

HEATING ELEMENTS FOR GALVANIC BATHS



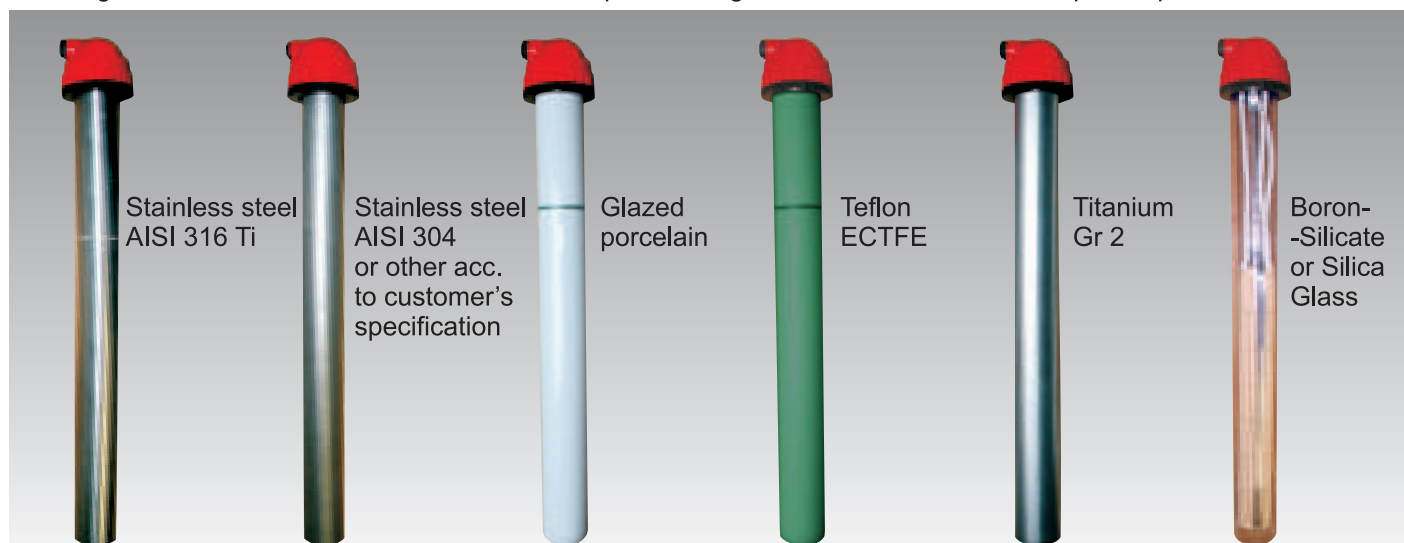
eltop

ELTOP PRAHA s.r.o.

ELTOP PRAHA s.r.o., established in 1992, has been part of NIBE Group headquartered in Sweden since 2001. The company applies its practical knowledge from industrial operations and many years experience with production of heating elements also in area of production of heating elements for galvanic plants.

