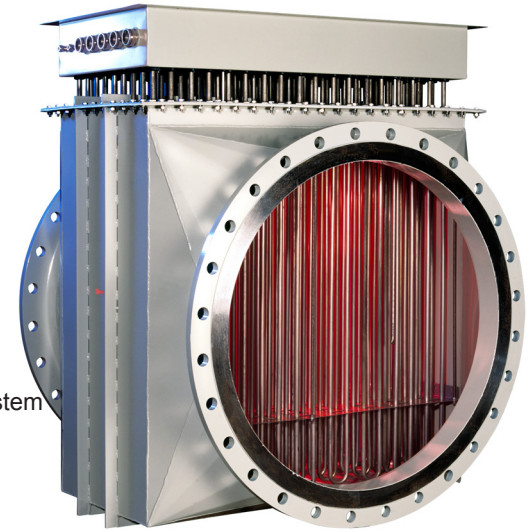
CSN® AIRHEATER
Type 803

Airheaters of series 803 for round ducts are designed for direct heating of flowing air and non-flammeble gases and mixtures.
The heaters consist of a rectangular steel housing with conical transition pieces; connections are gas-tight welded. For higher operating temperatures the electric terminal enclosure will be mounted at a distance from the heating chamber, the space between can be thermally insulated. Supporting brackets for both vertical and horizontal mounting can be attached. Typical applications are in the field of ventilation and air conditioning as well as in drying equipment and process engineering. Duct heaters of this design are used with pressured greater than 10 mbar. For pressures > 0,5 (bar) our electric circulation heaters are used.



Materials used for our air heaters:
- Air duct in stainless steel 1.4301 (AISI 304), optionally in painted steel
- CSN® tubular heating elements, exchangeable, in stainless steel 1.4828
- Terminal enclosure in steel, powder-coated RAL 7035
- Protection class IP-54. Optionally IP-65

Options:
- With temperature control, temperature limiter, Pt-100 RTD, thermocouple
- With integrated fan (see table)
- For a perfect control of our heaters we recommend our electric control system

Typ Type	Querschnitt cross section	Länge ges. length total	Flansch DN Flange DN	Leistung KW Output KW
803/ 10	200 x 200	800	100	10
803/ 18	200 x 200	1000	100	18
803/ 30	200 x 200	1000	150	30
803/ 45	250 x 250	1400	200	45
803/ 27	300 x 300	1200	250	27
803/ 60	300 x 300	1400	250	60
803/ 45	450 x 450	1400	300	45
803/95	450 x 450	1600	300	95
803/ 80	600 x 600	1800	400	95
803/ 160	800 x 800	2000	500	160

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CSN® AIRHEATER
Type 850

Airheaters of series 850 for round ducts are designed for direct heating of flowing air and non-flammeble gases and mixtures.
Typical applications are in the field of ventilation and air conditioning as well as in drying equipment and process engineering.
Air duct heaters in this design are used for overpressure up to 10 mbar.
For higher pressures, we design air heaters gas-tight welded according to Series 803 or as electric circulation heaters.

Materials used for our air heaters:
air duct in stainless steel 1.4301 (AISI 304), optionally in painted steel
CSN® tubular heating elements, exchangeable, in stainless steel 1.4828
Terminal enclosure in steel, powder-coated RAL 7035
Protection class IP-54. Optionally IP-65

Options:
With temperature control, temperature limiter,
Pt-100 RTD, thermocouple
With integrated fan (see table)
For a perfect control of our heaters we recommend our electric control systems

		approx. housing dimensions in mm					
		without fan		with fan			
Type	Output KW	internal dia.	length	length	Qty. of tubular elements	approx. air capacity free blowing m3/h	approx. rpm
850/ 4	4	350	550	850	3	1000	1425
850/ 8	8		550	850	6		
850/ 12	12		550	850	9		
850/ 18	18	400	650	850	9	1800	1425
850/ 24	24		650	850	12		
850/ 30	30		850	1200	15		
850/ 36	36		850	1200	18		

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