

dal 1968



SCAMBIATORI - BOLLITORI - SERBATOI



# IMMERSION HEATING ELEMENTS ON FLANGED CONNECTION



## APPLICATIONS

- Direct or backup heaters for DHW storage and production tanks
- Direct or backup heaters for hot water storage and production tanks

## DESCRIPTION

Electric heaters with flanged connections are available on request as separate parts. They must be installed in a DN100 or DN150 port provided on the storage tank for this specific purpose. All flanged connection elements are 1-phase, 230V/400V, made of Stainless Steel 316L pipes and Stainless Steel 304 flange PN16. They are equipped with an IP55 die-cast aluminium protective casing and a 30°C÷90°C temperature control thermostat.

## IMMERSION ELECTRIC HEATERS / STORAGE TANKS MATCHING TABLE

STORAGE TANK MODEL	SCREWED CONNECTION Ø	VOLTAGE Volt	TUBES MATERIAL	LENGTH mm	POWER kW	STORAGE TANK VOLUME (litre)												
						100	150	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Customized tanks: <sup>(1)</sup> - Standard dimensions - Bespoke fittings	DN 100	230/400	INOX 316	600	15					✓	✓	✓	✓	✓	✓	✓	✓	
				700	18					✓	✓	✓	✓	✓	✓	✓	✓	
				700	20					✓	✓	✓	✓	✓	✓	✓	✓	✓
				750	25					✓	✓	✓	✓	✓	✓	✓	✓	✓
				800	30					✓	✓	✓	✓	✓	✓	✓	✓	✓
	DN 150	230/400	INOX 316	1000	40							✓	✓	✓	✓	✓	✓	
				1200	50							✓	✓	✓	✓	✓	✓	

## REGULATORY COMPLIANCE

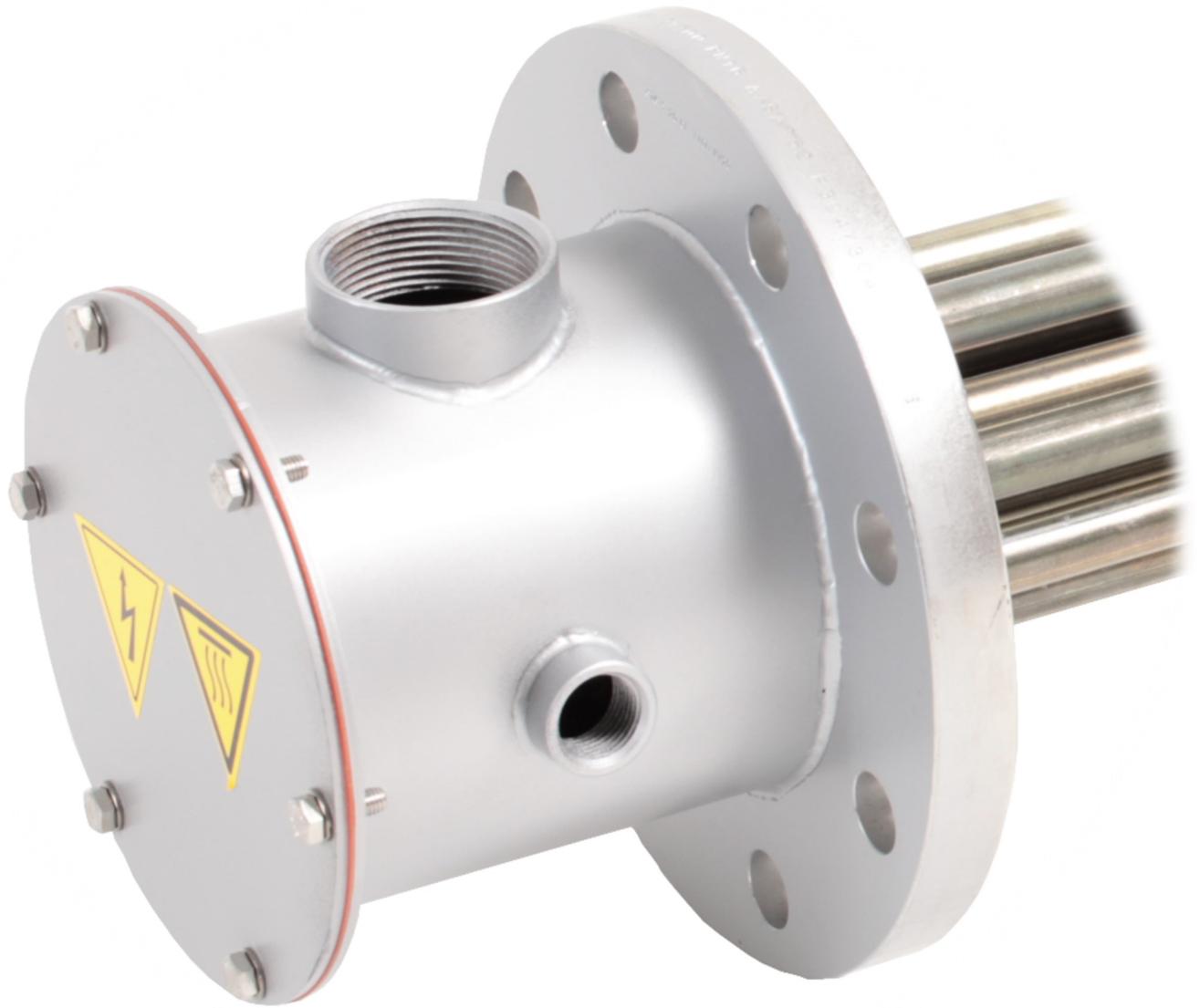
Directive 2014/35/UE | Low voltage directive

