

COFI

ignitions



Ignition Transformers

ELECTRONIC IGNITION TRANSFORMERS

This transformer is produced with the electronic technology, the system is vacuum impregnated to ensure the highest rate of insulation. The features of this transformer make it suitable for gas and oil burners where is required continuous power, with smaller size and weight than conventional inductive transformers.

The Applications

The electronic ignition transformer is suitable to be applied to all kind of oil and gas burners, wall hang boilers, hot water high pressure cleaners and anti-mosquito equipment. These applications are indicated by a symbol beside each type of product as follows.

Oil Burners



Gas Burners



Hot water high pressure cleaners



Anti-mosquito equipment



The inlets

These icons represent the inlets types available on every single product

Plug D



Plug K



The outlets

These icons represent the outlets types available on every single product

H plug, horizontal output plug, Ø 4mm



V plug, Vertical output plug, Ø 4mm
(13.5 mm deep)



CAPACITANCE DISCHARGE IGNITER TRW



This Ignition transformer is built to satisfy the power requirement of condensing and atmospheric boilers. Thanks to its particular electronic configuration it delivers a very high power output to ensure the ignition even on most difficult conditions. This product is available as "over the gas valve" mounting version. The integrated single pole flame detection signal is available.



ELECTRONIC IGNITION TRANSFORMER TRJ



New transformer with higher efficiency and lower cost.

Type	Vin	Pin	Iout cc	Energy	Vout	ED	Ta	Output
TRW1P2	220-240V	7W	5 mA	5 mJ	1x15 kV	100%	60°C	Grounded pole
TRW1P2R	230V	7W	5mA	5 mJ	1x15 kV	100%	60°C	Grounded pole
TRW1P4	230V	7W	5mA	5 mJ	1x15 kV	100%	60°C	Grounded pole
TRW1P4R	220-240V	7W	5 mA	5 mJ	1x15 kV	100%	60°C	Grounded pole
TRW1S2M	230V	7W	5mA	5 mJ	15 kV	100%	60°C	Insulated
TRW1S4	230V	7W	5mA	5 mJ	15 kV	100%	60°C	Insulated
TRW2P2	220-240V	7W	5 mA	5 mJ	1x15 kV	100%	60°C	Grounded pole
TRW2P4	220-240V	7W	5 mA	5 mJ	1x15 kV	100%	60°C	Grounded pole
TRW2P4R	220-240V	7W	5 mA	5 mJ	1x15 kV	100%	60°C	Grounded pole

Type	Vin	Pin	Iout cc	Iout Burn*	Vout	ED	Ta	Output
TRJ1-20CVD	220-240V	30W	20 mA	15 mA	2x14 kV	100%	60°C	Grounded center
TRJ2-30VD	220-240V	65W	35 mA	21 mA	2x10 kV	33% su 3'	60°C	Grounded center
TRJ2-30PVD	220-240V	63W	30 mA	22 mA	1x15 kV	33% su 3'	60°C	Grounded pole



The inlets



The outlets



*Iout Burn.= Current measured on the burner with 5mm spark gap, blowing air and suppressed cables.

ELECTRONIC IGNITION TRANSFORMERS TRK

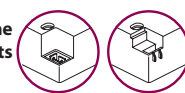
Type	Vin	Pin	Iout cc	Iout Burn*	Vout	ED	Ta	Output	Notes
TRK1-20CVD	220-240V	30W	20 mA	12 mA	2x14 kV	100%	60°C	Grounded center	
TRK1-20PCVD	220-240V	30W	20 mA	12 mA	1x15 kV	100%	60°C	Grounded pole	
TRK1-30CVD	230V	30W	30 mA	17 mA	2x12 kV	100%	60°C	Grounded center	UL
TRK1-30CHD	230V	30W	30 mA	17 mA	2x12 kV	100%	60°C	Grounded center	UL
TRK1-30PCVD	230V	30W	30 mA	17 mA	1x15 kV	100%	60°C	Grounded pole	
TRK2-35	220-240V	65W	35 mA	20 mA	2x10 kV	33% on 3'	60°C	Grounded center	
TRK2-30PVD	220-240V	63W	30 mA	20 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-30PFVD	220-240V	63W	30 mA	20 mA	1x15 kV	33% on 3'	60°C	Grounded pole	
TRK2-30PVDUS	230V	69W	30 mA	20 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-30PFVDUS	230V	69W	30 mA	20 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-40VD	230V	65W	40 mA	24 mA	2x10 kV	33% on 3'	60°C	Grounded center	UL
TRK2-40HD	230V	65W	40 mA	24 mA	2x10 kV	33% on 3'	60°C	Grounded center	
TRK2-40HK	230V	65W	40 mA	24 mA	2x10 kV	33% on 3'	60°C	Grounded center	UL
TRK2-40HKL	230V	65W	40 mA	24 mA	2x10 kV	33% on 3'	60°C	Grounded center	UL
TRK2-40PVD	230V	65W	40 mA	24 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-40PHK	230V	65W	40 mA	24 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-40PHKL	230V	65W	40 mA	24 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-40SHK	230V	65W	40 mA	24 mA	15 kV	33% on 3'	60°C	Insulated	
TRK2-40SVD	230V	65W	40 mA	24 mA	15 kV	33% on 3'	60°C	Insulated	
TRK1-20CUVD	120V	22W	20 mA	12 mA	2x14 kV	100%	60°C	Grounded center	UL
TRK1-20PCUVD	120V	30W	20 mA	12 mA	1x15 kV	100%	60°C	Grounded pole	
TRK2-30PUVD	120V	60W	26 mA	20 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-30PUFVD	120V	60W	26 mA	20 mA	1x15 kV	33% on 3'	60°C	Grounded pole	UL
TRK2-30UVD	120V	60W	30 mA	20 mA	2x12 kV	33% on 3'	60°C	Grounded center	UL

This is a standard electronic transformer.

