

Section 5

Immersion heaters without connection box, stainless steel tubes dia. 8mm

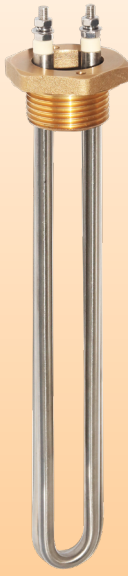

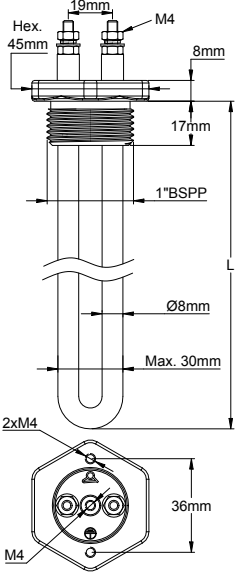
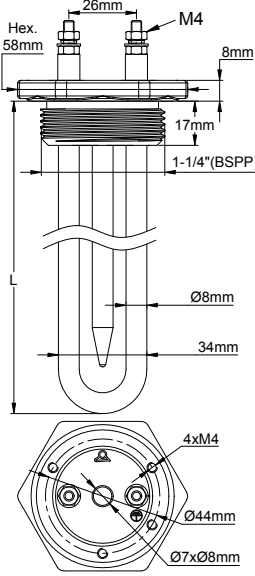
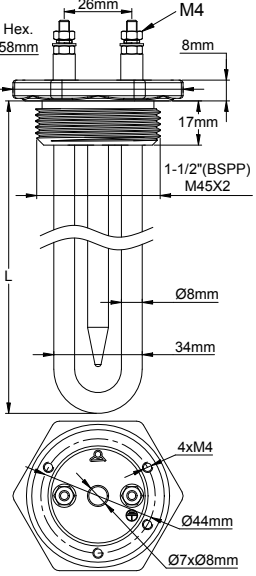




Immersion heaters

Immersion heaters with a single hairpin heating element, **brazed brass fitting**, with cylindrical thread **1" BSPP; 1"1/4 BSPP; 1"1/2 BSPP; M45x2.**

Type 9RBU1

				
With 1" BSPP fitting	With 1"1/4 BSPP, 1"1/2 BSPP and M42x2 fittings	With 1" BSPP fitting	With 1"1/4 BSPP fitting	With 1"1/2 BSPP or M45x2 fitting

Main applications: Heating of liquids, hot water circuits, containers and buffer tanks. They exist in standard in 2 types of surface load density: 5W/cm² and 10W/cm² (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Brass, brazed on tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 1" BSPP; 1"1/4 BSPP; 1"1/2 BSPP (ISO 228); M45x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements. (Not available on 1" fittings)

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 50mm including the length inside the fitting.

Surface load: Standard 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Main references with 1"1/2 fitting* without pocket **

Surface load	5W/cm ²			
Power of heating element	500w	1kW	1.5kW	2kW
Length L (mm)	250	450	650	850
Reference in Aisi 304	9RBU180C05052325	9RBU180C10052345	9RBU180C15052365	9RBU180C20052385
Reference in Incolloy 800	9RBU188C05052325	9RBU188C10052345	9RBU188C15052365	9RBU188C20052385
Surface load	10W/cm ²			
Power of heating element	1kW	1.5kW	2kW	3kW
Length L (mm)	250	350	450	650
Reference in Aisi 304	9RBU180C100A2325	9RBU180C150A2335	9RBU180C200A2345	9RBU180C300A2365
Reference in Incolloy 800	9RBU188C100A2325	9RBU188C150A2335	9RBU188C200A2345	9RBU188C300A2365

*1" fitting, replace C by A; 1"1/4 fitting, replace C by B; M45 fitting, replace C by D.

**With pocket, replace U1 by UA (Not available with 1" fitting).

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Immersion heaters

References of accessories in option
(not included in the product, must be ordered separately):

Nuts

	Thread	1"	1"1/4	1"1/2	M45x200
	Brass	9BBRA3000ELH047A	9BRRA3000ELH302A	9BRRA3000ELH303A	9BRRA3000ELH305A
	AISI304	9BBRA3000ELH257A	9BRRA3000ELH032A	9BRRA3000ELH006A	9BRRA3000ELH049A
	AISI316	9BBRA3000ELH258A	9BRRA3000ELH202A	9BRRA3000ELH203A	9BRRA3000ELH205A

Gaskets

	Thread	1"	1"1/4	1"1/2 - M45x200
	NBR	9BRJO3000ELH210A	9BRJO3000ELH206A	9BRJO3000ELH205A
	Fiber	9BRJO3000ELH209A	9BRJO3000ELH052A	9BRJO3000ELH007A
	PTFE	9BBJO3000000005A	9BRJO3000ELH032A	9BRJO3000ELH033A

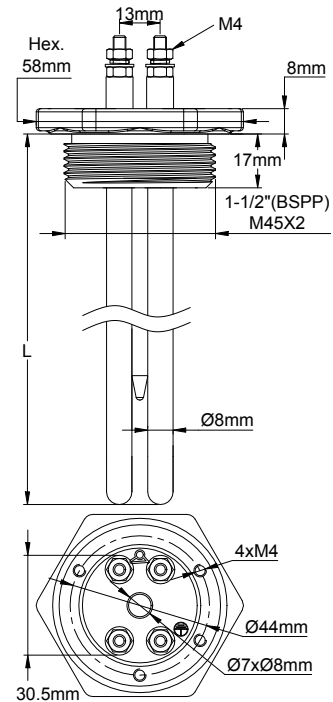
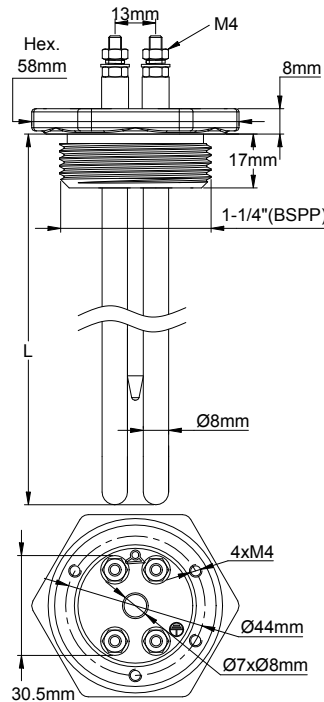
Other accessories and drawings: see last section of this catalogue



Immersion heaters

Immersion heaters with two hairpin heating elements, **brazed brass fitting**, with cylindrical thread **1"1/4 BSPP; 1"1/2 BSPP; M45x2**.

Type 9RBU2



With 1"1/4 BSPP, 1"1/2 BSPP and M42x2 fittings

With 1"1/4 BSPP fitting

With 1"1/2 BSPP or M45x2 fitting

Main applications: Heating of liquids, hot water circuits, containers and buffer tanks.

