

Blackheat[®] Multiburner

Low-Intensity Radiant Heating System



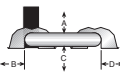
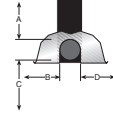
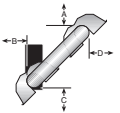
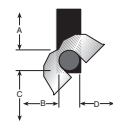
- Reduced building penetrations and installed cost as a result of multiple burners per pump
- Custom engineered systems with a variety of zoning options
- Even heat distribution from vacuum design
- Heats effectively at high mounting heights and in high heat loss environments
- Longer life provided by durable components such as heat treated aluminised tube
- Easy installation with quick fix coupling

BLACKHEAT® MULTIBURNER

Model		BH15	BH20	BH25	BH30	BH35	BH40	BH45	BH50	BH55
Input	[kW]	15	20	25	30	35	40	45	50	55
U-tube Heater Tube Length	[mm]	3531	5055	5055	6579	6579	6579	8103	8103	9627
Linear Heater Tube Length	[mm]	6096	9144	9144	12192	12192	12192	15240	15240	18288
Gas Consumption	[m ³ /h]*									
Natural	[G20]	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8	5.3
Natural	[G25]	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.5	6.1
LPG Butane	[G30]	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4	1.6
LPG Propane	[G31]	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1
U-tube Weight	[kg]	48	62	62	75	75	75	88	88	102
Linear Weight	[kg]	41	55	55	68	68	68	81	81	95
Fuel		NG (G20, G25); LPG Propane or LPG Butane (G30, G31)								
Inlet Pressure	[mbar] NG min.	(G20) - 15, (G25) - 17.5								
	LPG min.	Butane (G30) and Propane (G31) - 32.5								
	NG & LPG max.	50								
Gas Connection	[ISO 7-Rc]	½"								
Electrical Supply		230 V, 50 Hz, 1 Ø, 1 A								
Heat Exchanger Tubing		3 m Sections, 100 mm dia, 16 Gauge, First 3 m Aluminised Steel Tubing (Remaining Heat Treated Aluminised Mild Steel Tubing)								
Exhaust Flue [opt] OD	[mm]	See Exhaust Fan Flue Dimensions Below								
Reflector and End Caps		NS3H14 Aluminium (or 1.4016 2R Stainless Steel as Option)								
Ignition		Fully Automatic, Single Try, Direct Spark, 100% Shut Off Ignition Flame Rectification Module, Volatile Lock-Out								
Approved As		Flueless or Flued								
CE Standard		EN 416								
Accessories		Optional Lockout Indication (Volt Free Contacts)								

*Based on Gross Calorific Value

Clearances to Combustibles ** [mm]

U-tube Models		BH15	BH20	BH25	BH30	BH35	BH40	BH45	BH50/55	Linear Models	BH15	BH20	BH25	BH30	BH35	BH40	BH45	BH50/55
Horizontal 	A	150	150	150	150	150	150	200	200		150	150	150	150	150	150	200	200
	B	890	970	970	1020	1170	1220	1270	1380		890	970	970	1020	1170	1220	1280	1330
	C	1580	1730	1730	1910	1980	2050	2110	2210		1570	1650	1650	1780	1930	1970	2010	2080
	D	760	940	940	1000	1090	1150	1200	1300		890	970	970	1020	1170	1220	1280	1330
45° 	A	200	200	200	200	200	200	200	200		200	200	200	250	250	275	300	300
	B	200	200	200	200	200	200	200	200		200	200	200	200	200	200	200	200
	C	1500	1650	1650	1860	1960	2040	2110	2160		1500	1660	1660	1860	1960	2030	2110	2160
	D	1070	1170	1170	1320	1550	1620	1680	1780		1370	1520	1520	1630	1750	1820	1880	2000

**Clearances B, C and D can be reduced by 50% for locations 7 m or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the Installation, Operation and Service Manual.

Installation Code and Annual Inspections:

All installation and service of ROBERTS GORDON® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Roberts-Gordon and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon recommends that a qualified contractor conduct, at a minimum, annual inspections of your ROBERTS GORDON® equipment and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ROBERTS GORDON® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

This product is not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgement.

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Exhaust Fans

Model		83BWLG	90BWTLG
Weight	(kg)	10.5	12
Electrical Supply		220/240 V, 1 Ø	220/240 V, 1 Ø
Power	(kW)	0.38	0.50
Start	(A)	8.17	13.78
Overload Set Run	(A)	2.05	3.3
Motor		TEFV	TEFV
Flue Dimensions (mm)			
Horizontal		190 x 75 (hole)	190 x 75 (hole)
Vertical		150 (dia)	150 (dia)