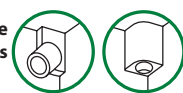
The features of this transformer make it suitable for a wide range of applications such as oil and gas burners, continuous or intermittent duty, single or double poles.



The inlets



The outlets



*Iout Burn.= Current measured on the burner with 5mm spark gap, blowing air and suppressed cables.

ELECTRONIC IGNITION TRANSFORMERS TRH

Type	Vin	Pin	Iout cc	Iout Burn*	Vout	ED	Ta	Output	Notes
TRH2-30CU	120V	70W	30 mA	25 mA	2x12 kV	100%	60°C	Grounded center	UL
TRH2-30C	230V	60W	30 mA	25 mA	2x12 kV	100%	60°C	Grounded center	
TRH2-30CQ	400V	60W	30 mA	25 mA	2x12 kV	100%	60°C	Grounded center	
TRH2-60	230V	100W	50 mA	30 mA	2x12 kV	33% on 3'	60°C	Grounded center	
TRH2-40U	120V	90W	40 mA	30 mA	2x12 kV	33% on 3'	60°C	Grounded center	UL

This is a HIGH POWER electronic transformer suitable for heavy oil and gas burners where high spark currents on continuous duty conditions and severe working temperatures are required. It is available on 120V 230V and 400V versions.



The inlets



The outlets



*Iout Burn.= Current measured on the burner with 5mm spark gap, blowing air and suppressed cables.

ELECTRONIC IGNITION TRANSFORMERS TRL

Type	Vin	Pin	Iout cc	Iout Burn*	Vout	ED	Ta	Output
TRL12-30C	12V DC	80W	30 mA	22 mA	2x12kV	100%	60°C	Grounded center
TRL24-30C	24V DC	80W	30 mA	22 mA	2x12kV	100%	60°C	Grounded center
TRL12-30PC	12V DC	80W	30 mA	22 mA	1x15kV	100%	60°C	Grounded pole
TRL24-30PC	24V DC	80W	30 mA	22 mA	1x15kV	100%	60°C	Grounded pole



The inlets



The outlets



This is a 12 and 24 VDC HIGH POWER electronic transformer suitable for heavy oil and gas burners. It is very performant, with high spark currents on continuous duty conditions even on severe working temperatures.





*Iout Burn.= Current measured on the burner with 5mm spark gap, blowing air and suppressed cables.

INDUCTIVE TRANSFORMERS

Traditional electro-mechanic transformer, It can be customized in many different versions to fit the requirements of any kind of application like oil and gas burners, high pressure cleaners, anti-mosquito equipments, ozone generators.

The Applications

The conventional ignition transformer is suitable to be applied to all kind of oil and gas burners, hot water high pressure cleaners and anti-mosquito equipment. These application are indicated by a symbol beside each type of product as follows.

Oil Burners	
Gas Burners	
Hot water high pressure cleaners	
Anti-mosquito equipment	







The inlets


These icons represent all the different kind of connection for each product

Standard buried cable L=380mm		COFI plug		Triangle plug	
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The outlets

These icons represent the outlets types available on every single product






Code SP, eccentric plug, Ø 4 (21.5 mm deep)		Code SPRO, hole Ø 6, plug Ø 4 for cable Ø 5.2 (35 mm deep)	
Code VIMAN, self-tapping screw with sleeve (25 mm deep)		Code SPMAN, plug Ø 4 with sleeve (23 mm deep)	
Code SPRAS, flush plug, Ø 4 (13.5 mm deep)		Code VIRAS, flush self-tapping screw (18 mm deep)	

Transformer TRZ	Type	Vin	Freq	Vout	Iout	ED	Output	Notes
	TRZ410CL	230V	50Hz	2x2 kV	10 mA	100%	Grounded center	Lamp power supply
	TRZ510C	230V	50Hz	2x2,5 kV	10 mA	100%	Grounded center	
	TRZ4.509PC	230V	50Hz	1x4,5 kV	9 mA	100%	Grounded pole	

The smallest conventional transformer of the range, especially developed for the anti-mosquito equipments, a version can be made with the optional integrated neon lamp power supply.



***The whole range is available with input voltages between 100 and 400V

Transformer TRE	Type	Vin	Freq	Vout	Iout	ED	Output	Notes
	TRE308C	230V	50Hz	1x1,5 kV	8 mA	100%	Grounded center	
	TRE510C	230V	50Hz	2x2,5 kV	10 mA	100%	Grounded center	
	TRE820	230V	50Hz	2x4 kV	20 mA	19% on 3'	Grounded center	 
	TRE210PC	230V	50Hz	1x2 kV	10 mA	100%	Grounded pole	
	TRE410PC	230V	50Hz	1x4 kV	10 mA	100%	Grounded pole	
	TRE510PC	230V	50Hz	1x5 kV	10 mA	100%	Grounded pole	
	TRE820P	230V	50Hz	1x8 kV	20 mA	19% on 3'	Grounded pole	 
	TRE820PISO	230V	50Hz	1x8 kV	20 mA	19% on 3'	Grounded pole	Insulated









Small dimension transformer, it achieves the same performances of medium size transformers with lower costs, largely used for oil and gas burners, available with the secondary insulated for flame detection by ionization of the flame. It can also be applied to anti-mosquito equipment or ozone generators.