They exist in standard in 2 types of surface load density: 5W/cm² and 10W/cm² (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Brass, brazed on tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 1"1/4 BSPP ; 1"1/2 BSPP (ISO 228); M45x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 50mm including the length inside the fitting.

Surface load: Standard 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Main references with 1"1/2 fitting* without pocket **

Surface load	5W/cm ²			
Total power	1Kw	2kW	3kW	4kW
Length L (mm)	250	450	650	850
Reference in Aisi 304	9RBU280C10052325	9RBU280C20052345	9RBU280C30052365	9RBU280C40052385
Reference in Incolloy 800	9RBU288C10052325	9RBU288C20052345	9RBU288C30052365	9RBU288C40052385
Surface load	10W/cm ²			
Total power	2kW	3kW	4kW	6kW
Length L (mm)	250	350	450	650
Reference in Aisi 304	9RBU280C200A2325	9RBU280C300A2335	9RBU280C400A2345	9RBU280C600A2365
Reference in Incolloy 800	9RBU288C200A2325	9RBU288C300A2335	9RBU288C400A2345	9RBU288C600A2365

* 1" fitting not available with 2 heating elements; 1"1/4 fitting, replace C by B; M45 fitting, replace C by D.

** With pocket, replace U2 by UB.



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Immersion heaters

References of accessories in option
(not included in the product, must be ordered separately):

Nuts

	Thread	1"1/4	1"1/2	M45x200
	Brass	9BRRA3000ELH302A	9BRRA3000ELH303A	9BRRA3000ELH305A
	AISI304	9BRRA3000ELH032A	9BRRA3000ELH006A	9BRRA3000ELH049A
	AISI316	9BRRA3000ELH202A	9BRRA3000ELH203A	9BRRA3000ELH205A

Gaskets

	Thread	1"1/4	1"1/2 - M45x200
	NBR	9BRJ03000ELH206A	9BRJ03000ELH205A
	Fiber	9BRJ03000ELH052A	9BRJ03000ELH007A
	PTFE	9BRJ03000ELH032A	9BRJ03000ELH033A

Other accessories and drawings: see last section of this catalogue

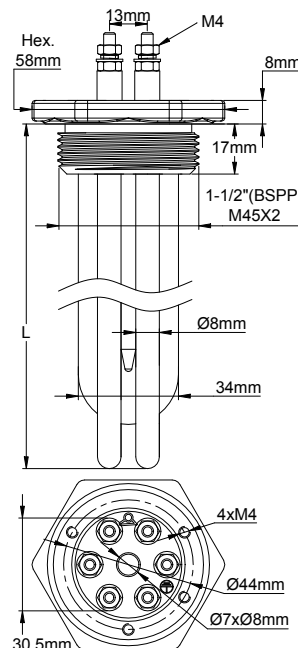
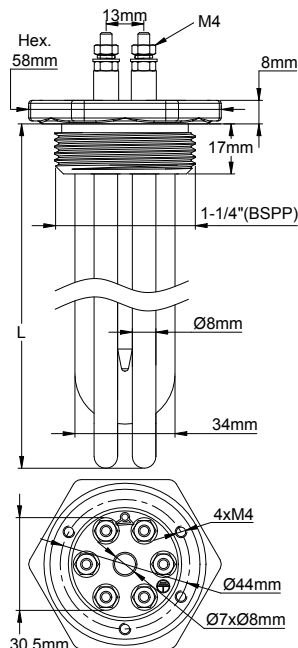
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Immersion heaters

Immersion heaters with 3 hairpin heating elements, **brazed brass fitting**, with cylindrical thread **1"1/4 BSPP; 1"1/2 BSPP; M45x2.**

Type 9RBU3



With 1"1/4 BSPP, 1"1/2 BSPP and M42x2 fittings

With 1"1/4 BSPP fitting

With 1"1/2 BSPP or M45x2 fitting

Main applications: Heating of liquids, hot water circuits, containers and buffer tanks.

They exist in standard in 2 types of surface load density: 5W/cm² and 10W/cm² (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Brass, brazed on tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 1"1/4 BSPP ; 1"1/2 BSPP (ISO 228); M45x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 50mm including the length inside the fitting.

Surface load: Standard 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Option: Set of 4 brass jumpers for star-triangle commutation in 3 phases or connection of 3 heating elements in parallel.

Main references with 1"1/2 fitting* without pocket **

Surface load	5W/cm ²			
Total power	1.5Kw	3kW	4.5kW	6kW
Length L (mm)	250	450	650	850
Reference in Aisi 304	9RBU380C15052325	9RBU380C30052345	9RBU380C45052365	9RBU380C60052385
Reference in Incolloy 800	9RBU388C15052325	9RBU388C30052345	9RBU388C45052365	9RBU388C60052385
Surface load	10W/cm ²			
Total power	3kW	4.5kW	6kW	9kW
Length L (mm)	250	350	450	650
Reference in Aisi 304	9RBU380C300A2325	9RBU380C450A2335	9RBU380C600A2345	9RBU380C900A2365
Reference in Incolloy 800	9RBU388C300A2325	9RBU388C450A2335	9RBU388C600A2345	9RBU388C900A2365

* 1" fitting not available with 3 heating elements; 1"1/4 fitting, replace C by B; M45 fitting, replace C by D.

