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IR-160.20E

IR MEDIUM WAVE EMITTERS

Medium-wave quartz IR lamps are particularly suitable for heating surfaces and materials of reduced thickness. Plastic, water and other specific solvents particularly absorb radiation at this wavelength.

Main features of the medium wave quartz IR lamp:

Diameters in monotube emitters - 10 mm, 12 mm, 13 mm, 16 mm, 18 mm, 26 mm -

Dimensions of double tube emitters: - 18 x 9 mm, 22 x 10 mm, 33 x 16 mm -

Field of wavelength range 2.2 - 3.2 μm

Maximum rated power density 35 W / cm

Maximum power density per unit area 60kW / cm²

Filament ignition times in the range: between 30 and 70 seconds

Standard working position: horizontal; On request transmitters for vertical use can be supplied

MODELS SINGLE TUBE A HEATED CHANNEL, ONE CABLE FOR EACH END

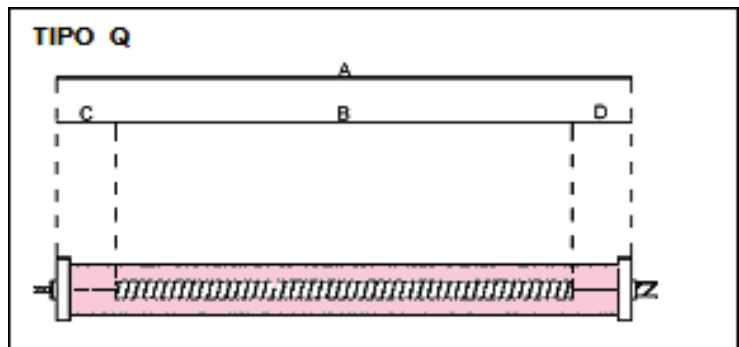
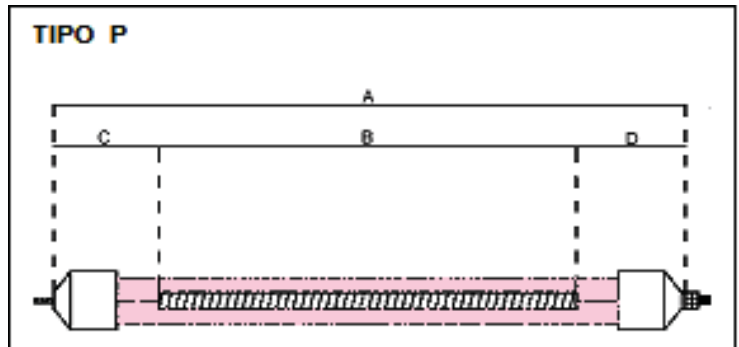
Made with quartz tube, transparent or translucent. The connections can be: with cables (Type P), or threaded rod (type Q)



IDENTIFICATION OF EMITTERS

MTOM 1600/230-1400P

* * * *
* * * *
* * * * Type
* * * * Total length
* W V
MT single channel



The models in the attached table are the most usual but special models can be manufactured with diameters between 10 and 26 mm And lengths up to 4 meters.

All models are for horizontal mounting

MODEL	V	W	TUBE mm	TOTAL LENGTH A mm	HEATED LENGTH B mm	CONNECTIONS
MTOM 650/230-497P	230	650	1 channel Ø 12	497	460	Threaded rod at each end
MTOM 1500/230-930/P	230	1500	1 channel Ø 12	930	850	Threaded rod at each end
MTOM 1600/230-1400P	230	1600	1 channel Ø 10	1400	1344	Threaded rod at each end
MTOM 2500/400-1680Q	400	2500	1 channel Ø 18	1680	1520	1 wire (uninsulated) at each end
MTOM 2600/230-2064Q	230	2600	1 channel Ø 12	2064	1970	1 wire (uninsulated) at each end
MTOM 2500/400-2407Q	400	2500	1 channel Ø 18	2407	2214	1 wire (uninsulated) at each end
MTOM 6500/230-2500P	230	6500	1 channel Ø 18	2500	2100	1 wire (uninsulated) at each end
MTOM 15000/400-3225P	400	15000	1 channel Ø 26	3225	2625	1 wire at each end
MTOM 15000/400-3470P	400	15000	1 channel Ø 26	3470	2870	1 wire at each end

TWIN TUBE EMITTERS, TWO HEATING CHANNELS, CABLES ACCORDING TO MODEL

Made with transparent quartz tube, with a golden reflector.
The connections are wired at one or both ends, depending on the model
The models in the attached table are the most common but can be
Manufacture special models, with different lengths, and connection types
We can supply emitters with sections of 18x9, 22x11, or 33x16mm and with
lengths up to 6 meters
Unless otherwise stated, all models are for horizontal mounting.