***The whole range is available with input voltages between 100 and 400V

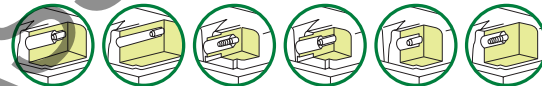
Transformer TRS



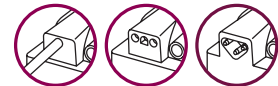
Type	Vin	Freq	Vout	Iout	ED	Output	Notes
TRS513C	230V	50Hz	2x2,5 kV	10 mA	100%	Grounded center	
TRS812C	230V	50Hz	2x4 kV	12 mA	100%	Grounded center	
TRS818C	230V	50Hz	2x4 kV	18 mA	100%	Grounded center	
TRS820	230V	50Hz	2x4 kV	20 mA	25% on 4'	Grounded center	
TRS1020	230V	50Hz	2x5 kV	20 mA	25% on 4'	Grounded center	
TRS1020	230V	50Hz	2x5 kV	20 mA	33% on 3'	Grounded center	
TRS1030	230V	50Hz	2x5 kV	30 mA	25% on 4'	Grounded center	
TRS1220	230V	50Hz	2x6 kV	20 mA	25% on 4'	Grounded center	
TRS404PC	230V	50Hz	1x4 kV	4 mA	100%	Grounded pole	
TRS505PC	230V	50Hz	1x5 kV	5 mA	100%	Grounded pole	
TRS508PC	230V	50Hz	1x5 kV	8 mA	100%	Grounded pole	
TRS510PC	230V	50Hz	1x5 kV	10 mA	100%	Grounded pole	
TRS515PC	230V	50Hz	1x5 kV	15 mA	100%	Grounded pole	
TRS6,508PC	230V	50Hz	1x6,5 kV	8 mA	100%	Grounded pole	
TRS606PC	230V	50Hz	1x6,5 kV	6 mA	100%	Grounded pole	
TRS610PC	230V	50Hz	1x6,5 kV	10 mA	100%	Grounded pole	
TRS708PC	230V	50Hz	1x7 kV	8 mA	100%	Grounded pole	
TRS818PC	230V	50Hz	1x8 kV	18 mA	100%	Grounded pole	
TRS820P	230V	50Hz	1x8 kV	20 mA	25% on 4'	Grounded pole	
TRS723P US	120V	60Hz	1x8 kV	23 mA	25% on 4'	Grounded pole	
TRS820PISO	230V	50Hz	1x8 kV	20 mA	33% on 3'	Grounded pole	Insulated
TRS830P	230V	50Hz	1x8 kV	30 mA	25% on 4'	Grounded pole	
TRS1815CISO	230V	50Hz	1x2 kV	15 mA	100%	Grounded pole	Insulated

Medium-size conventional transformer, suitable for all kinds of gas and oil burners, where continuous or intermittent power and achievement of higher voltages and currents are required. This series is available in a great number of variations. It suits very different uses such as burners, high-pressure cleaners, anti-mosquito electric equipment and ionizers.

The outlets









The inlets



***The whole range is available with input voltages between 100 and 400V

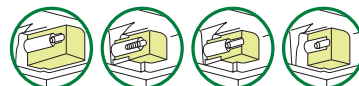
Transformer TRG



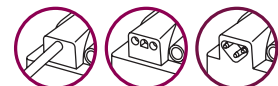
Type	Vin	Freq	Vout	Iout	ED	Output	Notes
TRG1015C	230V	50Hz	2x5 kV	15 mA	100%	Grounded center	
TRG1020C	230V	50Hz	2x5 kV	20 mA	100%	Grounded center	
TRG1035	230V	50Hz	2x5 kV	35 mA	25% on 4'	Grounded center	
TRG1035 US	120V	60Hz	2x5 kV	35 mA	25% on 4'	Grounded center	
TRG1225	230V	50Hz	2x6 kV	25 mA	25% on 4'	Grounded center	
TRG1230	230V	50Hz	2x6 kV	30 mA	33% on 3'	Grounded center	
TRG1230	120V	60Hz	2x6 kV	30 mA	25% on 4'	Grounded center	
TRG623PC US	120V	60Hz	1x6 kV	23 mA	100%	Grounded pole	
TRG820PC	230V	50Hz	1x8 kV	20 mA	100%	Grounded pole	
TRG835P	230V	50Hz	1x8 kV	35 mA	25% on 4'	Grounded pole	
TRG1020PC	230V	50Hz	1x10 kV	20 mA	100%	Grounded pole	
TRG1035P	230V	50Hz	1x10 kV	35 mA	25% on 4'	Grounded pole	

Large-size conventional transformer, suitable for large-flow and heavy fuel burners, where continuous power and higher voltages or currents are required. The versions of this range are suitable for use in large-size transformers and industrial high-pressure cleaners.