** With pocket, replace U3 by UC.



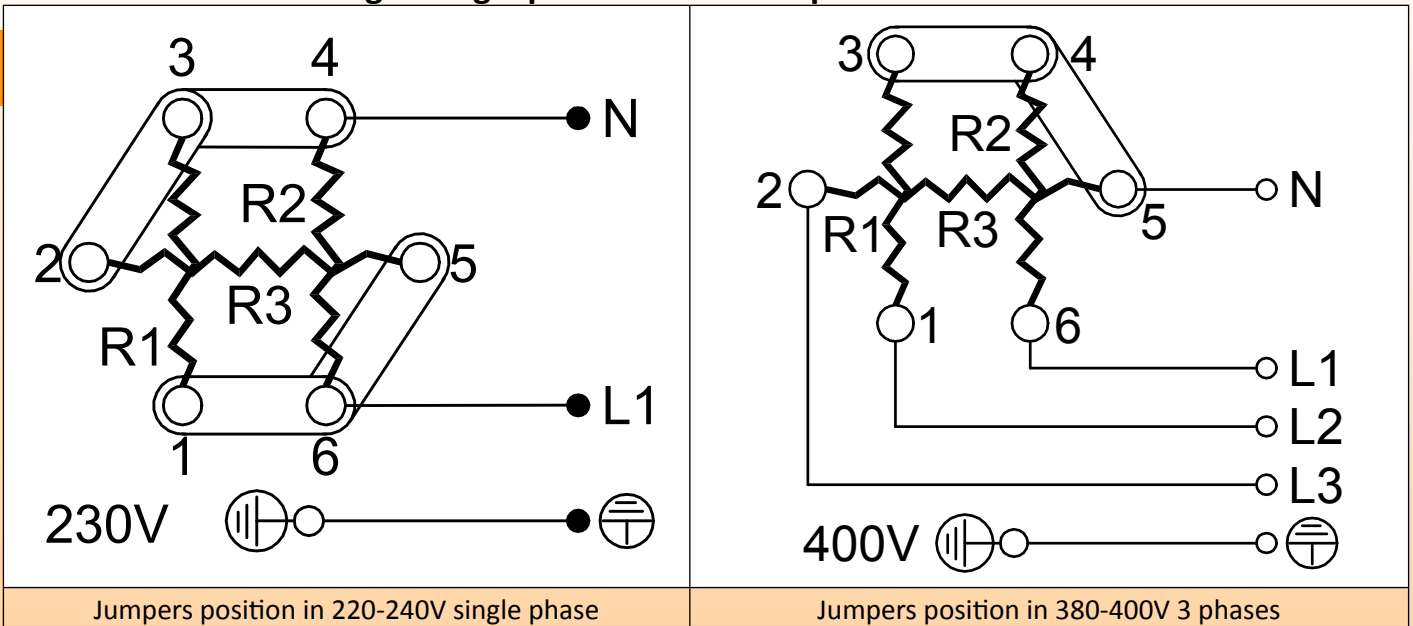
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Immersion heaters

Electric Wiring in single phase 230V and 3 phases 400V star connection




Jumpers position in 220-240V single phase



Jumpers position in 380-400V 3 phases

References of accessories in option (not included in the product, must be ordered separately):

Nuts

	Thread	1"1/4	1"1/2	M45x200
	Brass	9BRR3000ELH302A	9BRR3000ELH303A	9BRR3000ELH305A
	AISI304	9BRR3000ELH032A	9BRR3000ELH006A	9BRR3000ELH049A
	AISI316	9BRR3000ELH202A	9BRR3000ELH203A	9BRR3000ELH205A

Gaskets

	Thread	1"1/4	1"1/2 - M45x200	Jumpers
	NBR	9BRJ03000ELH206A	9BRJ03000ELH205A	
	Fiber	9BRJ03000ELH052A	9BRJ03000ELH007A	
	PTFE	9BRJ03000ELH032A	9BRJ03000ELH033A	9BRCO1SE4ELH001A

Other accessories and drawings: see last section of this catalogue

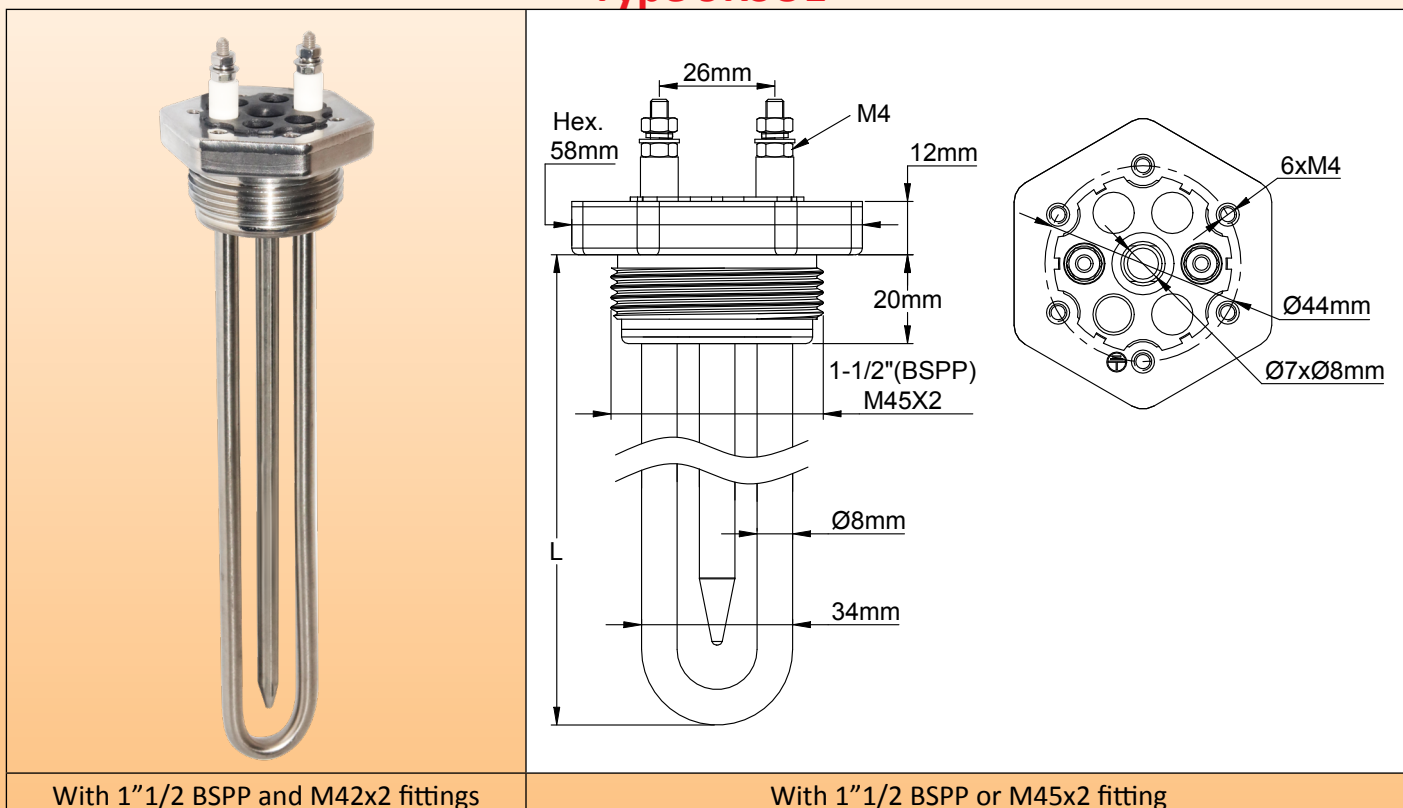
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Immersion heaters

Full stainless steel immersion heaters with a single hairpin heating element, TIG welded **stainless steel fitting (Without brazing)**, with cylindrical thread **1"1/2 BSPP; M45x2**.