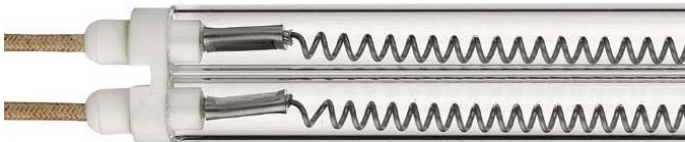
MODEL	V	W	TUBE mm	TOTAL LENGTH A mm	HEATED LENGTH B mm	CONNECTIONS
DTOM 400/230-250B	230	400	33 x 16	250	150	2 wires on one end (Type B)
DTOM 500/230-400B	230	500	18 x 9	400	300	2 wires on one end (Type B)
DTOM 1000/230-600B	230	1000	22 x 11	600	500	2 wires on one end (Type B)
DTOM 1200/230-800B	230	1200	22 x 11	800	700	2 wires on one end (Type B)
DTOM 2000/230 -900B	230	2000	33 x 16	900	800	2 wires on one end (Type B)
DTOM 2500/230-1100B	230	2500	33 x 16	1100	1000	2 wires on one end (Type B)
DTOM 3250/230-1420B	230	3250	33 x 16	1420	1300	2 wires on one end (Type B)
DTOM 3750/230-1600B	230	3750	33 x 16	1600	1500	2 wires on one end (Type B)
DTOM 6250/230-2600B	230	6250	33 x 16	2600	2500	2 wires on one end (Type B)
DTOM 2500/400-1300C	400	2500	33 x 16	1300	1200	2 wires on each end (Type C)
DTOM 4000/400-1700B	400	4000	33 x 16	1700	1600	2 wires on one end (Type B)
DTOM 5000/400-2120B	400	5000	33 x 16	2120	2000	2 wires on one end (Type B)
DTOM 6000/400-2500B	400	6000	33 x 16	2500	2400	2 wires on one end (Type B)
DTOM 6250/400-2600B	400	6350	33 x 16	2600	2500	2 wires on one end (Type B)

All emitters with gold reflector. On request, transmitters without reflector can be supplied, with 360 ° emission

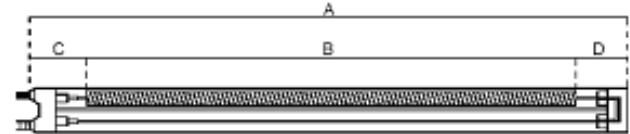
IDENTIFICATION OF EMITTERS

DTOM 2000/230-900B

* * * *
* * * *
* * * * Type
* * * * Total length
* W V
DT Twin tube



TIPO A



TIPO B



TIPO C



TIPO D



TIPO E



TIPO F



TIPO G



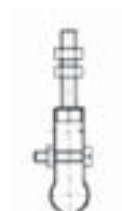
TIPO H



MOUNTING ACCESSORIES

SUPPORTS

MODEL	APPLICATION
SP 010	For emitters of Ø 10 and 12mm
CL 018	For emitters of Ø 18
SP 015	For emitters of 18 x 9 mm
SP 022	For emitters of 22 x 11 mm
SP 033	For emitters of 33 x 16 mm



SP 010



CL 018



SP 015
SP 022
SP 033

HIGH TEMPERATURE RESISTANT CABLES

MODEL CSi – 180 °C

Copper Conductor
Silicone Rubber Insulation
Maximum temperature 180 ° C

General characteristics

Work temperature
Continuously -60 to 180 ° C
Tip up to 220 ° C
Resistant to UV radiation and aging
Electrical characteristics
Working voltage 500V
Test voltage 2000V
Sections 1 to 6 mm²

MODEL NFVS – 350 °C

Nickel Conductor
Fiberglass insulation.
Maximum temperature 350 °C

General characteristics

Work temperature
Continuously -60 to 350 ° C
Tip up to 400 ° C
Resistant to UV radiation and aging
Good mechanical resistance
Electrical characteristics
Working voltage 500V
Test voltage 2000V
Sections from 0.75 to 6 mm²

MODEL NFM – 500 °C

Nickel Conductor
Mineral fiber insulation.
Maximum temperature 500 ° C

General characteristics

Work temperature
Continuously -60 to 500 ° C
Tip up to 550 ° C
Resistant to UV radiation and To aging
Good mechanical resistance
Electrical characteristics
Working voltage 500V
Test voltage 4000V
Sections 1.5 to 6 mm²

More information in our brochure CA-160.30

Ceramic plates for high temperatures

Anticaloric housings

Reflector screens for transmitters

Control and regulation equipment and cabinets

Construction of heating panels adapted to the needs of the client