IEC EN 60335-1 | Safety of household and similar electrical appliances

Directive 2011/65/UE - RoHS .2 | Restriction of the use of certain hazardous substances in electrical and electronic equipment

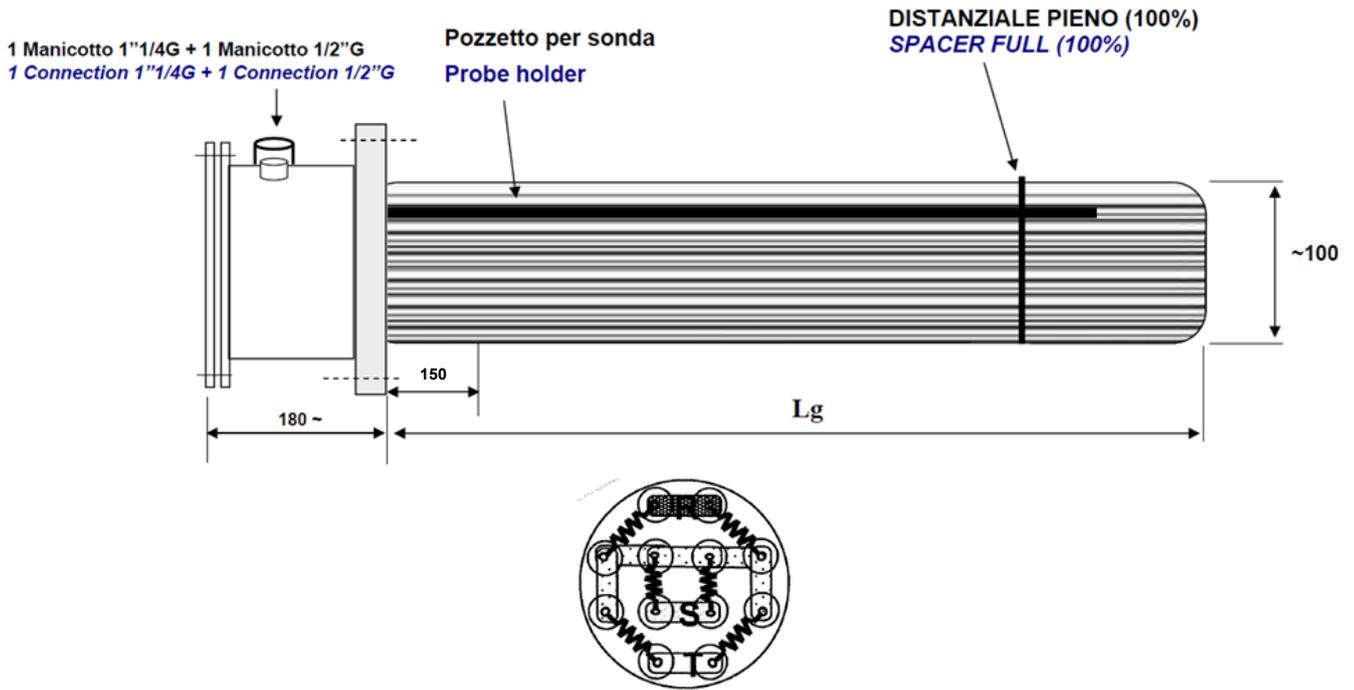
D.M. 174/04 | Compatible with potable water

