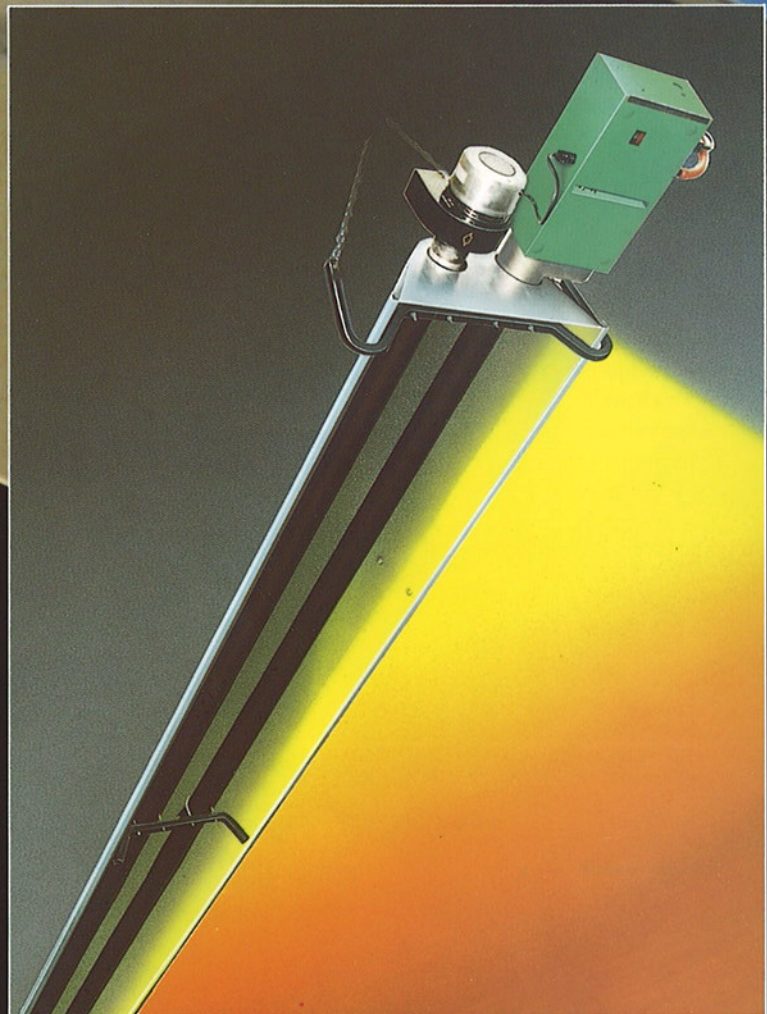


SOVEREIGN
RADIANT
TUBE
HEATERS

SOVEREIGN

Radiant Tube Heaters

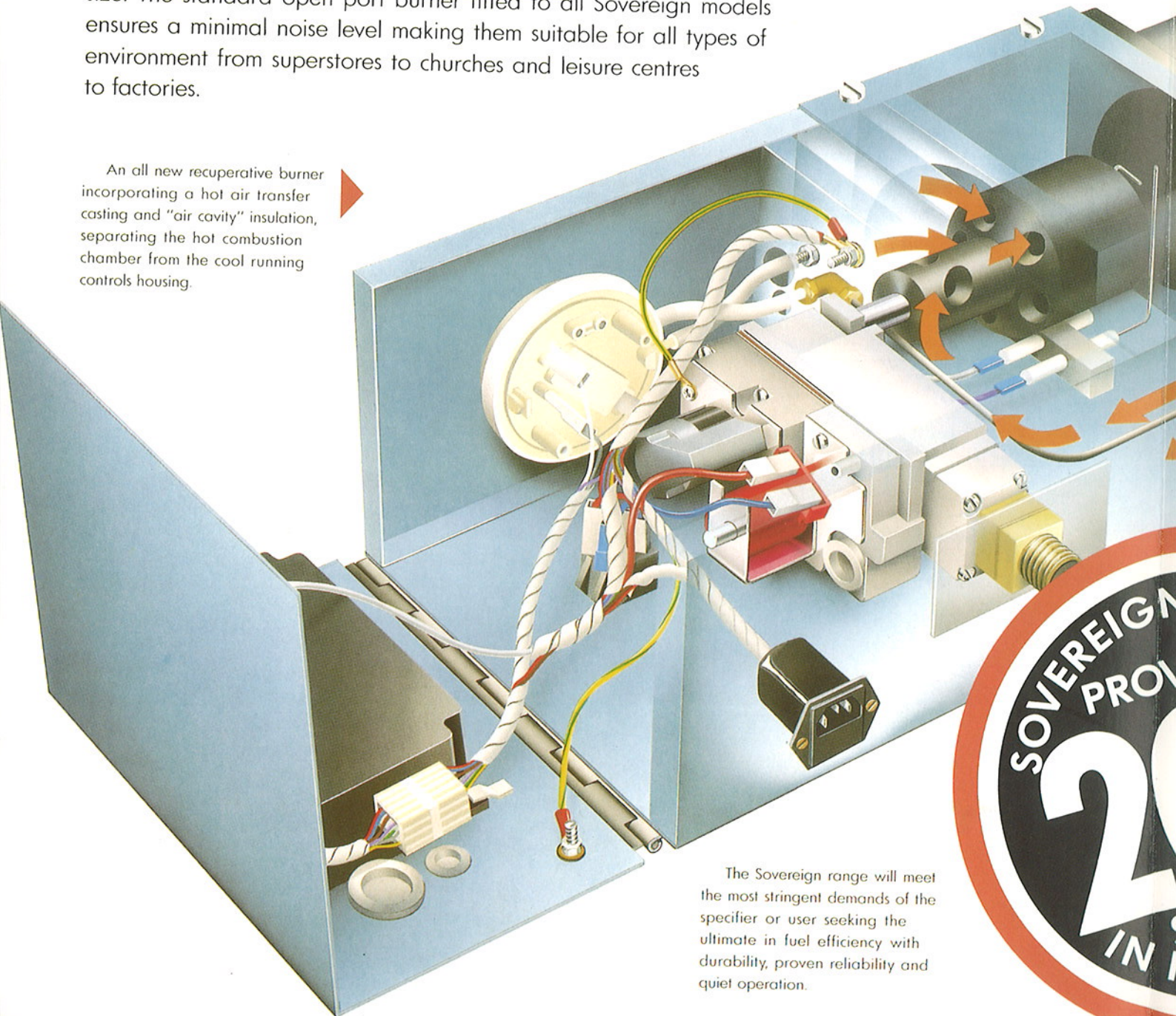
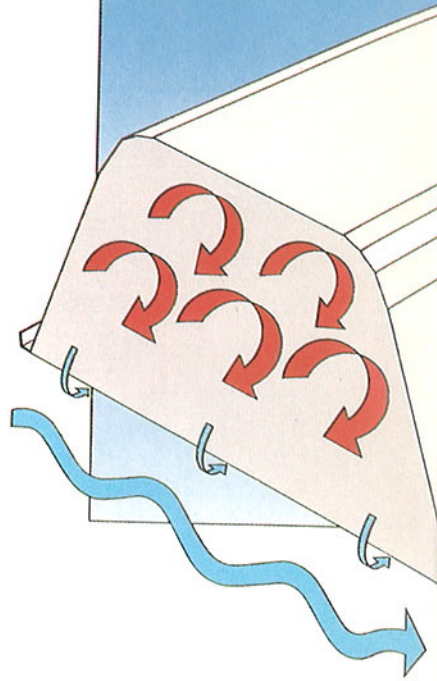


SOVEREIGN

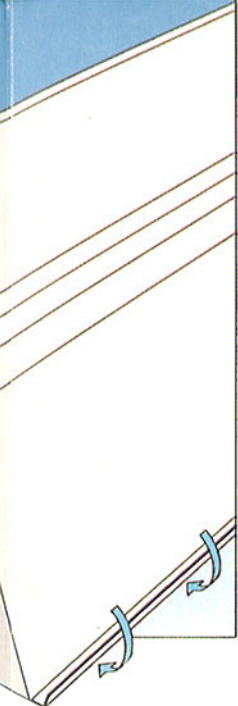
The Sovereign range of overhead gas fired radiant tube heaters has been specifically developed by Ambi-Rad to provide the ultimate solution for those seeking a radiant space heating system offering substantial improvements in output, combined with economy of fuel, flexibility of control, durability and high standards of comfort.