Type 9RSU1



Main applications: These immersion heaters with full stainless steel construction are intended for liquid heating applications in scientific, medical, pharmaceutical or food fields, as well as for applications in corrosive environments. All welds are TIG, without any brazing. Liquids are in contact with stainless steel only

They exist in standard in 2 types of surface load density: 5W/cm² and 10W/cm² (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Stainless steel, TIG welded to the heating elements. The heated liquid is in contact only with stainless steel. The fitting material is AISI 304 for models with AISI 304, AISI 321 and Incolloy tubes, and AISI 316 for models with AISI316 tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 1"1/2 BSPP (ISO 228); M45x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washersP9

Ground connection: M4 threaded hole

Not heating immersed zone: 50mm including the length inside the fitting.

Surface load: Standard 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Option*:** On request, the stainless steel fitting can be filled with epoxy resin, which provides incomparable protection against the penetration of moisture into the heating elements, especially when the environment is very humid and the heating elements only operate occasionally and for short periods.

Main references with 1"1/2 fitting* in Aisi 304, without pocket **

Surface load	5W/cm ²			
	500w	1kW	1.5kW	2kW
Length L (mm)	250	450	650	850
Reference in Aisi 304	9RSU180C05052325	9RSU180C10052345	9RSU180C15052365	9RSU180C20052385
Reference in Incolloy 800	9RSU188C05052325	9RSU188C10052345	9RSU188C15052365	9RSU188C20052385



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Immersion heaters

Surface load	10W/cm ²			
Power of heating element	1kW	1.5kW	2kW	3kW
Length L (mm)	250	350	450	650
Reference in Aisi 304	9RSU180C100A2325	9RSU180C150A2335	9RSU180C200A2345	9RSU180C300A2365
Reference in Incolloy 800	9RSU188C100A2325	9RSU188C150A2335	9RSU188C200A2345	9RSU188C300A2365


*M45 fitting, replace C by D.

**With pocket, replace U1 by UA


*** Aisi 304 fitting with epoxy filling, replace SU by SV

References of accessories in option (not included in the product, must be ordered separately):

Nuts

	Thread	1"1/2	M45x200
	Brass	9BRRA3000ELH303A	9BRRA3000ELH305A
	AISI304	9BRRA3000ELH006A	9BRRA3000ELH049A
	AISI316	9BRRA3000ELH203A	9BRRA3000ELH205A

Gaskets

	Thread	1"1/2 - M45x200
	NBR	9BRJ03000ELH205A
	Fiber	9BRJ03000ELH007A
	PTFE	9BRJ03000ELH033A

Other accessories and drawings: see last section of this catalogue

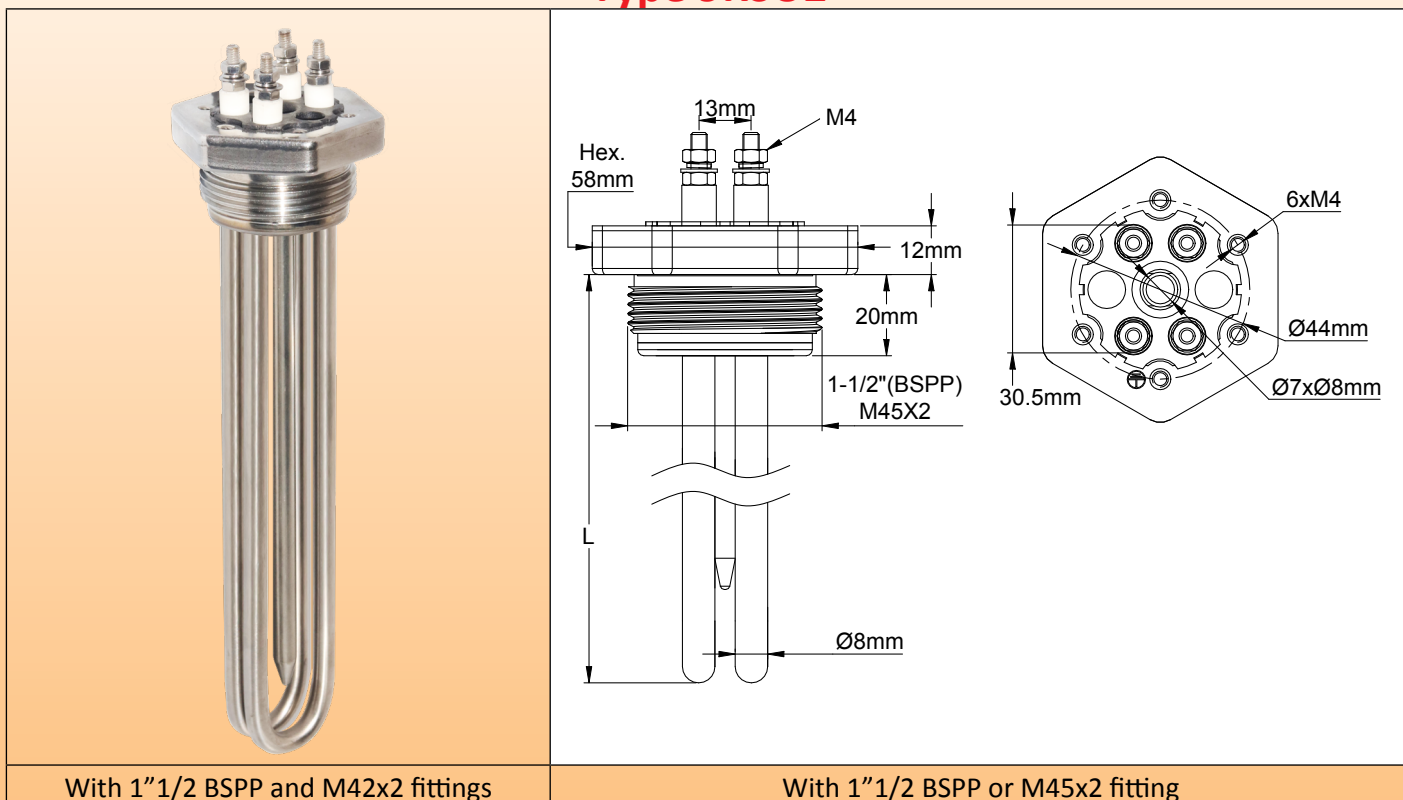
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Immersion heaters

Full stainless steel immersion heaters with two hairpin heating elements, TIG welded **stainless steel fitting (Without brazing)**, with cylindrical thread 1"1/2 BSPP; M45x2.

Type 9RSU2



Main applications: These immersion heaters with full stainless steel construction are intended for liquid heating applications in scientific, medical, pharmaceutical or food fields, as well as for applications in corrosive environments. All welds are TIG, without any brazing. Liquids are in contact with stainless steel only

They exist in standard in 2 types of surface load density: 5W/cm² and 10W/cm² (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Stainless steel, TIG welded to the heating elements. The heated liquid is in contact only with stainless steel. The fitting material is AISI 304 for models with AISI 304, AISI 321 and Incolloy tubes, and AISI 316 for models with AISI316 tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 1"1/2 BSPP (ISO 228); M45x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 50mm including the length inside the fitting..

