

Red Dragon Vapor Torches

VT1-32C Mini Dragon

18,000 BTU/hr. Perfect for smaller jobs around the home and garden. The pin point flame is perfect for precise spot weeding and other small jobs like lighting charcoal, chimineas, campfires and more. Uses disposable propane cylinders (not included). Adjustable flame, durable steel construction. Lightweight and easy to maneuver.

Part no.	Description
VT1-32C	18,000btu Propane torch kit



VT1½-12

50,000 BTU/hr. Fits easily into the tool box for use on a variety of small jobs. Kit includes: torch, UL listed hose, POL fitting, adjusting needle valve and pipe thread compound.

Part no.	Description
VT1 1/2-12C	Vapor torch kit, 10½ handle
VT1 1/2-12	Torch only, 10½ handle
VT1 1/2-0	Torch only, no handle



VT2-6

100,000 BTU/hr. torch. Compact and efficient. Use for thawing pipes, removing paint and bending steel.

Part no.	Description
VT2-6	Torch only, 5½ handle



VT2-23C Weed Dragon

100,000 BTU/hr., adjustable. Comfortable hand grip for lawn and garden weeding. Kit includes: torch, UL listed hose, hand tight-en POL fitting, adjusting needle valve, UL listed regulator and spark igniter.

Part no.	Description
VT2-23C	Lawn/garden torch kit, 23" handle



VT2½-6

400,000 BTU/hr. torch for use in close quarters, a 1/4" pipe elbow may be used to supply fuel from a right angle.

Part no.	Description
VT2 1/2-6	Torch only, 5½ handle
VT2 1/2-0	Torch only, no handle



VT2½-30C

400,000 BTU/hr. utility torch kit. 28-inch handle is just the right length for burning weeds, heating, or melting snow and ice. Kit includes: torch, UL listed hose, POL fitting, adjusting needle valve and pipe thread compound.

Part no.	Description
VT2 1/2-30C	Torch kit, 28" handle
VT2 1/2-30	Torch only, 28" handle



VT2½-24CE

500,000 BTU/hr. economy version of the VT3-30 C. Uses lightweight steel, less paint and thermoplastic hose.

Kit includes: torch, UL listed hose, POL fitting, adjusting needle valve and pipe thread compound.

Part no.	Description
VT2 1/2-24CE	Torch kit, 23" handle

VT3-30C

The perfect all around 500,000 BTU/hr. torch packaged in a complete kit. Ideal for burning weeds and stumps, sterilizing cages, clearing irrigation ditches, heating, thawing and drying, plus numerous other agricultural and industrial uses.

Kit includes: torch, UL approved hose, POL Fitting, adjusting needle valve and pipe thread compound.

Part no.	Description
VT3-30C	Torch kit, 28" handle
VT3-30	Torch only, 28" handle
VT3-0	Torch only, no handle



VT3-12

For special high BTU applications such as pre-heating large castings to welding.

Part no.	Description
VT3-12	500,000 BTU torch only, 11" handle



JET4/JET 8

Pilot flame, with squeeze valve trigger on handle for full flame. Flame length up to 5 feet (JET4) or 6 feet (JET8). For those big jobs which require high heat. Operates at 30 psi to full tank pressure.

Part no.	Description
JET4	Vapor torch only, 1,000,000 BTU/hr., 40½" length
JET8	Vapor torch only, 2,000,000 BTU/hr., 7" length



Red Dragon Roofing Torches

Standup Torch

400,000 BTU/hr., 29" long for standup work. With trigger valve. Lightweight model also available.

Kit includes: torch, gauge, UL approved hose, hand tighten POL, torch bracket, regulator, spark lighter.



Part no.	Description
RT2 1/2-20C	Torch kit
RT2 1/2-20LWC	Lightweight torch kit
RT2 1/2-20	Torch only

Detail Torch

50,000 BTU/hr. Ideal for flashing and detail work. Overall length 15".