At the heart of this high performance, low noise product range is a sophisticated recuperative burner and deep multi-faceted stainless steel reflector with end caps. Together they reduce gas input by a staggering 20% yet achieve a remarkable radiant output with a flux reading at floor level equivalent to standard "U" tube heaters of similar size. The standard open port burner fitted to all Sovereign models ensures a minimal noise level making them suitable for all types of environment from superstores to churches and leisure centres to factories.

An all new recuperative burner incorporating a hot air transfer casting and "air cavity" insulation, separating the hot combustion chamber from the cool running controls housing.

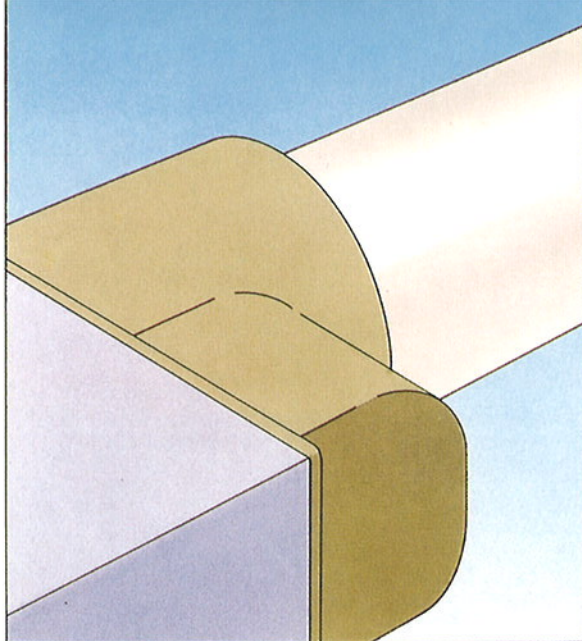


The Sovereign range will meet the most stringent demands of the specifier or user seeking the ultimate in fuel efficiency with durability, proven reliability and quiet operation.

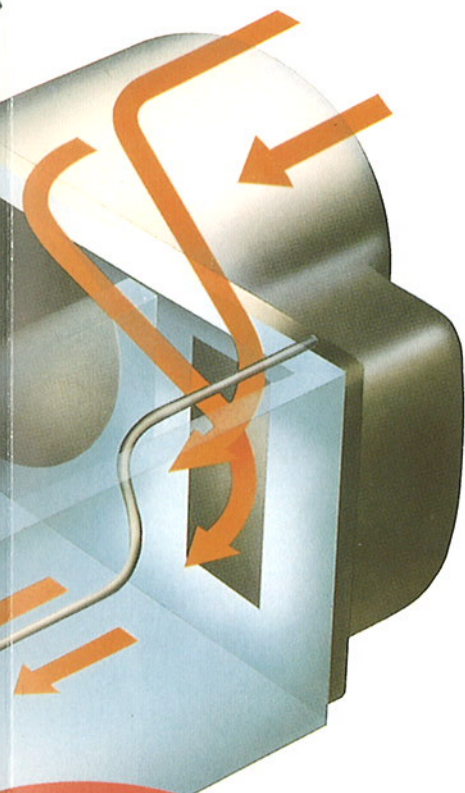


The extra deep stainless steel reflector extends below the level of the tubes to form a deep canopy. The two ends of the reflector are closed in by tight fitting stainless steel end caps so that convective heat rising from the tubes is contained.