The outlets



The inlets



***The whole range is available with input voltages between 100 and 400V

i-GAS

Automatic control for gas burners with ignition and flame detection integrated:



It allows the control of a single direct ignition burner till 350kW, with flame detection integrated (single electrode) or separate electrode. i-GAS can freely fit to many different application conditions thanks to its easy programmability. Some parameters are factory settled and password protected, directive compliant, others are customizable following customer's needs. An advanced self diagnostic system provide through an alphanumeric display all information about the cycle, lock causes, eventual applied device's failures, or burner's failures. The reset push button, and its warning light, can be remoted through a socket connection. The ignition transformer provide a high energy spark that warrant the ignition in every situation. It is possible to use the same ignition electrode both to make ignition and flame readings. For ionization, or with a separate electrode (dedicated), plugging it directly to the control device socket. The socket give to the device easy serviceability, allowing quick plug/unplug operability. i-GAS represents the burner's supervisor being active all the time the power is on, even when the thermo switch do not require heat. All connected devices are monitored all the time, even in stand by condition. Any uneven failure might be detected before power heat is demanded by the thermo switch. The circuit configuration allows the manufacturer to simplify cable harness of burners main case.

Technical specification

Power Supply	230 V \pm 15%	Pre-blowing	1 \div 250 s	Minimum ionization current	> 1 μ A
Frequency*	50/60 Hz	Pre-ignition	500 ms	ionization current limits	0,5 mA
Power Consumption	3 VA MAX	Safety time on ignition	2 \div 25 s	Flame detection probe voltage	250 V ac
Power dissipation	2W MAX	Safety time running	1 \div 12 s	Flame detection probe insulation	> 50 M Ω
Max output's current	3 A @ 230 V cos ϕ 0.4	Post-blowing	1 \div 250 s	Flame detection probe wire lenght	< 30 m
Line Fuse	5x20mm RAPIDO 3,15 A	Allowed Post-combustion time	< 20 s	Single electrode wire lenght	< 1 m
Working temperature range	0 \div 60 $^{\circ}$ C	Auto shutoff & timer (optional)	00h05m \div 20h50m	Output ignition Voltage	1x15kV \pm 10%
Storage temperature range	-20 \div 80 $^{\circ}$ C	Ignition Cycle counter	524288	Short circuit ignition current	30mA rms \pm 10%
Relative umidity	45 \div 85 %				
Enclosure Nylon UL94 V-0	115x97x41 mm				
IP degree EN60529	IP00				
Weight	400 g MAX				

* Sinusoidal, quasi-sinusoidal, square

Compliance

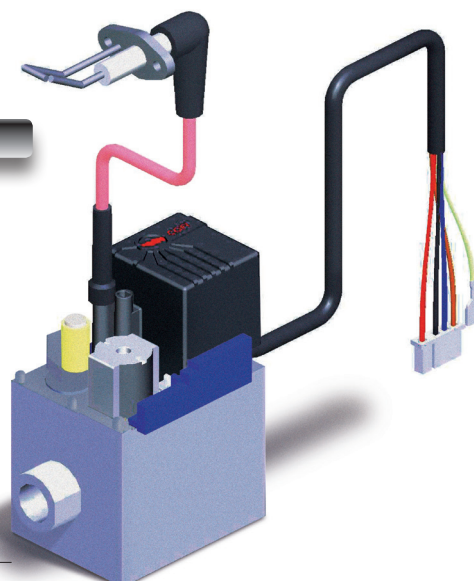
- Gas Devices directive (2009/142/CE)
- Low voltage directive (2006/95/CE)
- Machinery directive (2006/42/CE)
- EMC directive (2004/108/CE)
- Conform to EN298
- Conform to EN230
- Conform to EN746-2
- Conform to UNI10156
- DPR 15 November 1996 n° 661

The Applications

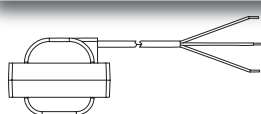


TOP MOUNTED VALVE IGNITER

Development of capacitance discharge igniters to be mounted directly on the gas valve's top. This igniter is been studied for the application on wall hang boilers where the spaces are narrow and the wiring harness need to be simplified. The transformer can drive the solenoid valves directly or with an inner DC converter. Only one wire is connected with the control device providing Ignition power, flame signal and valve driving power. The output wire is used both for ignition and flame detection with single electrode. Different version are available to be fitted on each valve.



Primary Connections



Standard buried cable



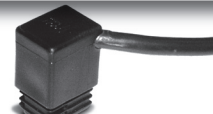
Plug A



Plug B



Plug C



Plug D



Plug T



Plug K

High-voltage cables

Cofi manufactures high voltage ignition cable for all market needs. From the simple copper wire with connector to more complex cable with carbon fiber conductor, connector and moulded protections. The High voltage cables with resistive conductor in carbon fiber and semi-conductive rubber are used for shielding electromagnetic disturbances. Our EMC laboratory is fully equipped with instrument for EMC measurements for cable's and filters verifications.



SILICONE/CARBON FIBER cable
1x1 diameter 7 mm
Resistive cable 10 kOhm/m
Cable diameter 7 mm 35 kV
r.m.s. -40 +180°C
Sold in lengths or by meter
Code: 09CA091868



SILICONE/CARBON FIBER cable
1x1 diameter 5.2 mm
Resistive cable 10 kOhm/m
Cable diameter 5.2 mm 20 kV
r.m.s. -40 +180°C
Sold in lengths or by meter
Code: 09CA091869



SILICONE/COPPER Cable 1x1
diameter 7 mm
Tear-resistant silicone cable,
insulation
20kV EI 2 -50 +180°C
Sold in 100 m skein
Code: 09CA091804M

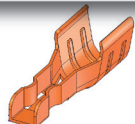


SILICONE/COPPER Cable 1x1
diameter 4.7 mm
Tear-resistant silicone cable,
insulation
15kV EI 2 -50 +180°C
Sold in lengths or by meter
Code: 09CA091807