Surface load: Standard 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Option*:** On request, the stainless steel fitting can be filled with epoxy resin, which provides incomparable protection against the penetration of moisture into the heating elements, especially when the environment is very humid and the heating elements only operate occasionally and for short periods.

Main references with 1"1/2 fitting* in Aisi 304, without pocket **

Surface load	5W/cm ²			
Power of heating element	10kW	2kW	3kW	4kW
Length L (mm)	250	450	650	850
Reference in Aisi 304	9RSU280C10052325	9RSU280C20052345	9RSU280C30052365	9RSU280C40052385
Reference in Incolloy 800	9RSU288C10052325	9RSU288C20052345	9RSU288C30052365	9RSU288C40052385



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Immersion heaters

Surface load	10W/cm ²			
Power of heating element	2kW	3kW	4kW	6kW
Length L (mm)	250	350	450	650
Reference in Aisi 304	9RSU280C200A2325	9RSU280C300A2335	9RSU280C400A2345	9RSU280C600A2365
Reference in Incolloy 800	9RSU288C200A2325	9RSU288C300A2335	9RSU288C400A2345	9RSU288C600A2365


*M45 fitting, replace C by D.

**With pocket, replace U2 by UB


*** Aisi 304 fitting with epoxy filling, replace SU by SV

References of accessories in option (not included in the product, must be ordered separately):

Nuts

	Thread	1"1/2	M45x200
	Brass	9BRRA3000ELH303A	9BRRA3000ELH305A
	AISI304	9BRRA3000ELH006A	9BRRA3000ELH049A
	AISI316	9BRRA3000ELH203A	9BRRA3000ELH205A

Gaskets

	Thread	1"1/2 - M45x200
	NBR	9BRJ03000ELH205A
	Fiber	9BRJ03000ELH007A
	PTFE	9BRJ03000ELH033A

Other accessories and drawings: see last section of this catalogue

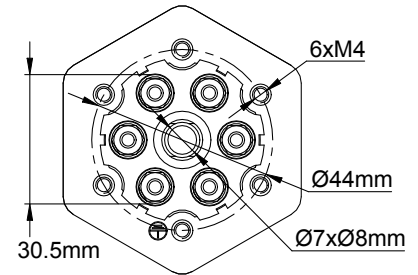
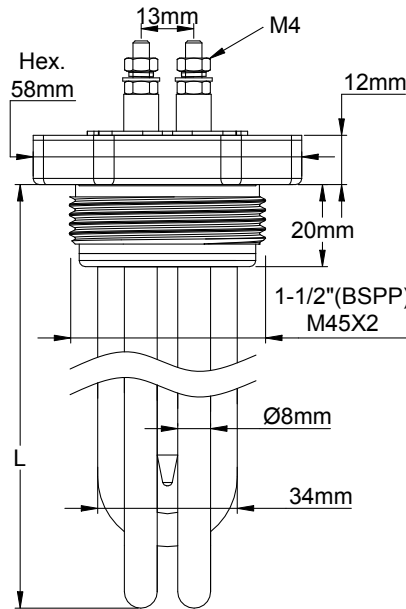
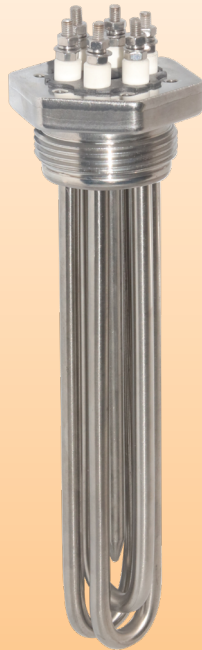
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Immersion heaters

Full stainless steel immersion heaters with 3 hairpin heating elements, TIG welded **stainless steel fitting (Without brazing)**, with cylindrical thread **1"1/2 BSPP; M45x2.**

Type 9RSU3



With 1"1/2 BSPP and M42x2 fittings

With 1"1/2 BSPP or M45x2 fitting

Main applications: These immersion heaters with full stainless steel construction are intended for liquid heating applications in scientific, medical, pharmaceutical or food fields, as well as for applications in corrosive environments. All welds are TIG, without any brazing. Liquids are in contact with stainless steel only

They exist in standard in 2 types of surface load density: 5W/cm² and 10W/cm² (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Stainless steel, TIG welded to the heating elements. The heated liquid is in contact only with stainless steel. **The fitting material is AISI 304 for models with AISI 304, AISI 321 and Incolloy tubes, and AISI 316 for models with AISI316 tubes.** Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 1"1/2 BSPP (ISO 228); M45x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 50mm including the length inside the fitting.

Surface load: Standard 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Option 1: Set of 4 brass jumpers for star-triangle commutation in 3 phases or connection of 3 heating elements in parallel.

Option 2*:** On request, the stainless steel fitting can be filled with epoxy resin, which provides incomparable protection against the penetration of moisture into the heating elements, especially when the environment is very humid and the heating elements only operate occasionally and for short periods.

Main references with 1"1/2 fitting* in Aisi 304, without pocket **

Surface load	5W/cm ²			
Power of heating element	10kW	2kW	3kW	4kW
Length L (mm)	250	450	650	850
Reference in Aisi 304	9RSU280C10052325	9RSU280C20052345	9RSU280C30052365	9RSU280C40052385
Reference in Incolloy 800	9RSU288C10052325	9RSU288C20052345	9RSU288C30052365	9RSU288C40052385



