

HEAT-FLO™ BLOW HEATERS (HF15 / HF20 / HF30 / HF50)



HF15 (2620401, 2620401-1)
HF20 (2620402, 2620402-1)



HF30 (2620403)
HF50 (2620404)

DESCRIPTION

Bromic's HEAT-FLO™ blow heaters efficiently provide portable, instantaneous, and economic heat in industrial and outdoor applications.

SKU	Description	Min. Room Volume	Unit Size mm (L x W x H)	Weight
2620401	Blow Heater Heat-Flo HF-15 15kW LPG Hose & Reg	270m ³	520 x 270 x 450	8.95kg
2620401-1	Blow Heater Heat-Flo HF-15 15kW LPG w LCC27 Reg			
2620402	Blow Heater Heat-Flo HF-20 20kW LPG Hose & Reg	360m ³		
2620402-1	Blow Heater Heat-Flo HF-20 20kW LPG w LCC27 Reg			
2620403	Blow Heater Heat-Flo HF-30 30kW LPG Hose & Reg	540m ³	645 x 340 x 500	14.8kg
2620404	Blow Heater Heat-Flo HF-50 50kW LPG Hose & Reg	900m ³	740 x 340 x 500	19.5kg

SPECIFICATIONS

- Certificate of suitability to connect to public electricity in NSW. CS10870N
- Global-Mark GAS-100177-005 Certified (for gas safety)
- Safe: Heaters shut off with loss of flame or power supply
- 1 year **warranty**
- Auto shut off (HF30/50 models have thermal switch)
- HF15/20 models = manual ignition. HF30/50 models = auto ignition
- Electrical schematic and exploded diagram and more are included in the instruction manual

Model	HF 15	HF 20	HF 30	HF 50
Maximum Heat Output	*54 MJ/h	*72 MJ/h	*108 MJ/h	*170 MJ/h
Gas Consumption	1.08 KG/H	1.44 KG/H	2.16 KG/H	3.4 KG/H
Burner type	Single gas burner	Single gas burner	Single gas burner	Single gas burner
Ignition Type	Push button piezo	Push button piezo	PCB controlled Automatic ignition	PCB controlled Automatic ignition
Air Flow	500 m ³ /h	500 m ³ /h	1000 m ³ /h	1000 m ³ /h
Gas Type	Propane (LPG) and Universal (ULPG) gas only	Propane (LPG) and Universal (ULPG) gas only	Propane (LPG) and Universal (ULPG) gas only	Propane (LPG) and Universal (ULPG) gas only
Gas Inlet Connection	¼" G - Left hand thread	¼" G - Left hand thread	¼" G - Left hand thread	¼" G - Left hand thread
Injector Size	0.95 mm	1.15 mm	1.10 mm	1.55 mm
Dimensions (L x W x H)	520mm x 270mm x 450mm	520mm x 270mm x 450mm	645mm x 340mm x 500mm	740mm x 340mm x 500mm
Unit Weight	8.95kg	8.95kg	14.8kg	16.1kg
Operating Pressure	70 kPa	70 kPa	150 kPa	150 kPa
Limit Thermostat Setting	100°C ± 5°	100°C ± 5°	100°C ± 5°	100°C ± 5°
Minimum Room Volume	270m ³	360m ³	540m ³	900m ³
IP Class	IP 44	IP 44	IP 44	IP 44
Electrical	230-240V/ 1φ / 50Hz	230-240V/ 1φ / 50Hz	230-240V/ 1φ / 50Hz	230-240V/ 1φ / 50Hz
Motor Rating	28W / 1430 rpm	28W / 1430 rpm	75W / 1430 rpm	75W / 1430 rpm

HOW TO CHOOSE THE RIGHT HEATER:

1. Check the minimum room volume.
2. Check application - it is designed for construction sites with lots of ventilation.

SPARE PARTS

No.	Description
2620409	Hose 8mm x 1.5M 3/8BSPF LH x 1/4BSPF LH HF30/50
2620440	HF15/20 Blow heater micro flow switch (#45)
2620441	HF15/20 Blow heater hose and regulator kit
2620442	HF30/50 Blow heater thermostat (#8)
2620443	HF30/50 Blow heater hose and regulator kit
2620444	HF30/50 Blow heater flow switch (#26)
2620445	HF30/50 Blow heater Solenoid gas side (#2)
2620446	HF30/50 Blow heater Solenoid injector side (#2)
2620448	HF15/20 Blow heater solenoid pair (#30)
2620450	On/Off Switch HF-15/20/30/50 for Blow Heater
2620454	Gas Solenoid HF 30/50 Blow Heater
2620456	Elbow RP 1/4 RP 1/4 HF-15/20 Blow Heater
2620457	Handle HF-15/20/30/50 Blow Heater
2620459	Fan Blade HF-30/50 Blow Heater
2620460	Fan Blade HF-15/20 Blow Heater
2620462	Gas Regulator HF-30/50 Blow Heater
2620464	Injector Nozzle HF-15/20/30 Blow Heater
2620465	Injector Nozzle HF 50 Blow Heater
2620467	Thermocouple HF-15/20 Blow Heater
2620468	Inlet Grill HF-15/20 Blow Heater
2620469	Inlet Grill HF-30/50 Blow Heater
2620470	Motor Assembly HF-30/50 Blow Heater
2620473	Blow Heater HF15 test point pressure joint Assembly
2620474	Plug & Cord HF30/50 Item 32
2620475	Wheel HF30/50 Item 34