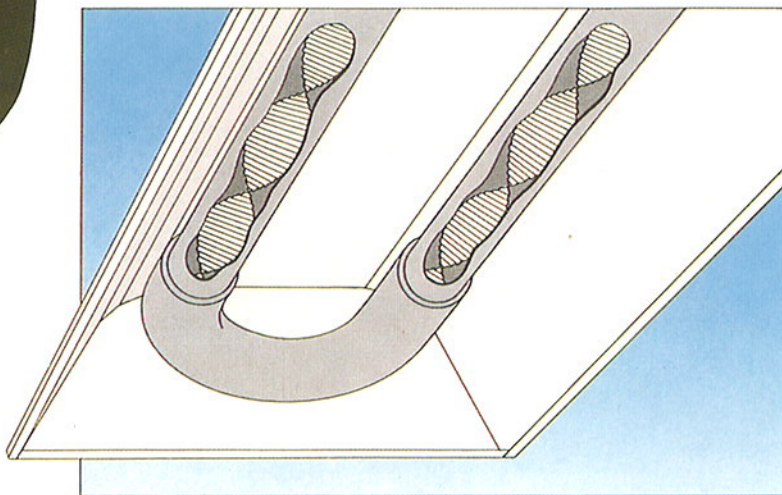
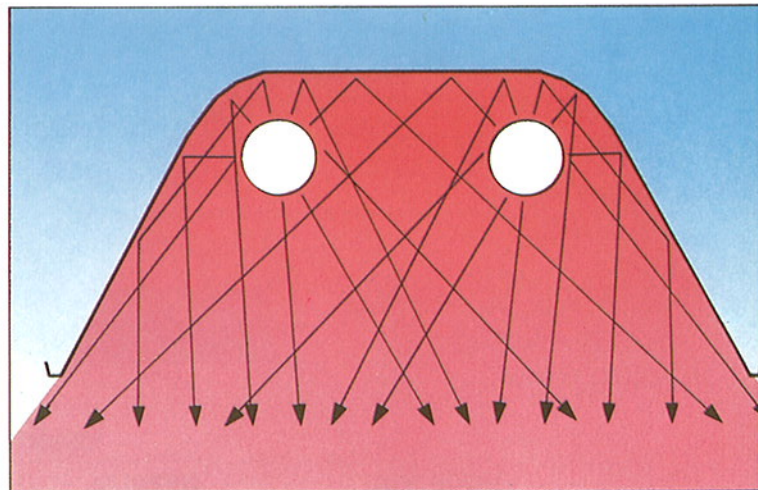
By ducting the hot air into the burner before wasteful spillage into the roof space can occur — gas consumption is considerably reduced. Further savings in overall operating costs are achieved by increased combustion and tube temperature.



Stainless steel emitter tube section permitting higher operating temperature and higher radiant output. Special heat treated surface to the emitter tube, giving a durable high emissivity surface requiring no maintenance or recoating for the life of the appliance.



Computer designed multi-faceted deep skirt stainless steel reflector increases the downward radiation of the heater.

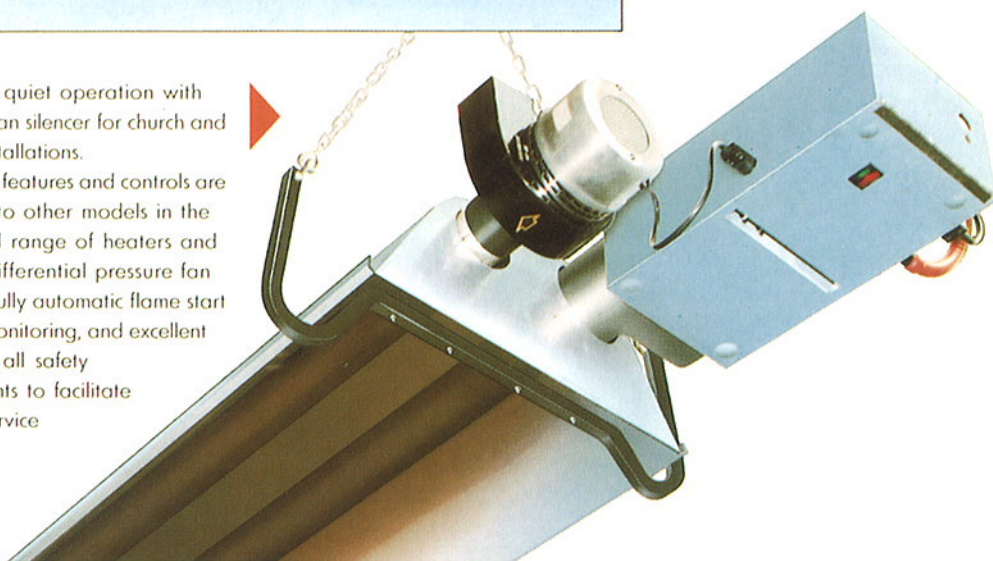


Patented low pressure loss, high efficiency helical turbulators installed in both emitter tubes for optimum heat scrubbing of combustion gases and improved uniformity of tube surface temperature.