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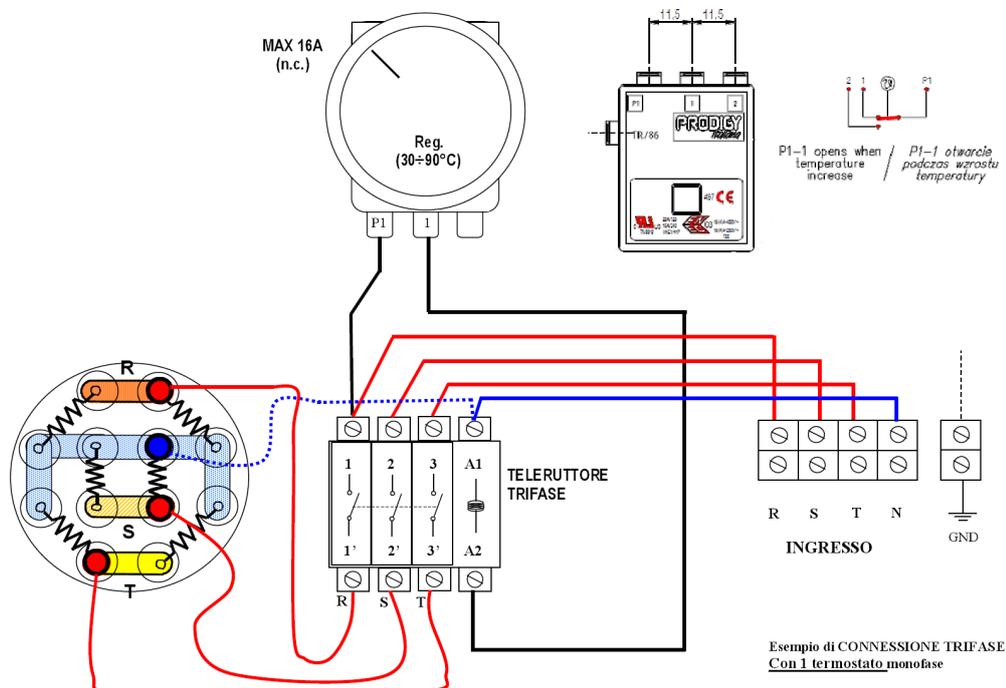
<sup>(1)</sup> In case of out-of-standard dimensions check the compatibility between the element length and the uninsulated tank diameter.