FAQS

Which gas cylinder do I use? The heaters sold with the POL fitting (the HF30 and HF50 models and older HF15 and HF20 models) require a 45kg cylinder as these have been tested and approved to the relevant standards using the 45kg cylinder. The newer models of HF15 and HF20 have type 27 connections and these should be used with a 4.5kg or 9kg cylinder with the new type 27 connection. (The reason the larger ones aren't made for the smaller cylinders is they will only last a couple of hours on them, and possibly freeze due to the high gas flow required).

How does the black dial on the HF30/50 models work? It is a temperature dial. It controls the thermal cut off switch for if the room temperature gets too high. Best to turn all the way up so it doesn't cut the heater off prematurely.

Can you change the temp? No. Each heater has a set gas input and there is only 1 flame. Get a smaller or larger heater size for smaller or larger flame.

How to start the HF15/20 models?

1. Screw hose onto back of heater.
2. Place cylinder behind heater. Screw in connection into cylinder.
3. Check for gas leaks.
4. Plug in electrical cord.
5. Press on/off switch - let fan run for 30 seconds.
6. Open gas valve by holding in button closest to gas inlet (on the left).
7. Press other button (on the right) as many times as it takes to ignite/spark, so that it lights up the heater.
8. Release the gas valve button after 5 seconds of the flame burning - the presence of the flame now keeps the gas valve open.

How to start the HF30/50 models?

1. Screw hose onto back of heater.
2. Place cylinder behind heater. Screw in POL to cylinder.
3. Check for gas leaks.
4. Plug in electrical cord.
5. Press on/off switch - fan turns on, then gas comes through, then sparks - allow 60 seconds

How noisy are they? We do not have official noise data. They are designed for industrial settings, so noise was not a design factor, therefore they are relatively loud.

Do you supply longer hoses? We do not have a longer hose we can offer, only the ones they are supplied with.

Do you supply hoses with bayonet fittings? As per the instruction manual, the inlet gas connection for the blow heater has size ¼" G LH thread. As per our specifications, these blow heaters are designed to be directly connected to the gas cylinder and so are provided with the corresponding hose connection. Unfortunately, we don't have a hose which has the required thread to a bayonet connection.

Can I use this with NG? No. It uses a POL or type 27 connection to an LPG cylinder, not a bayonet connection. This product is designed for LPG and should not be converted.

What clearances do they need? 2.5m from heater outlet. 1.25m from the tops, sides and inlet. Never operate on elevated structures such as platforms or scaffolds.

TROUBLESHOOTING - BLOW HEATER

PROBLEM	POSSIBLE CAUSE	REMEDY
Fan does not work	<ul style="list-style-type: none"> - No electric supply - Fan blade blocked by shell - Flow switch open 	<ul style="list-style-type: none"> - Check heater is on - Adjust motor grid or rear handle screw. - Check flow switch is not impeded, replace if faulty
Ignition failed Piezo model (HF 15 / HF 20)	<ul style="list-style-type: none"> - Igniting cable worn out - Hi voltage module defective - Distance between electrode and burner too large. 	<ul style="list-style-type: none"> - Service with qualified person - Change module - Adjust distance between 3-8mm
Ignition failed Automatic model (HF 30 / HF 50)	<ul style="list-style-type: none"> - Temperature switch set lower than ambient temperature - When power supply cut off and recovery, heater does not automatic start 	<ul style="list-style-type: none"> - Set a target temperature higher than ambient temperature by adjusting thermostat dial (Item 5 of automatic model -refer to page 5) - After power supply cut-off and recovery, the ON-OFF switch (Item 4 of automatic model - refer to page 5) must be manually reset for operation to resume
No gas	<ul style="list-style-type: none"> - Gas cylinder empty - Gas valve on cylinder closed - Gas valve of heater is closed - Gas solenoid shut - Limit thermostat open 	<ul style="list-style-type: none"> - Replace with new cylinder - Check the valve on cylinder is open - Press the button of the gas valve - Ensure solenoid has power, replace solenoid - Check limit thermostat and reset if necessary
Gas leak in inlet line	<ul style="list-style-type: none"> - Leaking regulator / gas hose 	<ul style="list-style-type: none"> - Immediately close the gas connection and check hose and connections in the gas supply line. Replace hose and regulator immediately.
Flame extinguishes while heater is running	<ul style="list-style-type: none"> - Thermo electric element not at operating temperature - Thermostat turns off - Restricted air flow. 	<ul style="list-style-type: none"> - Repeat ignition process. - Allow heater to cool for minimum 5 minutes. - Check heater inlet and outlets and move any obstructions.

END TECHNICAL DATA SHEET