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Immersion heaters

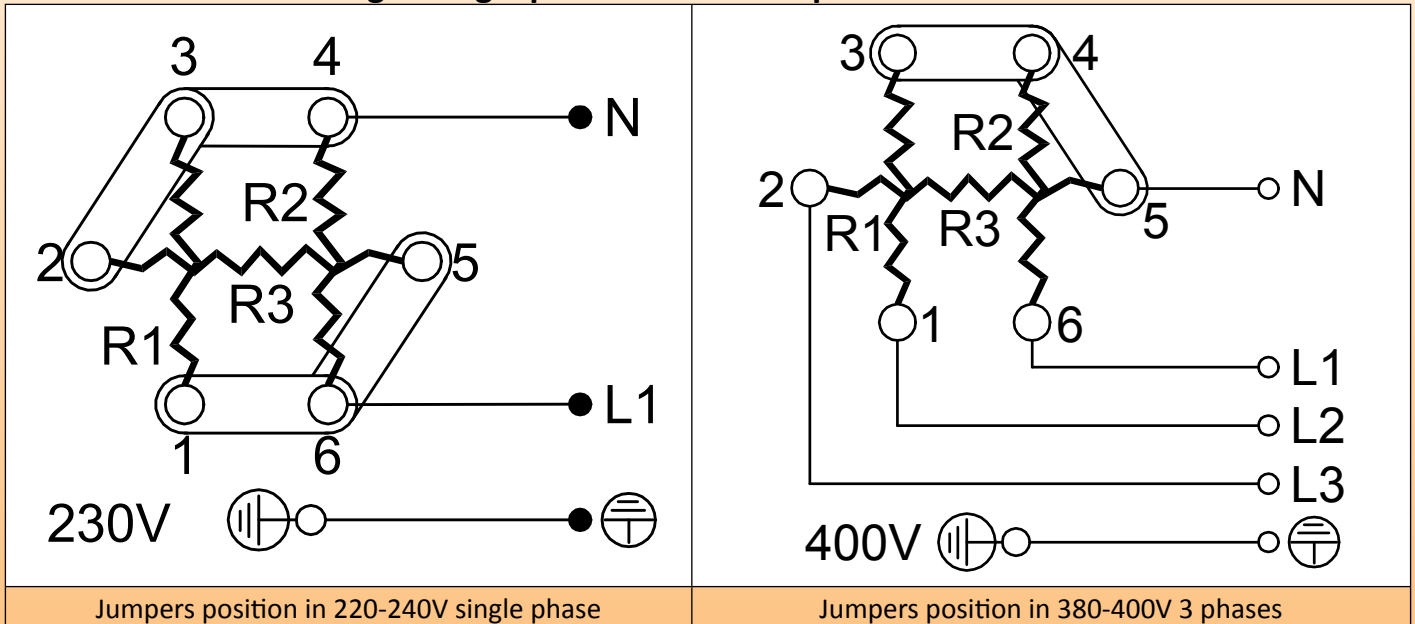
Surface load	10W/cm ²			
Power of heating element	2kW	3kW	4kW	6kW
Length L (mm)	250	350	450	650
Reference in Aisi 304	9RSU280C200A2325	9RSU280C300A2335	9RSU280C400A2345	9RSU280C600A2365
Reference in Incolloy 800	9RSU288C200A2325	9RSU288C300A2335	9RSU288C400A2345	9RSU288C600A2365

*M45 fitting, replace C by D.

**With pocket, replace U2 by UB


*** Aisi 304 fitting with epoxy filling, replace SU by SV

Electric Wiring in single phase 230V and 3 phases 400V star connection





References of accessories in option (not included in the product, must be ordered separately):

Nuts

	Thread	1"1/2	M45x200
	Brass	9BRR3000ELH303A	9BRR3000ELH305A
	AISI304	9BRR3000ELH006A	9BRR3000ELH049A
	AISI316	9BRR3000ELH203A	9BRR3000ELH205A

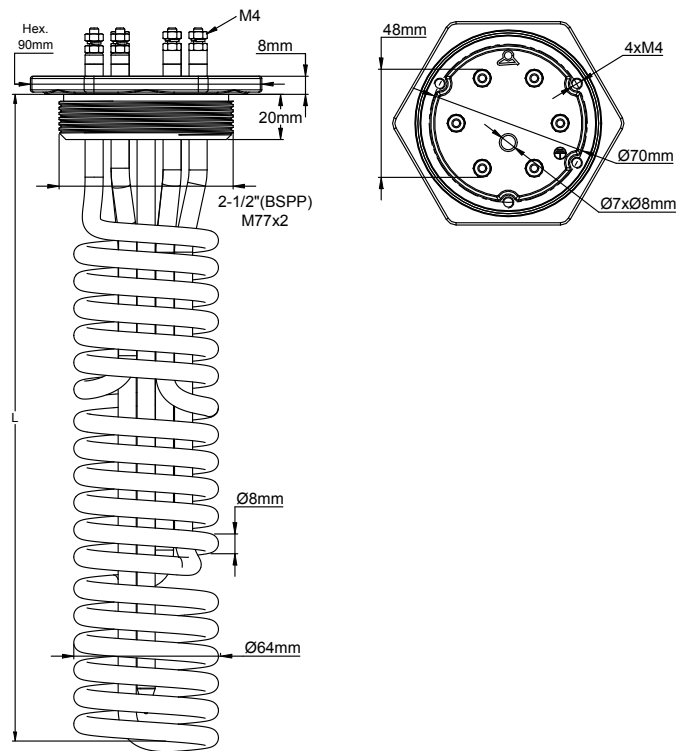
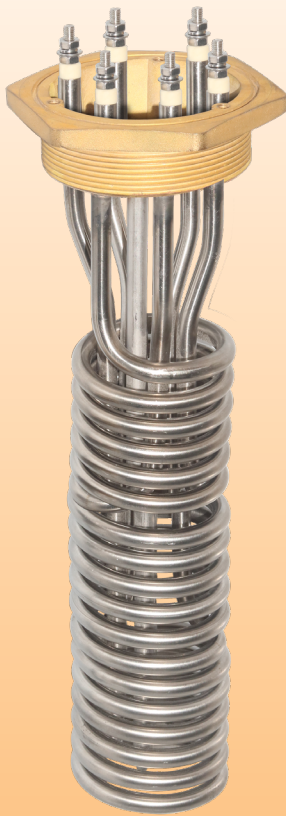
Gaskets

	Thread	1"1/2 - M45x200	Jumpers
	NBR	9BRJ03000ELH205A	
	Fiber	9BRJ03000ELH007A	
	PTFE	9BRJ03000ELH033A	9BRCO1SE4ELH001A

Other accessories and drawings: see last section of this catalogue

Immersion heaters

Ultra-short immersion heaters with 3 helical heating elements, **brazed brass fitting**, available in 2"1/2 and M77 x 2
Type 9RBW3



With 2"1/2 BSPP and M77x2 fittings

With 2"1/2 BSPP and M77x2 fittings

Main applications: Heating of liquids, hot water circuits, containers and buffer tanks. They provide significant power to heat liquids **when the available depth is limited**.

They exist in standard in 3 types of surface load density: 2W/cm², 5W/cm² and 10W/cm². **The 2W / cm² load is recommended for heating viscous products such as oils and fats.** (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Brass, brazed on tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 2"1/2 BSPP (ISO 228); M77x2.

Thermowell: Dia. 7x8mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 60mm including the length inside the fitting.

Surface load: Standard 2W/cm², 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Option: Set of 4 brass jumpers for star-triangle commutation in 3 phases or connection of 3 heating elements in parallel.

Main references with 2"1/2 brass fitting* without pocket **

	2W/cm ²	5W/cm ²	10W/cm ²
Total power	1.8 Kw	4.5 Kw	9 Kw
Length L (mm)	290	290	290
Reference in Aisi 304	9RBW380H18022329	9RBW380H45052329	9RBW380H900A2329
Reference in Incolloy 800	9RBW388H18022329	9RBW388H45052329	9RBW388H9005A329

*M77 fitting, replace H by G.