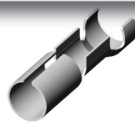
OZONE, PVC/COPPER Cable 1x1
diameter 7 mm
PVC Cable insulation 20kV EI 2
-20 +90°C
Sold in lengths or by meter
Code: 09CA091803

Connections and protections



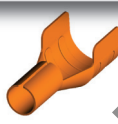
Connector for faston
2,8x0,8 mm
For cables with diameter
5 mm

Code: 11PC112031



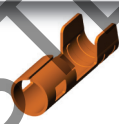
Connector in phosphor
bronze
Diameter 4 mm for cable
with diameter 4.7 mm

Code: 11PC112004



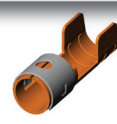
Connector in phosphor
bronze
Diameter 4 mm for cable
with diameter 7 mm

Code: 11PC112010



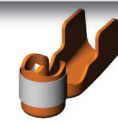
Connector, diameter
6.3 mm, for cables with
diameters 4.7 - 5.2 - 7 mm
Straight without spring

Code: 11PC112013



Connector, diameter
6.3 mm, for cables with
diameters 4.7 - 5.2 - 7 mm
Straight with spring

Code: 11PC112011



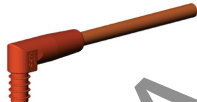
Connector, diameter
6.3 mm, for cables with
diameters 4.7 - 5.2 - 7 mm
90° with spring

Code: 11PC112018



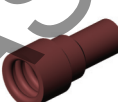
PVC over moulded Cap
D. 4 mm for cables with
diameter 4.7-5.2-7 mm

Code: 17GOST0000



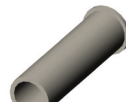
PVC over moulded 90° Cap
D. 4 mm for cables with
diameter 4.7-5.2-7 mm
Used with electronic
transformers' VIMAN outlets.

Code: 17GOST000K



Silicone Cap L = 35 mm for
cables with diameters 4.7-
5.2-7 mm
Used with conventional
transformers' VIMAN and
SPMAN outlets

Code: 17GO172601



Terminal cap, type A, in
PBT, straight for cables with
diameters 4.7 - 5.2 - 7 mm

Code: 04PL041442



90° Silicone Cap for 6.3mm
connector for cables with
diameters 4.7-5.2-7 mm

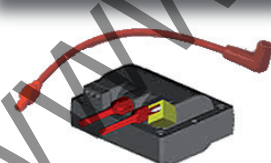
Code: 17GO172605



90° Silicone Cap for 4 mm
connector for cables with
diameters 4.7-5.2-7 mm

Code: 17GO172604

Installed cable lengths



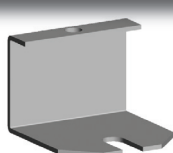
Complete high-voltage cables. Complete cable for
high pressure cleaners. It ensures perfect sealing of
the transformer outputs for perfect protection against
humidity in dirty and contaminated environments.

Cable in silicone/copper or silicone/ carbon fiber,
diameter 7 mm. Custom-made length.

Connector, diameter 4 mm, overmolded.

90° Connector, diameter 6.3 mm, with terminal cover.

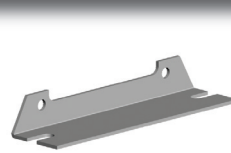
Mounting brackets



40X40 mm galvanized bracket
Bracket for horizontal mounting of
transformer on any surface.

Code: 15MI152457

Kit with screws and nuts available



102X26 mm galvanized bracket
Bracket for vertical mounting of
transformer on any surface.

Code: 15MI152452

Kit with screws and nuts available

Filters



EMI disturbance suppression filter

Code: 06CE061517

ACCESSORIES



English edition - January 2014 - the data stated in this catalogue are not binding for the company and may be changed at any time without previous notice



COFI srl
Via Castagnole, 58/A
31100 Treviso - ITALY

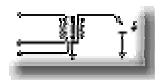
Tel. +39 0422 432 635
+39 0422 432 903

Fax +39 0422 432 802

Web www.cofisrl.it

E-mail cofi@cofisrl.it

Transformers FOR Gas Burners



	0-100.000 kCal.	100.000 - 1.000.000 kCal.	> 1.000.000 kCal
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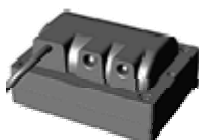
SERIE E



TRE820P	8000V	1x8kV 20mA	TRE820P	8000V	1x8kV 20mA
	230VA	ED.20% su 3'		230VA	ED.20% su 3'
TRE820PISO	8000V	1x8kV 20mA	TRE820PISO	8000V	1x8kV 20mA
ISOLATO	230VA	ED.20% su 3'	ISOLATO	230VA	ED.20% su 3'

	0-100.000 kCal.	100.000 - 1.000.000 kCal.	> 1.000.000 kCal
--	-----------------	------------------------------	---------------------

SERIE S



TRS610PC	6000V	1x6kV 10mA	TRS610PC	6000V	1x6kV 10mA	TRS818PC	8000V	1x8kV 18mA
	92VA	CONTINUO		92VA	CONTINUO		220VA	CONTINUO
			TRS818PC	8000V	1x8kV 18mA	TRS820P	8000V	1x8kV 20mA
				220VA	CONTINUO		220VA	ED.25% su 4'
			TRS820P	8000V	1x8kV 20mA	TRS820PISO	8000V	1x8kV 20mA
				220VA	ED. 25% su 4'	ISOLATO	220VA	ED.25% su 4'
			TRS820PISO	8000V	1x8kV 20mA	TRS830P	8000V	1x8kV 30mA
			ISOLATO	220VA	ED.25% su 4'		352VA	ED.25% su 4'
			TRS830P	8000V	1x8kV 30mA			
				352VA	ED.25% su 4'			

