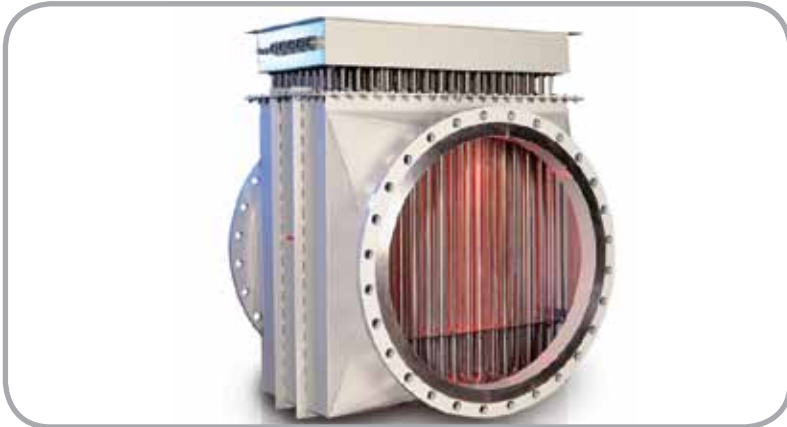




Thermon
South Africa (Pty) Ltd.

Air Heaters



Thermon SA air heaters are designed for heating of air and gases up to 600°C.

Heat is generated by tubular heaters, shaped to provide optimum heat transfer in air ducts or vessels.

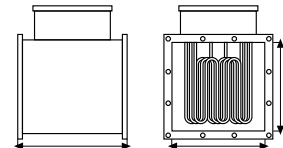
Various construction options cater for applications ranging from climatic heating in buildings, process heating during manufacturing to heating of gas in the Chemical and Petrochemical Industry.



Typical constructions:

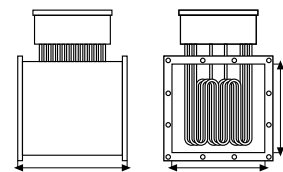
Low temperature duct heaters (Climatic control, drying processes):

Elements are secured to the mounting plate by clinched bushes, allowing easy replacement of individual elements. A terminal cover protects the termination of the array. The array can be immersed directly into the duct.



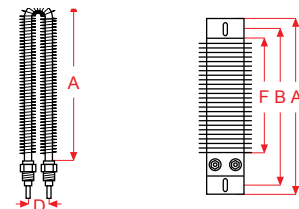
High temperature / high flow rate duct heaters (Curing, baking, processing):

Elements are secured to the mounting plate by compression bushes, allowing easy replacement of individual elements. Low wiring compartment temperature is ensured by a thermal insulation layer above the mounting plate and an additional air gap between the termination area, allowing natural convection to further cool the rods.



Finned elements (general purpose):

Finned elements are used where space is limited and high heat transfer rate is required.

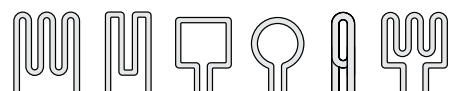


finned rod element

finned strip element

Rod elements (general purpose):

Rod elements offer economic and robust heating. They can be bent to any suitable shape and are mounted in ovens (still air) or in ducts (forced convection).



for more information, see separate leaflet



Air heaters: Finned elements

for definition of measurements A,B,D,F see drawings on previous page

Standard stock items						
Stock code	Power (Watts)	Length A (mm)	Pitch B (mm)	Finned F (mm)	Supply (Volts)	Termination
Finned strip elements Maximum working temperature: 100°C (still air), 240°C (moving air 5m/s)						
UHA-F010-128039	250	267	241	152	240	offset
UHA-F010-128047	350	267	241	152	240	offset
UHA-F010-128055	600	267	241	152	240	offset
UHA-F012-128080	250	305	279	190	240	offset
UHA-F012-128098	500	305	279	190	240	offset
UHA-F012-128100	750	305	279	190	240	offset
UHA-F014-128127	500	356	330	241	240	offset
UHA-F014-128135	900	356	330	241	240	offset
UHA-F018-128207	500	454	429	241	240	offset
UHA-F018-128215	1000	454	429	340	240	offset
UHA-F018-128223	1300	454	429	340	240	offset
UHA-F019-128240	1000	495	470	340	240	offset
UHA-F019-128258	1500	495	470	381	240	offset
UHA-F021-128266	1000	533	508	381	240	offset
UHA-F021-128274	1550	533	508	419	240	offset
UHA-F024-128282	750	603	578	489	240	offset
UHA-F024-128290	1000	603	578	489	240	offset
UHA-F024-128303	1800	603	578	489	240	offset
UHA-F025-128610	2000	648	622	533	240	offset
UHA-F026-128645	1350	679	654	265	240	offset
UHA-F030-128952	1500	775	746	635	240	offset
UHA-F030-128670	2350	775	746	635	240	offset
UHA-F036-128688	1000	911	886	772	240	offset
UHA-F038-128960	2000	978	956	838	240	offset
UHA-F038-128725	3100	978	956	838	240	offset
UHA-F043-128733	3450	1080	1051	940	240	offse
Finned rod elements Minimum air velocity: 2.5m/s at 20°C air temperature						
	Power (Watts)	Supply (Volts)	Length A (mm)	Spacing D (mm)		Termination
Straight Elements						
UHR-F410-01K0	1000	240	325	-		M5 Post
UHR-F410-01K5	1500	240	451	-		M5 Post
UHR-F410-02K0	2000	240	570	-		M5 Post
UHR-F410-02K5	2500	240	705	-		M5 Post
UHR-F410-03K0	3000	240	832	-		M5 Post
UHR-F410-04K0	4000	240	1086	-		M5 Post
UHR-F410-05K0	5000	240	1340	-		M5 Post
UHR-F410-06K0	6000	240	1695	-		M5 Post
UHR-F410-07K0	7000	240	1848	-		M5 Post
U-shaped Elements						
UHR-F41U-01K0	1000	240	156	64		M5 Post
UHR-F41U-01K5	1500	240	219	64		M5 Post
UHR-F41U-02K0	2000	240	283	64		M5 Post
UHR-F41U-02K5	2500	240	365	64		M5 Post
UHR-F41U-03K0	3000	240	410	64		M5 Post
UHR-F41U-04K0	4000	240	537	64		M5 Post
UHR-F41U-05K0	5000	240	664	64		M5 Post
UHR-F41U-06K0	6000	240	790	64		M5 Post
UHR-F41U-07K0	7000	240	918	64		M5 Post