Kit includes: torch, gauge, UL approved hose (25 ft.), hand tighten POL, torch bracket, regulator, spark lighter.



Part no.	Description
RT1 1/2-10C	Torch kit
RT1 1/2-10	Torch only

Red Dragon Liquid Torches

High Capacity

Heavy duty, high capacity torch designed for road oil distributors, roofing tar vats and many other uses. Easily disassembled for cleaning. Mounting bracket available.



Part no.	Description
LT3-12	Torch only, no handle, 750,000 BTU/hr.
LT3-12HD	Torch only, no handle, 1,000,000 BTU/hr.

LT2x8 "V Burner"

1,150,000 BTU/hr. V-shaped torch projects a sweeping flame up to 18" wide and 3' long. Mounts on 1" O.D. tool bar. Perfect for row crop cultivation.



Part no.	Description
LT2x8	V-shaped liquid torch

Red Dragon Light Duty Torches

Hand Torch Kit

50,000/hr. torch kit for hobbyists, farmers, mechanics or the serious do-it-yourself worker. Ideal for removing paint, lifting floor tile, soldering, melting, and dozens of other uses.

Kit includes: torch, UL listed hose, POL fitting, adjusting needle valve, pipe thread compound and spark lighter.

Part no.	Description
HT1 1/2-10CR	Torch kit, 10 1/2" handle
HT1 1/2-10	Torch only, 10 1/2" handle



Propane Flares

Electronic Ignition

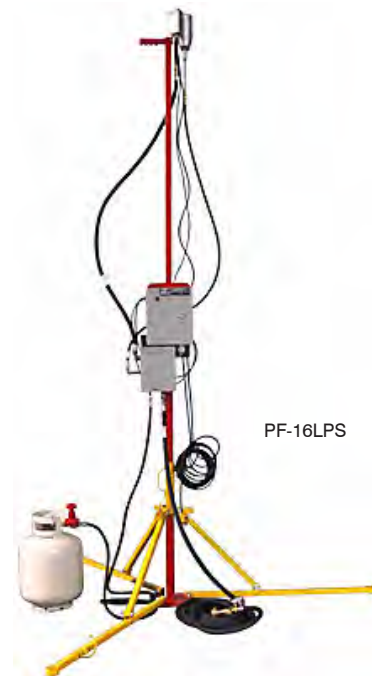
Flare off propane tanks safely & quickly. Electronic ignition & proof of flame. Auto relight attempt - complete shutdown if unsuccessful. Burns liquid or vapor LP-Gas. Flare burner 12' above ground. Requires 115VAC power source.

Part no.	Description
PF-16LPS	1/2" flare, 48,300,000 BTU/hr., 529 gal/hr.

Manual Ignition

Evacuate bulk area tanks, bobtails and other tanks anywhere quickly, safely and without venting raw propane into the atmosphere.

Part no.	Description
PFM-16 LPS	1/2" Manual Flare
PFM-25	25'Hose Extension Kit
PFM-31	Manual Flare Fittings Kit



PF-16LPS

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Red Dragon Accessories

Flame Adjusting Valves

Heavy duty all brass needle valve with Teflon packing and seats. This valve has been tested to 350 pounds and incorporates thumb wheel. Inlet 1/4" FPT, outlet 1/4" MPT.

Part no.	Description
V-334	Flame adjusting valve



Squeeze Valves

An all brass squeeze valve with an adjustable needle valve pilot assembly feature. Seat material is Buna-N. This is a two way high pressure valve, tested to 350 psi working pressure. Repair kits available.

Part no.	Description
V-880 PH-1	Squeeze valve, adjustable pilot



A solid brass bodied valve that provides positive shut-off for any liquid or vapor Red Dragon torches. Trigger operated. 1/4" FPT inlet and outlet.

Part no.	Description
V-6591	Squeeze valve



Manchester Torches

Power Jet

750,000 BTU/hr. torch. Locking finger operated trigger. Stainless steel pilot tip. 3' long, 2¼ lbs. Kit contains burner, 10' LPG hose, adjustable regulator with gauge.