	0-100.000 kCal.	100.000 - 1.000.000 kCal.	> 1.000.000 kCal
--	-----------------	------------------------------	---------------------

SERIE G

			TRG820PC	8000V	1x8kV 20mA
				220VA	CONTINUO



TRG835P 8000V 1x8kV 35mA

308VA ED.25%
su 4'

TRG1020PC 10000V 1x10kV
20mA

242VA CONTINUO

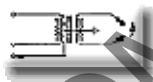
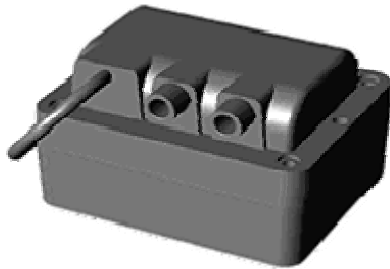
TRG1035P 10000V 1x10kV
35mA

460VA ED.25%
su 4'

WWW.MEAASSISTENCIA.COM.BR

Transformer - series G grounded center

The outputs can be constructed according to the application. The best insulation is ensured in extremely difficult and special conditions. This is produced, like the whole range, with input voltages between 100 and 400V, in accordance with international standards and with customers' requirements. The main intermittent and continuous models are technically approved - in accordance with VDE and SEV regulations - and can include accessories for Electromagnetic Compatibility, as tested in our laboratory.



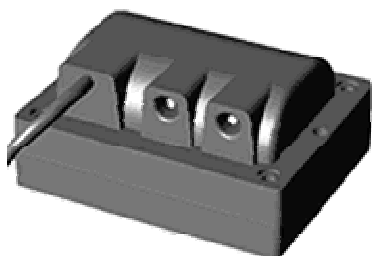
IN	OUT	VIEWS	DATA	>> Grounded pole			
Type	Supply Voltage V(50 Hz)	Primary CurrentA (50 Hz)	Power VA	Secondary Voltage kV	Secondary Current mA	Secondary Peak Voltage kV	Duty ED% min.
TRG1015C	220-230	0,85	187	2x5	15	14	DB Continuo
TRG1015C	380/400	0,5	200	2x5	15	14	DB Continuo
TRG1020C	220-230	1	230	2x5	20	14	DB Continuo
TRG1020C	380/400	0,6	240	2x5	20	14	DB Continuo
TRG1035	220-230	2,1	483	2x5	35	14	AB 25% 4min 4 min.
TRG1035 US	120 60Hz	3,4	408	2x5	35	14	AB 25% 4min 4 min.
TRG1225	200 50-60Hz	1,4	280	2x6	25	17	AB 25% 4min 4 min.
TRG1230	220-230	2,2	506	2x6	30	17	AB 25% 4min 4 min.

C = € V = S = UL =

L= Turn on a neon-lamp of 11-15 W (primary)

Standard Value Table. On customer's specifications, we can provide for special primary voltages, either 50Hz or 60 Hz.

Transformer - serie S grounded center



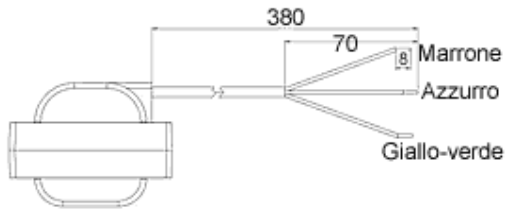

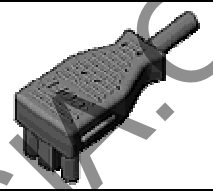
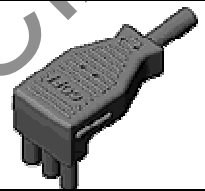
The outputs can be constructed according to the application. The best insulation is ensured in extremely difficult and special conditions. This is produced, like the whole range, with input voltages between 100 and 400V, in accordance with international standards and with customers' requirements. The main intermittent and continuous models are technically approved - in accordance with VDE and SEV regulations - and can include accessories for Electromagnetic Compatibility, as tested in our laboratory.

Type	Supply Voltage V(50 Hz)	Primary Current A(50 Hz)	Power VA	Secondary Voltage kV	Secondary Current mA	Secondary Peak Voltage kV	Duty ED% min.	Weight Kg.
TRS510C	220-230	0.35	80	2x2.5	10	7	DB Continuo	1.9
TRS513C	220-230	0.33	73	2x2.5	13	7	DB Continuo	1.9
TRS812C	220-230	0.6	132	2x4	12	11	DB Continuo	1.9
TRS812C	380/400	0.33	125	2x4	12	11	DB Continuo	1.9
TRS818C	220-230	1	220	2x4	18	11	DB Continuo	1.9
TRS820	220-230	1	220	2x4	20	11	AB 25% 4min	1.9
TRS830P	220-230	1.1	352	1x8	30	14	AB 25% 4min	1.9
TRS1020	220-230	1.1	242	2x5	20	14	AB 33% 3min	1.9
TRS1030	220-230	2	460	2x5	30	14	AB 25% 4min	1.9
TRS1220	220-230	1.4	308	2x6	20	17	AB 25% 4min	1.9