Super quiet operation with optional fan silencer for church and similar installations.

Safety features and controls are common to other models in the Ambi-Rad range of heaters and include differential pressure fan proving, fully automatic flame start up and monitoring, and excellent access to all safety components to facilitate annual service routine.



A CHOICE OF MODELS ENSURE OPTIMUM PERFORMANCE

MODEL		RB18			RB30		
TYPE		'U' TUBE	SL/HB	DL	'U'TUBE	SL/HB	DL
NOMINAL HEAT INPUT		18kW (61420)Btu/h			30.5kW (104070)Btu/h		
OVERALL LENGTH mm		5206	9860	19,600	5860	10870	21620
OVERALL WIDTH mm		591	356	356	751	422	422
NOMINAL GAS RATE PER BURNER	(NAT. GAS)	1.69m ³ /h (59.5ft ³ /h)			2.86m ³ /h (101ft ³ /h)		
	(LPG) PROPANE	0.70m ³ /h (24.7ft ³ /h)			1.18m ³ /h (41.7ft ³ /h)		
GAS SUPPLY		CONNECTION R ¹ / ₂ (1/2 in BSP EXTERNAL THREAD) : MAX PRESSURE 30m bar NatGas 50m bar Propane					
ELECTRICITY SUPPLY		240 VOLT 1 PHASE 50 Hz					
CURRENT RATING		0.55 AMP MAX. (INDUCTIVE)					
FUSE RATING		1 AMP INTERNAL 3 AMP EXTERNAL					
IGNITION		ELECTRONIC PROGRAMME START UP WITH SPARK IGNITION					
EXHAUST FLUE (dia.) TWIN WALL		125mm (5in.)			125mm (5in.)		
TOTAL INSTALLED WEIGHT		98kg	117kg	235kg	107kg	127kg	254kg

*Flue diameter for HB fan and DL heaters.

MOUNTING HEIGHTS

MODEL	MOUNTING POSITION	MINIMUM MOUNTING HEIGHT	RECOMMENDED MOUNTING HEIGHT RANGE	WHEN MOUNTING OVER THESE HEIGHTS CONTACT AMBI-RAD DESIGN OFFICE
RB18	HORIZONTAL	4.5m (14ft. 8in.ft)	4.8m-14m (15ft.8in.- 46ft.)	Over 7m (23ft)
	INCLINED/WALL MOUNTED	4.0m (13ft.)	4.2m-5.5m (14ft.- 18ft.)	
RB30	HORIZONTAL	5.2m (17ft)	6.1m-25m (20ft.- 82ft.)	Over 11m (36ft)
	INCLINED/WALL MOUNTED	4.3m (14ft)	4.6m-7.0m (15ft.- 23ft.)	

CLEARANCE DISTANCES TO COMBUSTIBLE MATERIALS

MODEL	RB18	RB30
ABOVE REFLECTOR	150mm (6in.)	150mm (6in.)
ABOVE BURNER FAN ASSEMBLY	400mm (1ft. 4in.)	400mm (1ft 4in.)
BENEATH THE TUBES	1900mm (6ft.)	2000mm (6ft. 4in.)
TO THE SIDES	500mm (1ft. 8in.)	500mm (1ft. 8in.)
IN FRONT OF TUBES (INCLINED MOUNTING)	1900mm (6ft.)	1900mm (6ft.)

NOTE: For building air supply and ventilation requirements please refer to BS 6896:1991, Installation of Gas Fired Overhead Radiant Heaters For Industrial & Commercial Heatings.

Because of our policy of continuous development Ambi-Rad Ltd. reserves the right to vary equipment specification without notice.

AMBI-RAD®

Energy Efficient Heating Systems

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RB series heaters are approved by British Gas and manufactured in accordance with BS 7186.

Patent No. 2193305

GC No. 36 229 24 RB18
GC No. 36 229 26 RB30

Doc Ref. 33/10/94

AMBI-RAD is the registered trade mark of AMBI-RAD LTD.