Part no.	Description
8061-S	Power Jet bubble pack kit
8017	Burner only
8520	Handle only
8534	Jet pipe
8533	Control valve only
8535	Pilot bypass pipe only
8536	Pilot tip only
8541	Lever for valve body
8545	Repair kit no. 1
8021	0-100# pressure gauge



8061-S



8017

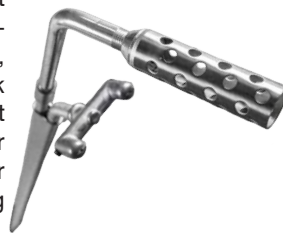
14 Handiboy Burner

Adjustable up to 500,000 BTU/hr. Economy single jet vapor burner. Kit includes 10 ft. of LPG hose, fitting, POL male adapter, and instructions.

Part no.	Description
8062-S	Handiboy burner kit, bubble pack
8053	Burner assembly only
8058	Burner head only
8069	Handle only
V12980	1/4" Brass shutoff valve
A77449	10' LPG hose- POL hand-wheel x 1/4" M. NPT



8062-S



Super 8 Burner

200,000 BTU/hr. 8' long, lightweight heavy-duty burner. Users have the ability to safely and quickly burn weeds, heavy brush and more. Utilizes tank pressure. Adjustable stainless steel pilot and squeeze trigger valve for operator control. Precision balanced twin vapor burner. Steel elbow assembly. Locking finger operated trigger. 8' long, 4 lbs.

Part no.	Description
8012	Super 8 twin jet burner only
8560	Pilot bypass pipe
8564	Jet pipe only
8568	Twin orifice head only

Prices subject to change without notice. Some items may not be in stock at all warehouses or may be special order. Please check with TEECO.

Order Online: www.teecoproducts.com
e-mail: info@teecoproducts.com

L.B. White Hand Held Torches

Torchman Torches

Portable, lightweight torches. Perfect for burning brush, thawing pipes, melting ice and other similar heating uses. No regulator needed. Torchman SV length is 29.5" and Torchman 500 length is 36" (assembled). Weights are 5.2 and 3.5 lbs, respectively. These torches are constructed with a steel head.



TORCHMANSV

TORCHMAN500

Bertha 500 Torch

Heavy duty torch. Perfect for burning brush, thawing pipes, melting ice and other similar heating uses. Assembled length is 22", weight 7 lbs. Cast iron head.



BERTHA500

Industrial Torches

Rugged cast iron construction. Made to thrive in high dust construction environments. Corrosion resistant. Industrial 250 has a cast iron 90° head, assembled length of 17.5" and weighs 7.5 lbs. Industrial 365N has a cast iron head, assembled length of 26" and weighs 10.5 lbs.

Please note: Industrial 250 is for use with propane. Industrial 365N is for use with Natural Gas.



INDUSTRIAL250

INDUSTRIAL365N

Part no.	BTU/hr	Fuel Type	Ignition Type
TORCHMANSV	300,000	LP-Gas	Manual
TORCHMAN500	500,000		
BERTHA500	500,000		
INDUSTRIAL250	250,000	Natural Gas	Pilot
INDUSTRIAL360N	365,000		

Barber Solarflo Burner Assemblies

Exclusive Barber Jet Features

Barber Jets produce up to 432,000 BTU per square foot of burner area. They produce up to 300,000 BTU per cubic foot of burner area. They develop up to 1900°F. temperature. They require no air adjustment. Over 50 sizes accommodate applications needing from 2,500 to 8,000,000 BTU/hr.

General Application Procedures

Though each unit that uses jet burners has some variables, there are certain constants that should be used on all jet burner applications.