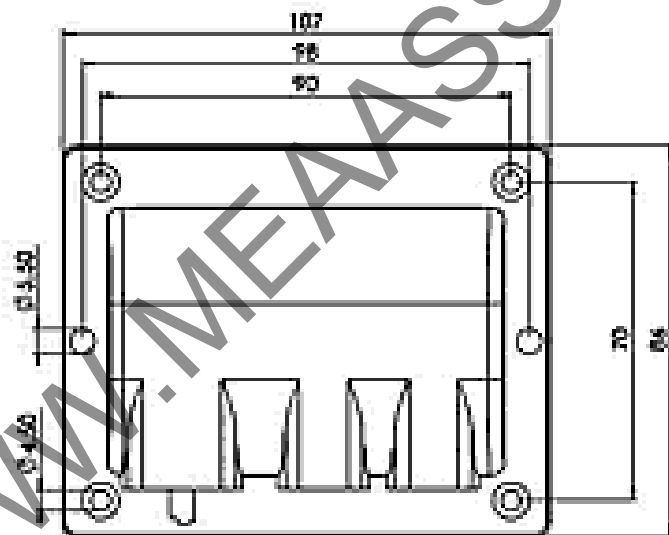
C= V= S= UL=

L= Turn on a neon-lamp of 11-15 W (primary)

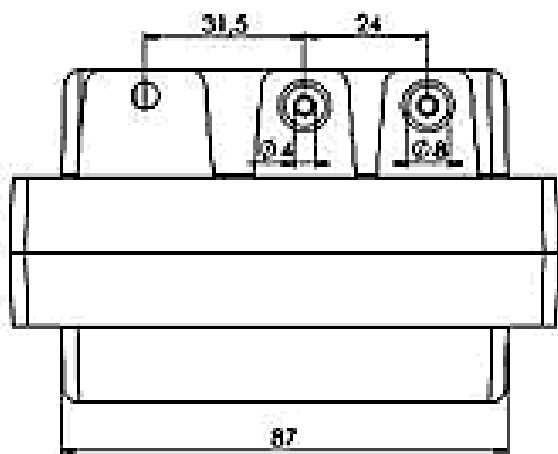
Standard Value Table. On customer's specifications, we can provide for special primary voltages, either 50Hz or 60 Hz.

Primary Connections	
<p>STANDARD BURIED CABLE</p> <p>The standard version is supplied with a voltage supply cable buried in ANTI-TEAR SILICONE 3x0.50 WITH STANDARD LENGTH OF 380 mm (see DRAWING) with claw terminals, Class II, up to 180°C.</p>	
<p>PLUG A</p> <p>STRAIGHT plug with PVC cable 3x0.50 STANDARD LENGTH OF 380 mm Terminals at customers' option</p>	
<p>PLUG B</p> <p>90° UPWARD plug with PVC cable 3x0.50 STANDARD LENGTH OF 380 mm Terminals at customers' option</p>	
<p>PLUG C</p> <p>90° DOWNWARD plug with PVC cable 3x0.50 STANDARD LENGTH OF 380 mm Terminals at customers' option</p>	

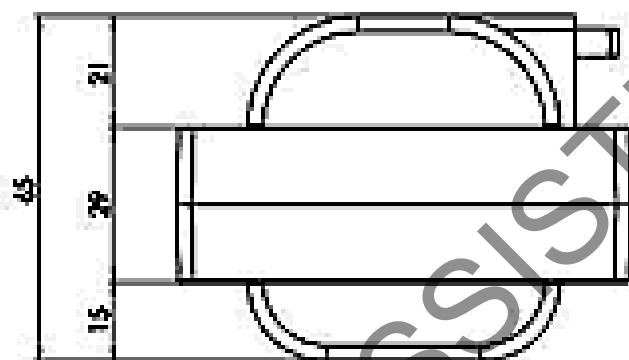
Views
Plan View



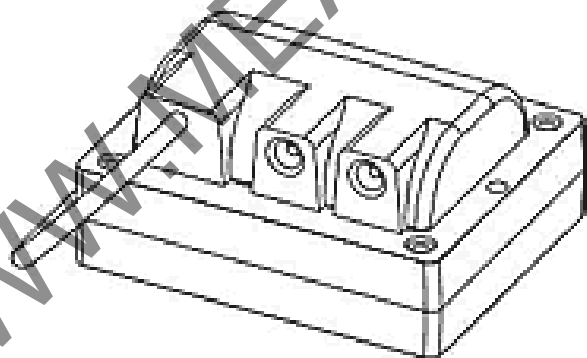
front view



side view



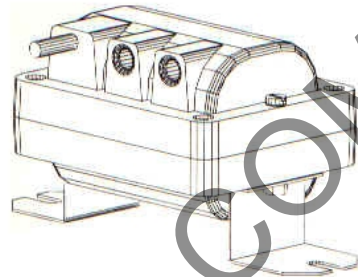
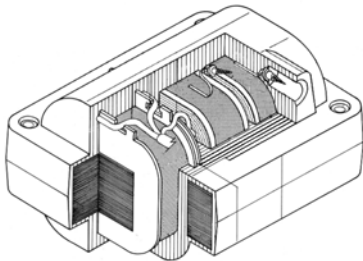
projection view



TRANSFORMADORES

COFI

High voltage transformers



TRANSFORMADORES DE IGNIÇÃO COFI TIPO G - 1020

Os transformadores *COFI* produzidos na Itália satisfazem a demanda atual no que diz respeito ao peso e tamanho reduzidos, mantendo a sua grande eficácia e confiabilidade.

Eles transformam a voltagem primária de 220V 60Hz (também em 110V 60Hz) em corrente secundária de 10.000 Volts (2 X 5 kV). São fabricados para aplicações de USO CONTÍNUO (100% E.D.), vem dotados de um cabo primário tripolar de 380 mm de comprimento e duas entradas para alta tensão com fixação dos cabos através de parafusos auto-atarrachantes.