FLANGED PLUG HEATERS - General drawing and wiring diagram - 15÷30 kW

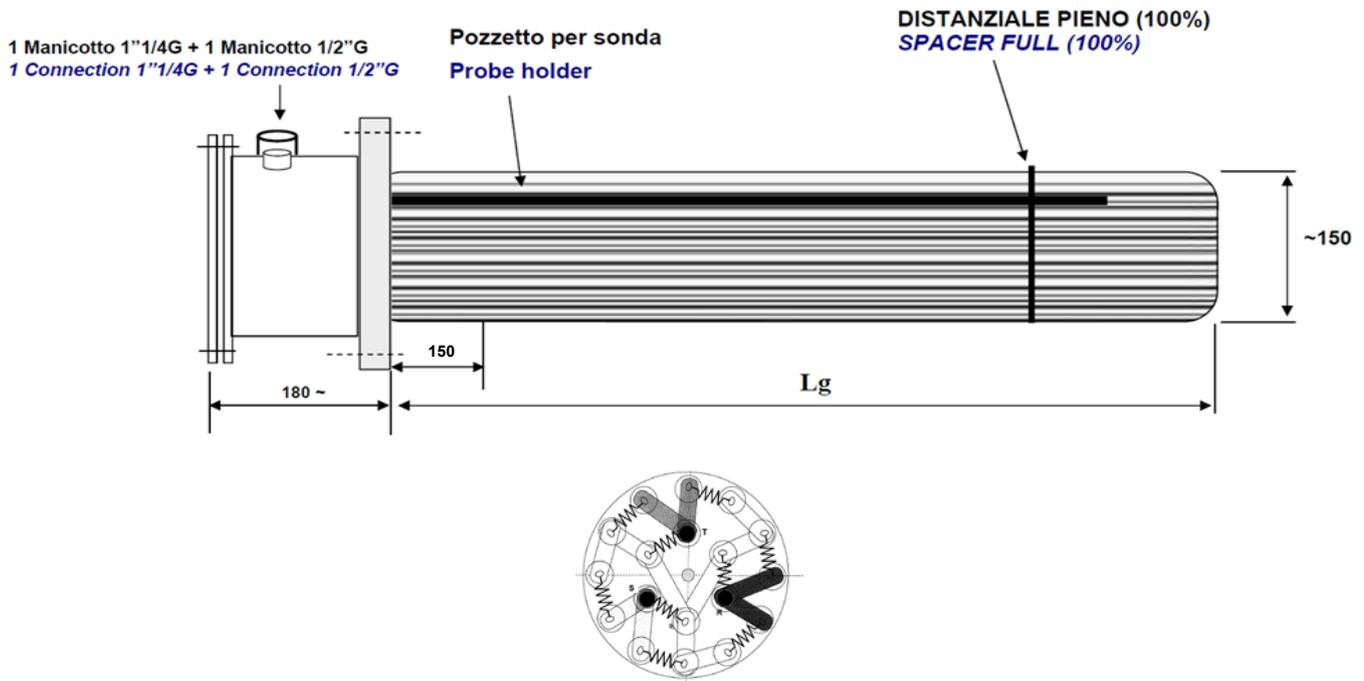


FLANGED PLUG					
kW	Volt	Lg (mm)	Ø FLANGE	W/cm <sup>2</sup>	Elements material
15	230/400	650	DN 100	4,8	AISI 316L
18		700	DN 100	5,0	AISI 316L
20		700	DN 100	5,9	AISI 316L
25		750	DN 100	6,8	AISI 316L
30		800	DN 100	7,2	AISI 316L

**Description:**  
 Immersion electric heater with 6 stainless steel elements Ø16 mm - length as detailed, first 100 mm are neutral.  
 - IP55 box  
 - Stainless steel 304 flange PN16  
 - 1x probe holder  
 - Automatic reset 1-PHASE thermostat 30°C ÷ 90°C  
 - 1x spacer  
 - 230V/400V star-wiring connection  
 - 1-PHASE  
 - Immersion in water, horizontal arrangement



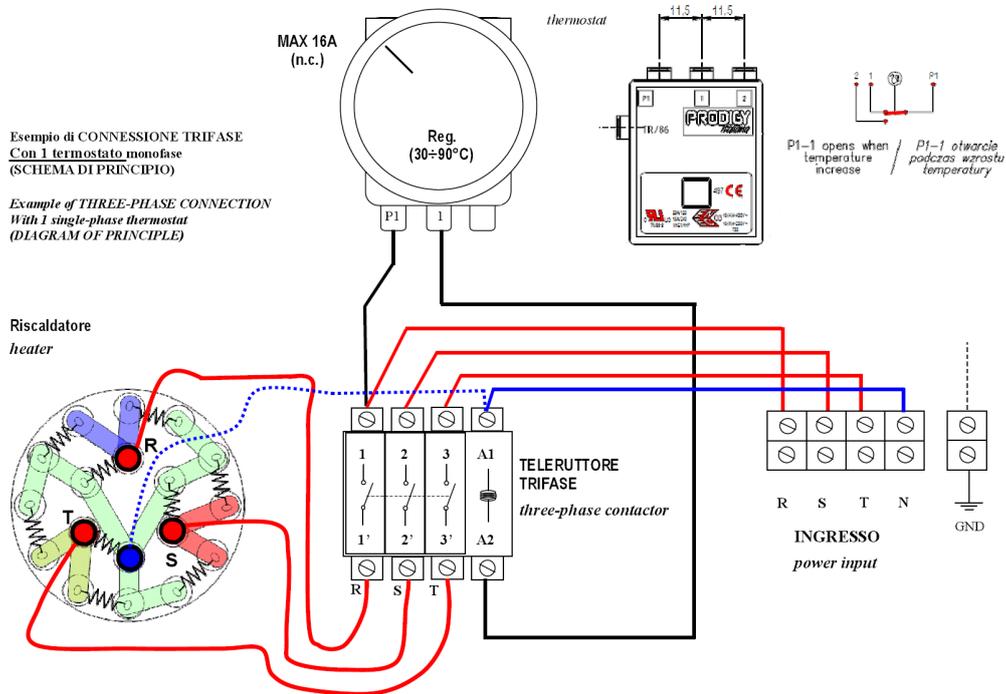
Esempio di CONNESSIONE TRIFASE  
 Con 1 termostato monofase



FLANGED PLUG					
kW	Volt	Lg (mm)	Ø FLANGE	W/cm <sup>2</sup>	Elements material
45	230/400	1000	DN 150	5,2	AISI 316L
50		1200	DN 150	5,3	AISI 316L

**Description:**  
Immersion electric heater with 9 stainless steel elements Ø16 mm - length as detailed, first 150 mm are neutral.

- IP55 box
- Stainless steel 304 flange PN16
- 1x probe holder
- Automatic reset 1-PHASE thermostat 30°C±90°C
- 1x spacer
- 230V/400V star-wiring connection
- 1-PHASE
- Immersion in water, horizontal arrangement



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