1. All air must be introduced under the burners. Air introduced on the same level as the burners will cause a turbulent flame and poor combustion efficiency. Also jet burners need a generous supply of air since the air introduced is for primary as well as secondary air.
2. The use of a baffle to direct all the air underneath the burner proper is also very important. No air should be allowed to go around the burner since this will cause a turbulent flame and cause poor combustion efficiency.
3. The minimum distance from the tips of the jets to the bottom of the heated medium should be approximately as follows depending on the BTU input per jet:

Jet Type	Distance	BTU Input
Impinged Jets	5" (125 mm)	2500 BTU per jet
	9" (225 mm)	5000 BTU per jet
	13" (325 mm)	7500 BTU per jet
	17" (425 mm)	10,000 BTU per jet
Slotted Cap Jets	3" (75 mm)	2500 BTU per jet
	4" (100 mm)	5000 BTU per jet
	5" (125 mm)	7500 BTU per jet

We say "approximately" since there is some variation depending upon the application. These distances, however, prove generally to give the best overall efficiency in most applications.

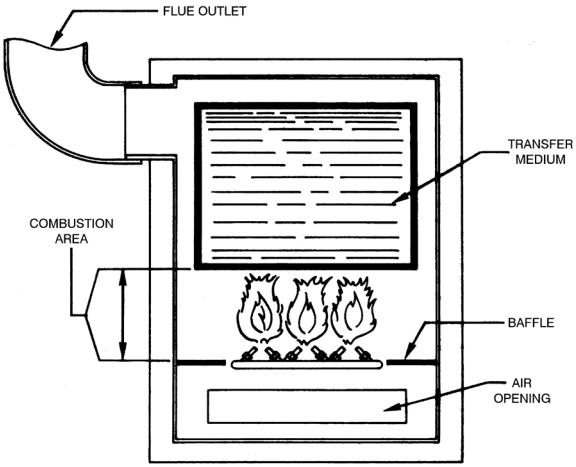
4. Generally the use of a flue is not required on small input applications, however, on larger applications where flue connections are required the outlet must be above the top most part of the combustion area. In fact the higher the flue is located, the better. Also, where relief ports can be provided above the combustion zone level, the use of a flue is generally not required.
5. Combinations of burner units are often required to attain larger inputs than individual units develop.

Ordering Instructions

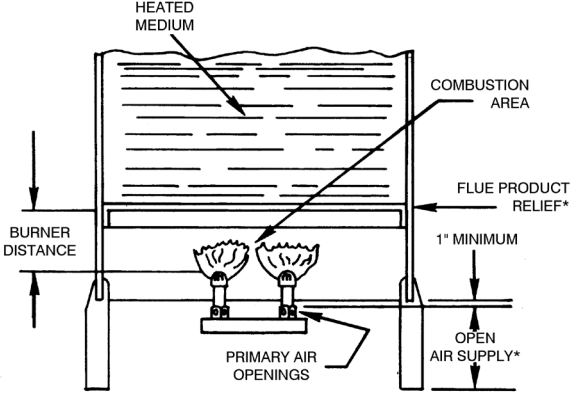
1. Always specify type of gas and gas pressure (btu's) available.
2. Odd numbered burners (e.g. Z-21) have bottom pipe openings, even numbered burners (e.g. Z-20) have side pipe openings, except as otherwise designated.
3. In cases where burner has more than one size pipe opening, please specify size desired.
4. Burners are normally shipped with jets drilled to produce the median BTU input.

For example: An X-10 Burner w/#638 has a capacity of 80,000-208,000 btu/hr. The jets would be drilled for 120,000 BTU. If minimum or maximum rate is required, please specify on order.

NOTICE: Burner assemblies are special order, non-returnable items.



Typical High Input Jet Application With Flue Vent



Typical Low Input Jet Application Without Flue Vent

* For invented types of equipment jets may be applied with outside baffles, however, the combustion air supply must be introduced to the burner(s) at least 1" below the edge of the flue product relief. If relief holes or openings are provided above the burner they may be elevated within the chamber to the recommended distance from the heating surface.