**With pocket, replace W3 by WC.



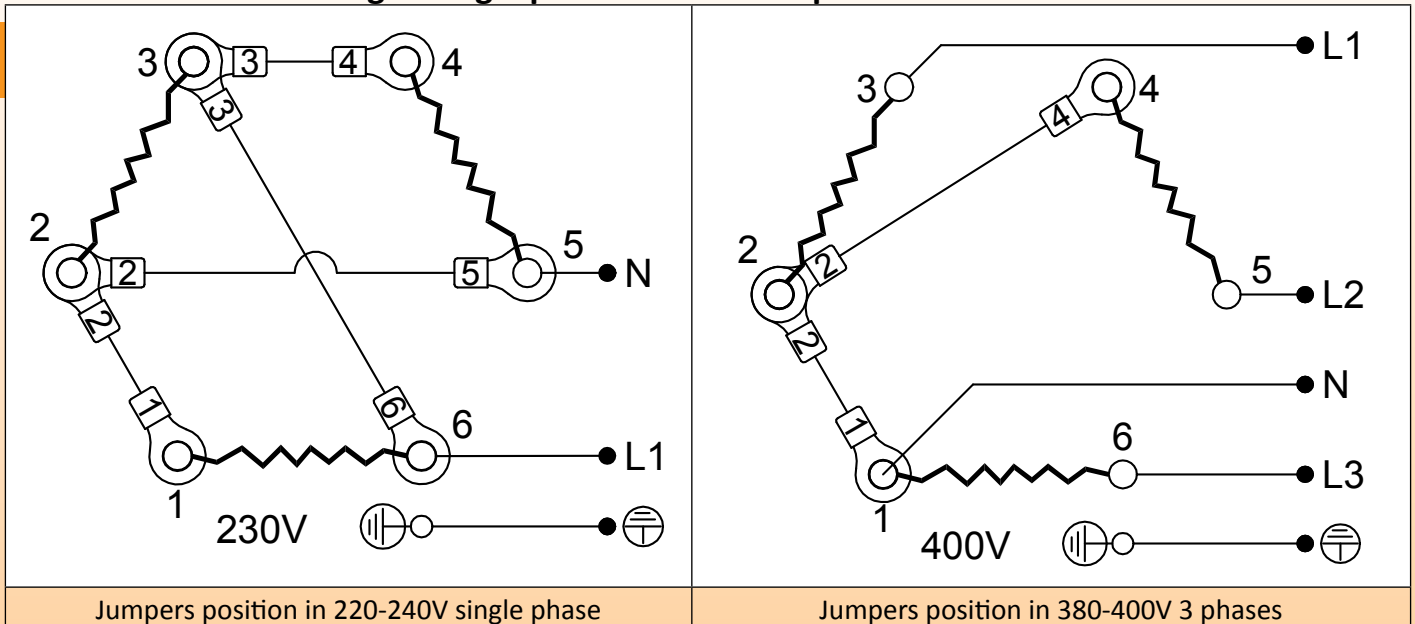
Contact us

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Cat22-4-5-15


Immersion heaters

Electric Wiring in single phase 230V and 3 phases 400V star connection




References of accessories in option (not included in the product, must be ordered separately):

Nuts

	Thread	2"1/2	M77x2
	Brass	9BRR3000ELH314A	9BRR3000ELH306A
	AISI304	9BRR3000ELH142A	9BRR3000ELH150A
	AISI316	9BRR3000ELH214A	9BRR3000ELH206A

Gaskets

	Thread	2"1/2- M77x2
	NBR	9BRJ03000ELH201A
	Fiber	9BRJ03000ELH030A
	PTFE	9BRJ03000ELH036A

2.5mm² Jumpers

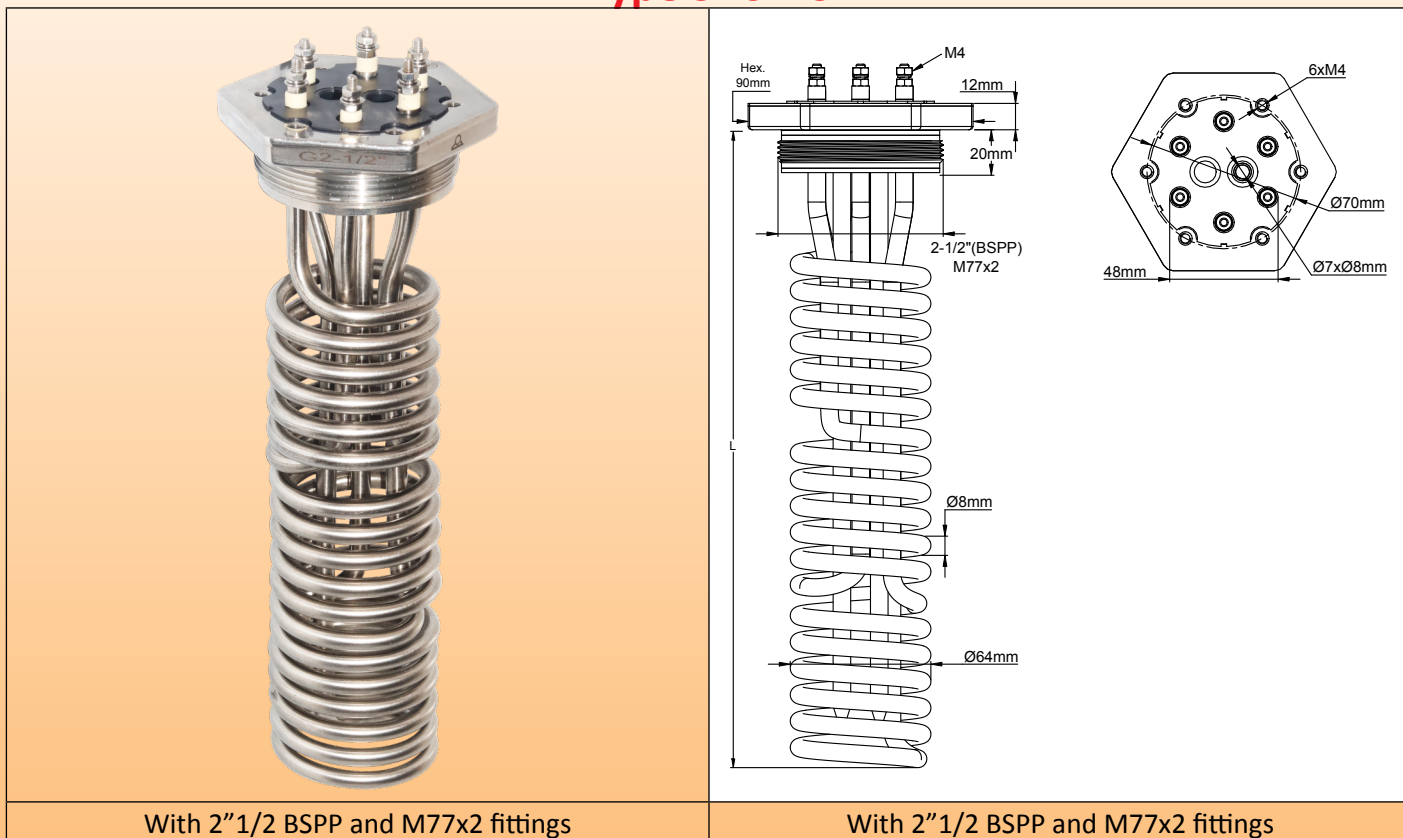

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Other accessories and drawings: see last section of this catalogue

