

SINGLE-TUBE FOR WASHING SYSTEMS, DEGREASING WITH AGGRESSIVE AGENTS (FREON, TRICHLOROETHENE, CAUSTIC SODA) AND FOOD

- 2" Gas - 2"1 /2 Gas stainless steel connection or flanged or without connection
- Aisi 316 or titanium (Ti) sheath
- Element diameter 44.5/63.5
- Voltage 230V/400V on \varnothing 44.5 and 63.5
- IP64 protection
- They are available as spare parts for all thermal ranges

Especially suitable for direct heating of washing fluids and of alkaline solutions.

To allow a maximum freedom of choice in the design of the plant, we adapt our products to specific needs:

- cartridge heating bodies without outer tubular sheaths in varied diameters, installation lengths and specific loads, customised according to different requirements;
- cartridge heating bodies with outer tubular sheaths of varied materials and with multiple fixing possibilities, such as flanges or threaded nipples.

Specifications of cartridge heating bodies

Cartridge heating bodies have grooved bodies made of a ceramic material with a high degree of electrical insulation, a good mechanical strength and an excellent resistance to temperature changes. Resistive coils are built with high temperature resistant filaments, and design parameters ensure an excellent thermal conductivity and a long service life. Under the connecting head, there is a 50 mm unheated area.

This unheated section can be extended on request.

Heating cartridges are available in a wide range of supply voltages, up to a maximum of 500V, with a single-phase and three-phase connection.

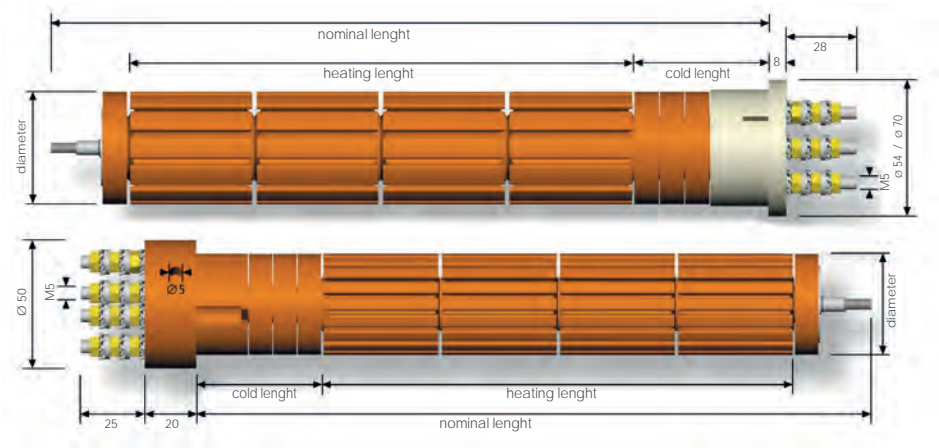
The modular structure allows us to make customised solutions at any time by variations in the rated length, the rated voltage and the rated power.

Material specifications for the outer tubular sheaths

Depending on the conditions of use and requirements, we offer you different materials with different types of fastening.

The surface load of the outer tubular sheath depends on type of use.

This ability to customise projects is a guarantee of long life and operation.



Possibility of fixing and terminal casings of outer tubular sheaths

We have provided a variety of attachments for your applications.

Depending on the type of application, the outer tubular sheaths can be supplied without a fixing flange, with a welded or screwed flange or with a threaded nipple.

If there are multiple outer tubular sheaths placed close to each other, we recommend fitting a central terminal casing. If there are only single outer tubular sheaths or there is a large distance between them, a special protection must be selected for each sheath.

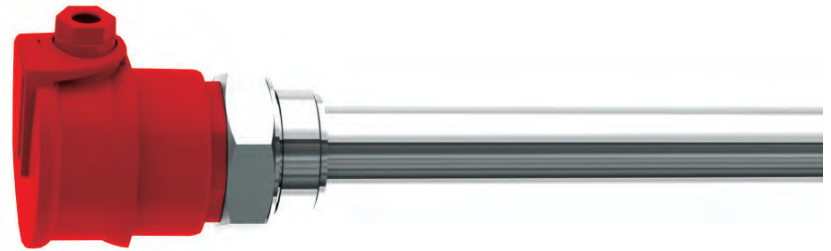
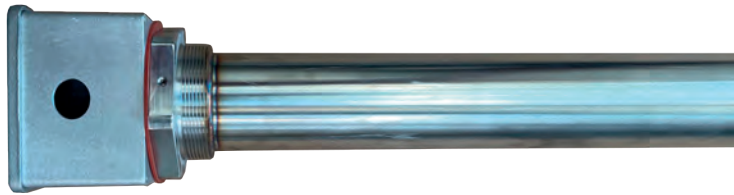
As a single protection, you can choose between the BC polypropylene (PP) or BC/L polyvinyl fluoride (PVDF) terminal casings.

With the SB mounting key, the protection is quick and easy to mount.

Alternatively, especially for high temperatures, you can also use the B galvanised steel terminal casing.

Electrical safety

According to EN 60519/1-2, cartridge heating bodies are classified as class I protection devices. All contact metal parts (outer tubular sheaths) are connected to the protection lead.



Ø 63.5 MM SINGLE TUBE - 2"1/2 GAS CONNECTION 400V THREE-PHASE IP64 COMPLETE WITH A FCL6 TYPE BOX HORIZONTAL USE ONLY				
L./mm	W	D.	Cold lenght	Code
600	3000	63,5	100	113.X.000010
710	4000	63,5		113.X.000020
900	5000	63,5		113.X.000030
900	6000	63,5		113.X.000040
1200	7000	63,5		113.X.000050
1200	8000	63,5		113.X.000060
1800	10000	63,5		113.X.000070
2000	11000	63,5		113.X.000080

Ø 44.5 MM SINGLE TUBE - 2" GAS STAINLESS STEEL CONNECTION 230V SINGLE PHASE IP64 - WITH BC MODEL BOX HORIZONTAL USE ONLY				
L./mm	W	D.	Cold lenght	Code
400	1500	44,5	to be stated at the order stage	113.X.000090
500	2000	44,5		113.X.000100
600	2500	44,5		113.X.000110
700	3000	44,5		113.X.000120
800	3500	44,5		113.X.000130
Ø 44.5 MM SINGLE TUBE - 2" GAS STAINLESS STEEL CONNECTION 400V THREE-PHASE IP64 - WITH BC MODEL BOX HORIZONTAL USE ONLY				
L./mm	W	D.	Cold lenght	Code
400	1500	44,5	to be stated at the order stage	113.X.000140
500	2000	44,5		113.X.000150
600	2500	44,5		113.X.000160
700	3000	44,5		113.X.000170
800	3500	44,5		113.X.000180
900	4000	44,5		113.X.000190
1000	4500	44,5		113.X.000200
1200	5000	44,5		113.X.000210
1400	6000	44,5		113.X.000220
1600	7000	44,5		113.X.000230
1800	8000	44,5		113.X.000235
2000	9000	44,5		113.X.000238

OTHER FORMATS ON DEMAND

Different lengths, power and cold areas are available, as well as single-phase 230V versions