Barber Solarflo Burner Assemblies

Circular, Single Ring

Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
S-10 W/638	20-52	8	5 3/4"	3/8"
S-10 W/640	40-80	8	5 3/4"	3/8"
Side opening.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
S-80 W/638	25-65	10	5 3/4"	3/8"
S-80 W/640	50-100	10	5 3/4"	3/8"
Side opening.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
S-85 W/638	25-65	10	5 3/4"	3/8"
S-85 W/640	50-100	10	5 3/4"	3/8"
Bottom opening.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
Z-10 W/638	30-78	12	8"	3/8"
Z-11 W/638	30-78	12	8"	3/8"
Z-10 W/640	60-120	12	8"	3/8"
Z-11 W/640	60-120	12	8"	3/8"
Even numbered units are side opening, odd are bottom opening.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
Z-20 W/638	50-130	20	8"	1/2"
Z-21 W/638	50-130	20	8"	1/2"
Z-20 W/640	100-200	20	8"	1/2"
Z-21 W/640	100-200	20	8"	1/2"
Even numbered units are side opening, odd are bottom opening.				



Circular, Dual Ring

Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
X-10 W/638	80-208	32	10 5/8"	3/4"
X-11 W/638	80-208	32	10 5/8"	3/4"
X-10 W/640	160-320	32	10 5/8"	3/4"
X-11 W/640	160-320	32	10 5/8"	3/4"
Even numbered units are side opening, odd are bottom opening.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
X-44 W/638	110-286	44	14"	3/4"
X-44 W/640	220-440	44	14"	3/4"
Side opening.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
X-88 W/638	220-572	88	19 3/8"	1", 1 1/4"
X-88 W/640	440-880	88	19 3/8"	1", 1 1/4"
Side opening.				



Rectangular

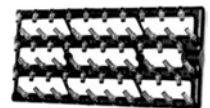
Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
W-36 W/638	90-234	36	9 1/2" x 13"	3/4"
W-36 W/640	180-360	36	9 1/2" x 13"	3/4"
Bottom or side opening, please specify.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
W-48 W/638	120-312	48	13" x 13"	3/4", 1"
W-48 W/640	240-480	48	13" x 13"	3/4", 1"
Bottom or side opening, please specify.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
W-60 W/638	150-396	60	9 1/2" x 20"	3/4", 1"
W-60 W/640	300-600	60	9 1/2" x 20"	3/4", 1"
Bottom or side opening, please specify.				



Part no.	BTU/hr. (1000)	Jets	Dia.	Gas Inlet
W-80 W/638	200-520	80	13" x 20"	1", 1 1/4"
W-80 W/640	400-800	80	13" x 20"	1", 1 1/4"
Bottom or side opening, please specify.				



NOTICE: Burner assemblies are special order, non-returnable items.

Barber Solarflo Burner Assemblies

U-Shaped

Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-8 W/638	20-52	8	4" x 10"	3/8"
U-9 W/638	20-52	8	4" x 10"	3/8"
U-8 W/640	40-80	8	4" x 10"	3/8"
U-9 W/640	40-80	8	4" x 10"	3/8"

Even numbered units are side opening, odd are bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-10 W/638	30-78	12	4" x 14"	3/8"
U-11 W/638	30-78	12	4" x 14"	3/8"
U-10 W/640	60-120	12	4" x 14"	3/8"
U-11 W/640	60-120	12	4" x 14"	3/8"

Even numbered units are side opening, odd are bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-16 W/638	40-104	16	7 1/8" x 10"	3/8", 1/2"
U-17 W/638	40-104	16	7 1/8" x 10"	3/8", 1/2"
U-16 W/640	80-160	16	7 1/8" x 10"	3/8", 1/2"
U-17 W/640	80-160	16	7 1/8" x 10"	3/8", 1/2"

Even numbered units are side opening, odd are bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-24 W/638	60-156	24	7 1/8" x 14"	1/2"
U-25 W/638	60-156	24	7 1/8" x 14"	1/2"
U-24 W/640	120-240	24	7 1/8" x 14"	1/2"
U-25 W/640	120-240	24	7 1/8" x 14"	1/2"

