft (3048m)	
30" Hestan Grill	Trellis Burner	NG	25,000	42	43	45	5/16
		LP	25,000	53	54	55	3/8
	Sear Burner	NG	25,000	42	43	45	N/A
		LP	22,000	54	55	56	N/A
	Rotiss	NG	12,000	51	52	53	N/A
		LP	11,000	60	62	64	N/A
36" Hestan Grill	Trellis Burner	NG	25,000	42	43	45	5/16
		LP	25,000	53	54	55	3/8
	Sear Burner	NG	25,000	42	43	45	N/A
		LP	22,000	54	55	56	N/A
	Rotiss	NG	14,000	50	51	52	N/A
		LP	13,000	57	59	62	N/A
42" Hestan Grill	Trellis Burner	NG	25,000	42	43	45	5/16
		LP	25,000	53	54	55	3/8
	Sear Burner	NG	25,000	42	43	45	N/A
		LP	22,000	54	55	56	N/A
	Rotiss	NG	18,000	45	47	49	N/A
		LP	18,000	56	57	59	N/A



### Aspire Grill Orifice Chart

Equipment	Burner Type	Gas Type	Rate Per Burner (Btu/hr)	ORIFICE SIZE			Air Shutter Opening (inch)
				Sea Level - 1999 ft (609m)	2000 ft (609m) - 5999 ft (1829m)	6000 ft (1829m) - 10000 ft (3048m)	
30" Aspire Grill	U-Burner	NG	23,000	<b>43</b>	<b>44</b>	<b>47</b>	1/4
		LP	23,000	54	55	56	3/8
	Sear Burner	NG	23,000	<b>43</b>	<b>44</b>	<b>47</b>	N/A
		LP	23,000	54	55	56	N/A
	Rotiss	NG	12,000	<b>51</b>	<b>52</b>	<b>53</b>	N/A
		LP	11,000	60	62	64	N/A
36" Aspire Grill	U-Burner	NG	23,000	<b>43</b>	<b>44</b>	<b>47</b>	1/4
		LP	23,000	54	55	56	3/8
	Sear Burner	NG	23,000	<b>43</b>	<b>44</b>	<b>47</b>	N/A
		LP	23,000	54	55	56	N/A
	Rotiss	NG	14,000	<b>50</b>	<b>51</b>	<b>52</b>	N/A
		LP	13,000	57	59	62	N/A
42" Aspire Grill	U-Burner	NG	23,000	<b>43</b>	<b>44</b>	<b>47</b>	1/4
		LP	23,000	54	55	56	3/8
	Sear Burner	NG	23,000	<b>43</b>	<b>44</b>	<b>47</b>	N/A
		LP	23,000	54	55	56	N/A
	Rotiss	NG	18,000	<b>45</b>	<b>47</b>	<b>49</b>	N/A
		LP	18,000	56	57	59	N/A

### Side Burner Orifice Chart

Equipment	Burner Type	Gas Type	Rate Per Burner (Btu/hr)	ORIFICE SIZE		
				Sea Level - 1999 ft (609m)	2000 ft (609m) - 5999 ft (1829m)	6000 ft (1829m) - 10000 ft (3048m)
Single Outdoor Side Burner	Front (main)	NG	20,000	<b>45</b>	47	49
	Front (simmer)	NG		<b>65</b>	66	68
	Front (main)	LP	18,000	56	57	59
	Front (simmer)	LP		75	76	77
Double Outdoor Side Burner	Front (main)	NG	20,000	<b>45</b>	47	49
	Front (simmer)	NG		<b>65</b>	66	68
	Front (main)	LP	18,000	56	57	59
	Front (simmer)	LP		75	76	77
	Rear (main)	NG	10,000	<b>54</b>	55	56
	Rear (simmer)	NG		<b>67</b>	68	70
	Rear (main)	LP	10,000	65	66	68
	Rear (simmer)	LP		76	77	77