Immersion heaters

Full stainless steel ultra-short immersion heaters with 3 helical heating elements, TIG welded **stainless steel fitting (Without brazing)**, with cylindrical thread 2"1/2 and M77 x 2
Type 9RSW3

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice



With 2"1/2 BSPP and M77x2 fittings

With 2"1/2 BSPP and M77x2 fittings

Main applications: Heating of liquids, hot water circuits, containers and buffer tanks. They provide significant power to heat liquids **when the available depth is limited**.

They exist in standard in 3 types of surface load density: 2W/cm², 5W/cm² and 10W/cm². **The 2W/cm² load is recommended for heating viscous products such as oils and fats.** (Others available on request). See the technical introduction to select the best surface load.

Many enclosures for these heaters are available in our catalogue N°11.

Heater tube material: 8mm dia. in AISI 304 or Incolloy 800 (AISI 316; AISI 321; Incolloy 825 on request).

Fitting material: Brass, brazed on tubes. Supplied without gasket and without nut. See accessories below. These fittings have M4 threaded holes for connection box assembly

Thread: 2"1/2 BSPP (ISO 228); M77x2.

Thermowell: Dia. 8x7mm, using the same material than heating elements.

Heating elements connections: Stainless steel M4 screw terminals, nuts and washers

Ground connection: M4 threaded hole

Not heating immersed zone: 60mm including the length inside the fitting.

Surface load: Standard 2W/cm², 5 W/cm² or 10 W/cm², others values on request.

Voltage: 230-240V single phase (110-115V and 380-400V on request)

Option: Set of 4 brass jumpers for star-triangle commutation in 3 phases or connection of 3 heating elements in parallel.

Main references with 2"1/2 brass fitting* without pocket **

	2W/cm ²	5W/cm ²	10W/cm ²
Total power	1.8 Kw	4.5 Kw	9 Kw
Length L (mm)	290	290	290
Reference in Aisi 304	9RBW380H18022329	9RBW380H45052329	9RBW380H900A2329
Reference in Incolloy 800	9RBW388H18022329	9RBW388H45052329	9RBW388H9005A329

* M77 fitting, replace H by G.

** With pocket, replace W3 by WC.



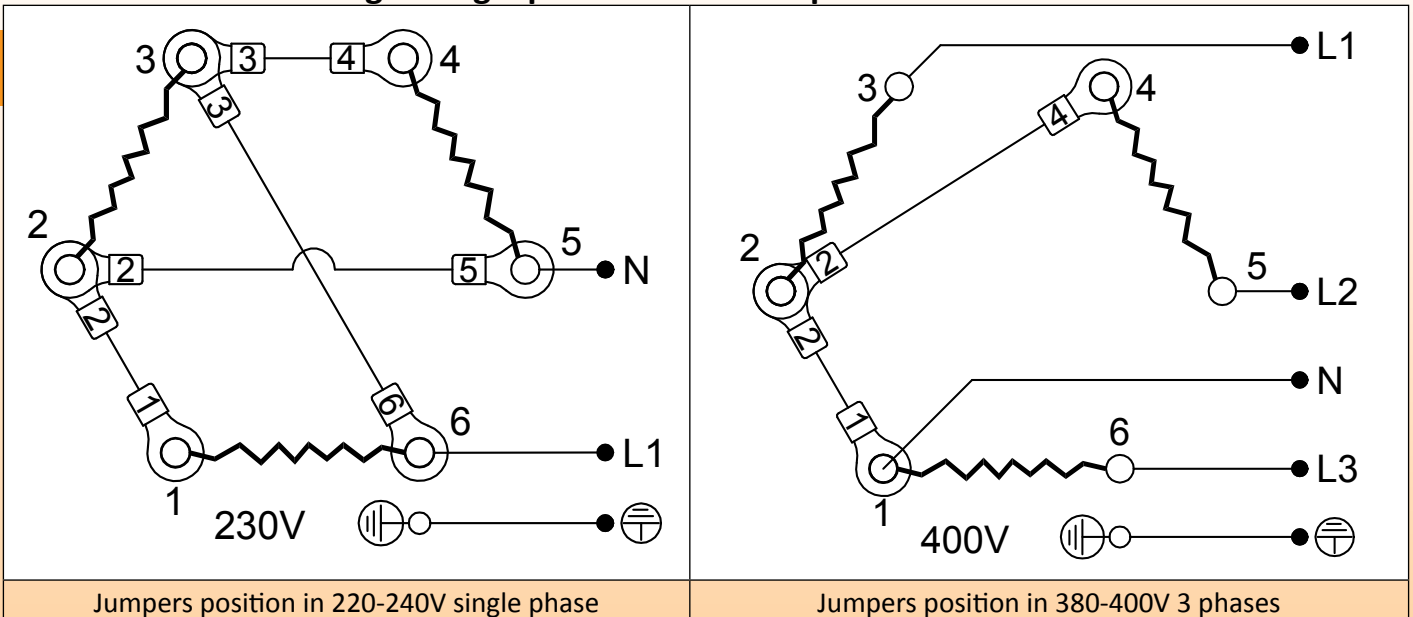
Contact us

Web: www.ultimheat.co.th

Cat22-4-5-17


Immersion heaters

Electric Wiring in single phase 230V and 3 phases 400V star connection




References of accessories in option (not included in the product, must be ordered separately):


Nuts

	Thread	2"1/2	M77x2
	Brass	9BRRA3000ELH314A	9BRRA3000ELH306A
	AISI304	9BRRA3000ELH142A	9BRRA3000ELH150A
	AISI316	9BRRA3000ELH214A	9BRRA3000ELH206A

Gaskets

	Thread	2"1/2- M77x2
	NBR	9BRJ03000ELH201A
	Fiber	9BRJ03000ELH030A
	PTFE	9BRJ03000ELH036A

2.5mm² Jumpers


9BRDS1SE4ELH001A

Other accessories and drawings: see last section of this catalogue