Even numbered units are side opening, odd are bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-29 W/638	70-182	28	7 1/8" x 15 1/2"	1/2", 3/4"
U-29 W/640	140-280	28	7 1/8" x 15 1/2"	1/2", 3/4"

Bottom or side opening, please specify.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-32 W/638	80-208	32	7 1/8" x 16 3/4"	3/4"
U-33 W/638	80-208	32	7 1/8" x 16 3/4"	3/4"
U-32 W/640	160-320	32	7 1/8" x 16 3/4"	3/4"
U-33 W/640	160-320	32	7 1/8" x 16 3/4"	3/4"

Even numbered units are side opening, odd are bottom opening.



U-Shaped

Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
U-44 W/638	110-286	44	7 1/8" x 21 1/4"	3/4", 1"
U-44 W/640	220-440	44	7 1/8" x 21 1/4"	3/4", 1"

Side opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
SU-16 W/638	40-104	16	4" x 16 3/4"	3/8", 1/2"
SU-16 W/640	80-160	16	4" x 16 3/4"	3/8", 1/2"

Side opening.



Special Configuration

Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
A-11 W/638	5-13	2	4" x 1 1/2"	1/4"
A-11 W/640	10-20	2	4" x 1 1/2"	1/4"

Bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
A-20 W/638	10-26	4	4" x 4"	3/8"
A-21 W/638	10-26	4	4" x 4"	3/8"
A-20 W/640	20-40	4	4" x 4"	3/8"
A-21 W/640	20-40	4	4" x 4"	3/8"

Even numbered units are side opening, odd are bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
B-10 W/638	20-52	8	6 1/4"	3/8"
B-11 W/638	20-52	8	6 1/4"	3/8"
B-10 W/640	40-80	8	6 1/4"	3/8"
B-11 W/640	40-80	8	6 1/4"	3/8"

Even numbered units are side opening, odd are bottom opening.



Part no.	BTU/hr. (1000)	Jets	Size	Gas Inlet
Y-11 W/638	15-39	6	5 3/4" x 5 3/4"	3/8"
Y-11 W/640	30-60	6	5 3/4" x 5 3/4"	3/8"

Even numbered units are side opening, odd are bottom opening.



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Barber Solarflo Burner Jets

Impinged Jets

Part no.	BTU/hr. (1000)	Length	Thread
638	2.5 - 6.5	1 3/8"	5/16"-27



Part no.	BTU/hr. (1000)	Length	Thread
640	5-10	1 1/2"	5/16"-27



18 Slotted Cap Jet

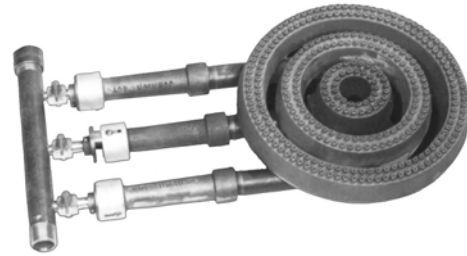
Part no.	BTU/hr. (1000)	Length	Thread
651	2.5 - 3.5	2 1/2"	7/16"-24*
* Also available with 1/8" NPT thread.			



Part no.	BTU/hr. (1000)	Length	Thread
654	2.5 - 7.5	2 3/16"	7/16"-24*
* Also available with 1/8" NPT thread.			



Johnson Atmospheric Ring Burners



Independently controlled concentric ring burners which can be used singly, in pairs, or triple. Separate Johnson venturi mixer and tube with heavy valve on each burner. Valves equipped with direct jet orifice regulator and adjustable hood cap. The center burner has a floor flange so that the burners can be placed any distance from the floor. Double and triple burners are equipped with a 15 1/2" x 1" pipe manifold.

Part no.	Description	BTU	Height	Diameter	Weight
40-A	Single burner	15,000	5 1/4"	4 1/2"	7 1/2 lbs.
40-AB	Double burner	53,000	5 1/4"	8"	17 lbs.
40-ABC	Triple burner	107,000	5 1/4"	12"	35 lbs.