

SERIES

PA

INDUSTRIAL SUSPENDED GAS FIRED HEATERS

WARM AIR HEATERS



FLEXIHEAT UK LTD

Flexible Heating & Dehumidification Solutions

01202 822221

www.flexiheatuk.com



CERTIFIED IN ACCORDANCE WITH:

GAS DIRECTIVE 90/396/CEE

LOW TENSION DIRECTIVE 73/23/CEE

MACHINE DIRECTIVE 89/392/CEE

**ELECTROMAGNETIC COMPATIBILITY
DIRECTIVE 89/336/CEE**

EFFICIENCY ~ 91%

Suspended gas-fired air heaters, with high combustion efficiency, for indoor installation, with direct air throws and patented high efficiency stainless steel. AISI 430 combustion chamber and heat exchanger, a totally sealed combustion circuit, centrifugal smoke extractor, electronic burner ignition and flame control through ionisation. Low sound pressure level propeller fans, electronic control and safety system, cabinet heater robustly constructed formed by painted steel panels, fitted with a radiant sheet insulation.

Available in three different versions:

PA SINGLE STAGE with one heating capacity output and one airflow stage (ON-OFF).

PA-2 DOUBLE-STAGE with two stages heating capacity output and one air flow stage.

PA-4 BI-POWER with heating output and airflow, on two stages.

THE HEAT EXCHANGER

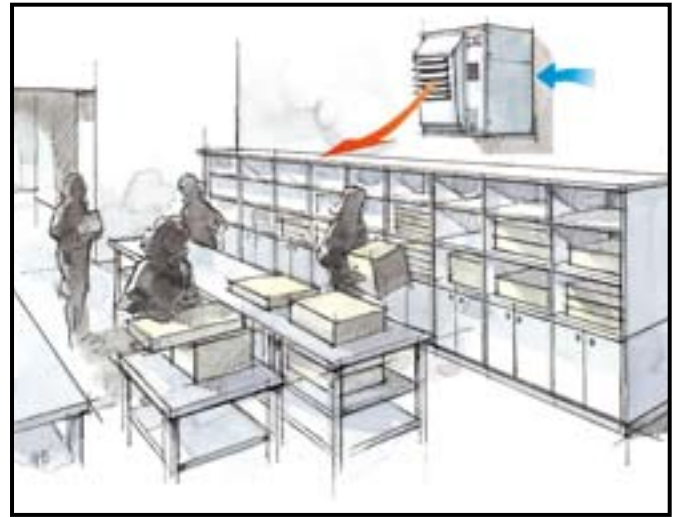
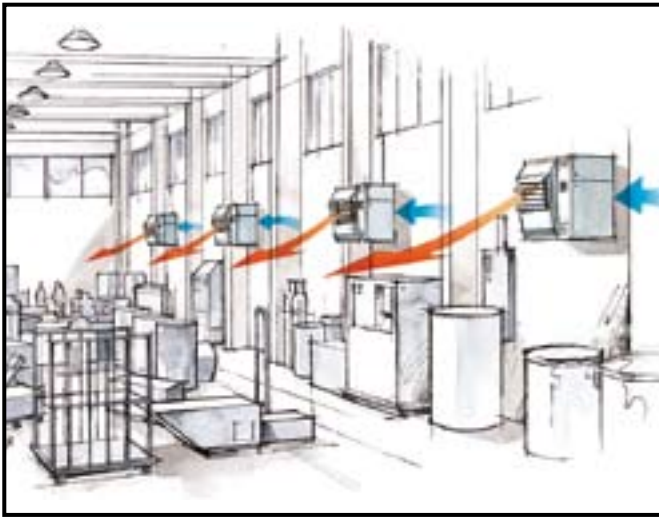


Patented

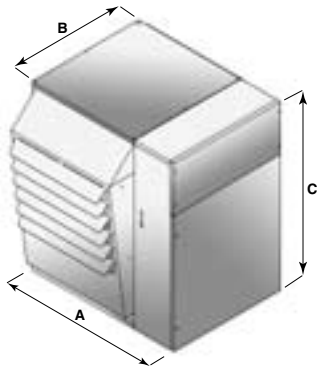
5 YEARS GUARANTEE

Heat exchanger with exclusive modular exchange elements in AISI 430 stainless steel, covered by patent, with extensive surface and special swirl impressions that ensure high thermal efficiency of over 90%. The combustion chamber, the exchange elements and exhaust flues are characterised by singly soldered joints, without clinch, pressure joints, seals or stay rods. This system, which however does not foresee soldering close to the burner flame in order to avoid critical points, has the unique capacity to guarantee perfect proofing and safety even in situations as of thermal shock, abnormal overheating and maintenance operations.

All the exchangers, are also subjected to testing, to check perfect seal at pressures of 150mbar.



OVERALL DIMENSIONS



Models	Dimensions mm			Chimney Ø mm	Burner air inlet Ø mm	Weight Kg
	A	B	C			
PA 16	610	560	860	100	100	65
PA 26	665	560	860	100	100	75
PA 36	745	560	860	100	100	80
PA 46	925	560	860	100	100	95
PA 66	1.170	560	860	100	150	132
PA 86	1.720	560	860	100	150	180
PA 106	1.960	560	860	100	150	220

TECHNICAL SPECIFICATIONS

SERIES PA

PA SERIES SINGLE-STAGE - PA-2 SERIES DOUBLE-STAGE - PA-4 SERIES BI-POWER

Models	Unit	PA 16	PA 26	PA 36	PA 46	PA 66	PA 86	PA 106
Heating capacity input	kW	15	25,4	33,8	46,3	65	85	104,7
	kcal/h	12.900	21.844	29.068	39.818	55.900	73.100	90.042
Max. USEFUL heating capacity output (single-stage)	kW	13,8	23	30,5	41,7	58,6	76,6	94,3
	kcal/h	11.868	19.780	26.230	35.862	50.396	65.876	81.098
Min. USEFUL heating capacity output (Double-stage - Bi-power)	kW	8,7	15,8	21	28,8	40,5	52,9	65,2
	kcal/h	7.482	13.588	18.060	24.768	34.830	45.494	56.062
Max. air flow rate	Nm³/h	1.250	1.820	2.920	4.130	5.900	7.900	8.750
Min. air flow rate (Bi-power)	Nm³/h	1.000	1.750	2.600	3.700	5.000	7.200	7.800
Temperature deviation max.	°K	32	37	31	30	30	29	32
Temperature deviation min.	°K	26	26	24	23	24	22	25
Electrical supply	V - 50Hz	230 ~	230 ~	230 ~	230 ~	230 ~	230 ~	230 ~