Os transformadores *COFI* são do tipo CENTRO A MASSA (centro aterrado), gerando uma faísca elétrica forte e estável, usada para obter-se a ignição segura nos queimadores de óleo automáticos. São dotados de uma blindagem interna supressora de interferências eletromagnéticas.

Dados Elétricos:

Voltagem Primária : 220V 60 Hz

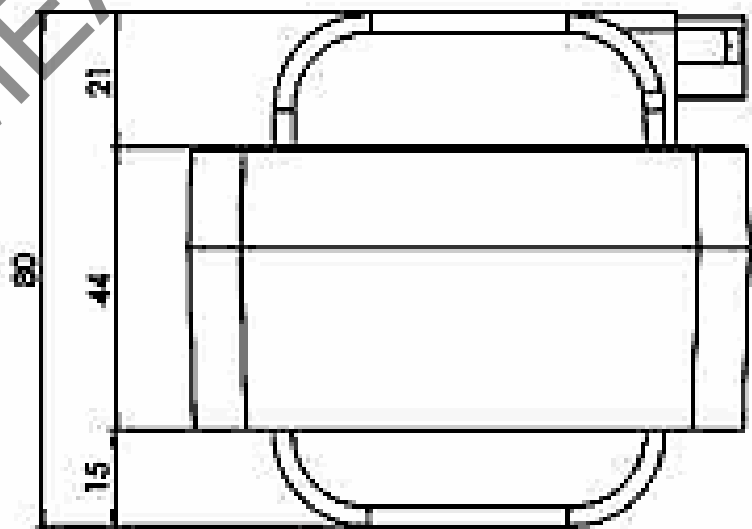
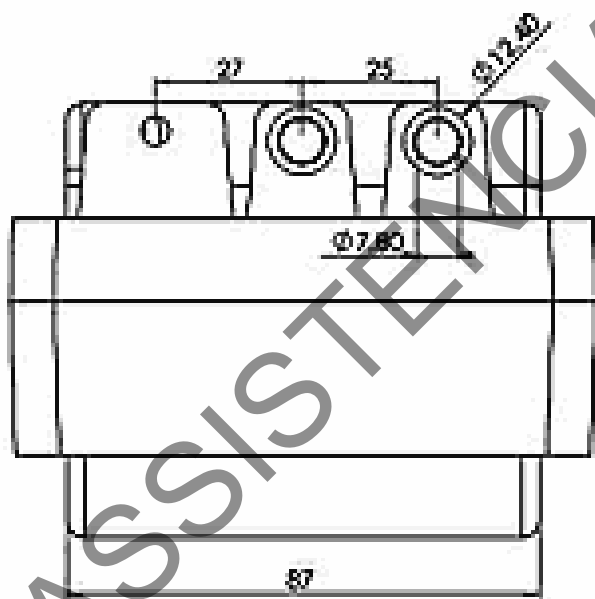
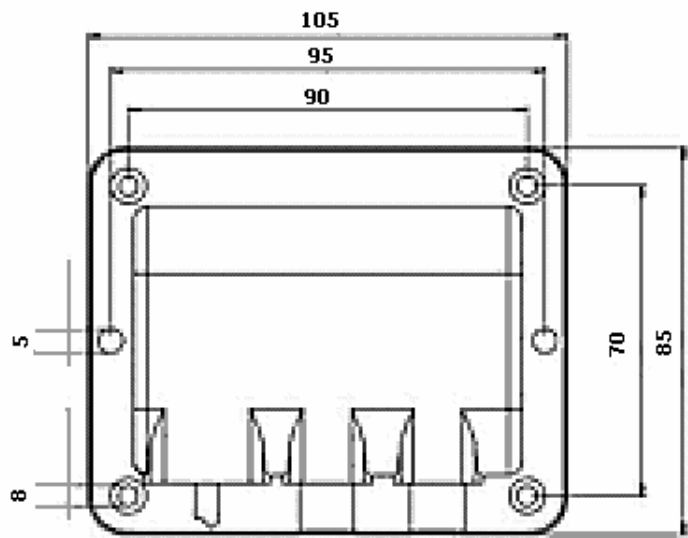
Corrente Primária : 1, 4 A

Voltagem Secundária : 2 X 5 kV ou 10.000 Volts

Corrente Secundária : 15 mA

Potencia 230VA

Desenhos:



IGNITION TRANSFORMERS TRG

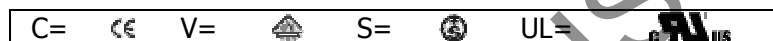
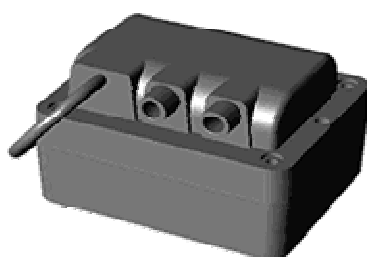
TRG1020PC

Transformer - series G grounded center

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The main intermittent and continuous models are technically approved - in accordance with VDE and SEV regulations - and can include accessories for Electromagnetic Compatibility, as tested in our laboratory.



Technical Information

Type	TRG1020PC	
Supply Voltage V (50 Hz)	220-230	
Primary Current A (50 Hz)	1,1	
Power VA	242	
Secondary Voltage kV	1x10	
Secondary Current mA	20	
Secondary Peak Voltage kV	14	
Duty ED% min.	DB 100%	

Views