Vertical Immersion Heaters

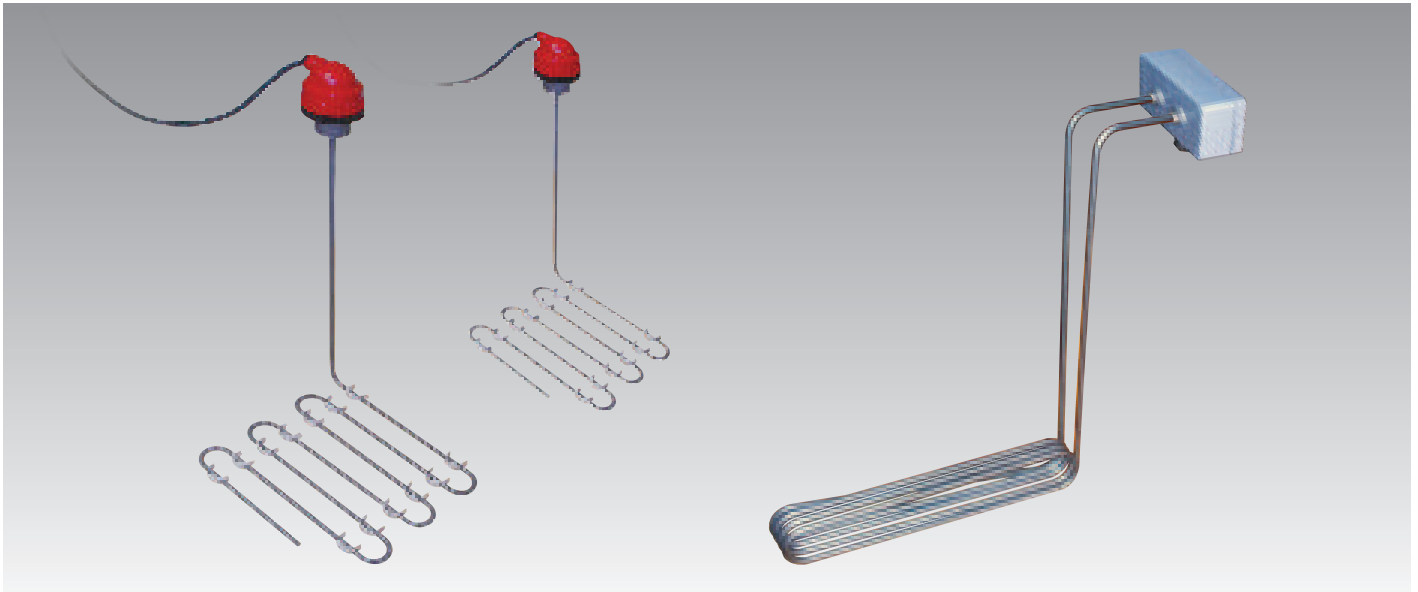
Vertical position, normally at bath edge, marked immersion line, PE head with IP 65 protection, range of input powers and lengths available, various materials of sheath, special designs and materials available upon request.



Main Parts	External Dimensions

Type	U [V]	P [W]	L [mm] Sheath Length	L _t [mm] Heating Length	D [mm] Diameter	Sheath Material	Cable
1701590010	3x400	1500	600	400	54	AISI 316 Ti	H07RN-F 4G1.5/7m
1701590020	3x400	3000	800	600	54	AISI 316 Ti	H07RN-F 4G1.5/7m
1701590040	3x400	4500	1270	1070	54	AISI 316 Ti	H07RN-F 4G1.5/7m
1701790010	3x400	1500	600	400	54	AISI 304	H07RN-F 4G1.5/7m
1701790020	3x400	3000	800	600	54	AISI 304	H07RN-F 4G1.5/7m
1701790040	3x400	4500	1270	1070	54	AISI 304	H07RN-F 4G1.5/7m
1701290010	3x400	1500	595	370	48	Porcelain	H07RN-F 4G1.5/7m
1701290020	3x400	3000	785	560	48	Porcelain	H07RN-F 4G1.5/7m
1701290150	3x400	4500	1280	1070	48	Porcelain	H07RN-F 4G1.5/7m
1701490010	3x400	1100	600	400	54	Teflon ECTFE	H07RN-F 4G1.5/7m
1701490020	3x400	1800	800	600	54	Teflon ECTFE	H07RN-F 4G1.5/7m
1701490030	3x400	3300	1270	1070	54	Teflon ECTFE	H07RN-F 4G1.5/7m
1701190010	3x400	1500	600	400	51	Titanium Gr 2	H07RN-F 4G1.5/7m
1701190020	3x400	3000	800	600	51	Titanium Gr 2	H07RN-F 4G1.5/7m
1701190040	3x400	4500	1270	1070	51	Titanium Gr 2	H07RN-F 4G1.5/7m
1701890010	3x400	1500	600	400	50	Boron-Silicate Glass	H07RN-F 4G1.5/7m
1701890020	3x400	3000	800	600	50	Boron-Silicate Glass	H07RN-F 4G1.5/7m
1701890040	3x400	4500	1270	1070	50	Boron-Silicate Glass	H07RN-F 4G1.5/7m
1701390010	3x400	1500	600	400	50	Silica Glass	H07RN-F 4G1.5/7m
1701390020	3x400	3000	800	600	50	Silica Glass	H07RN-F 4G1.5/7m
1701390040	3x400	4500	1270	1070	50	Silica Glass	H07RN-F 4G1.5/7m

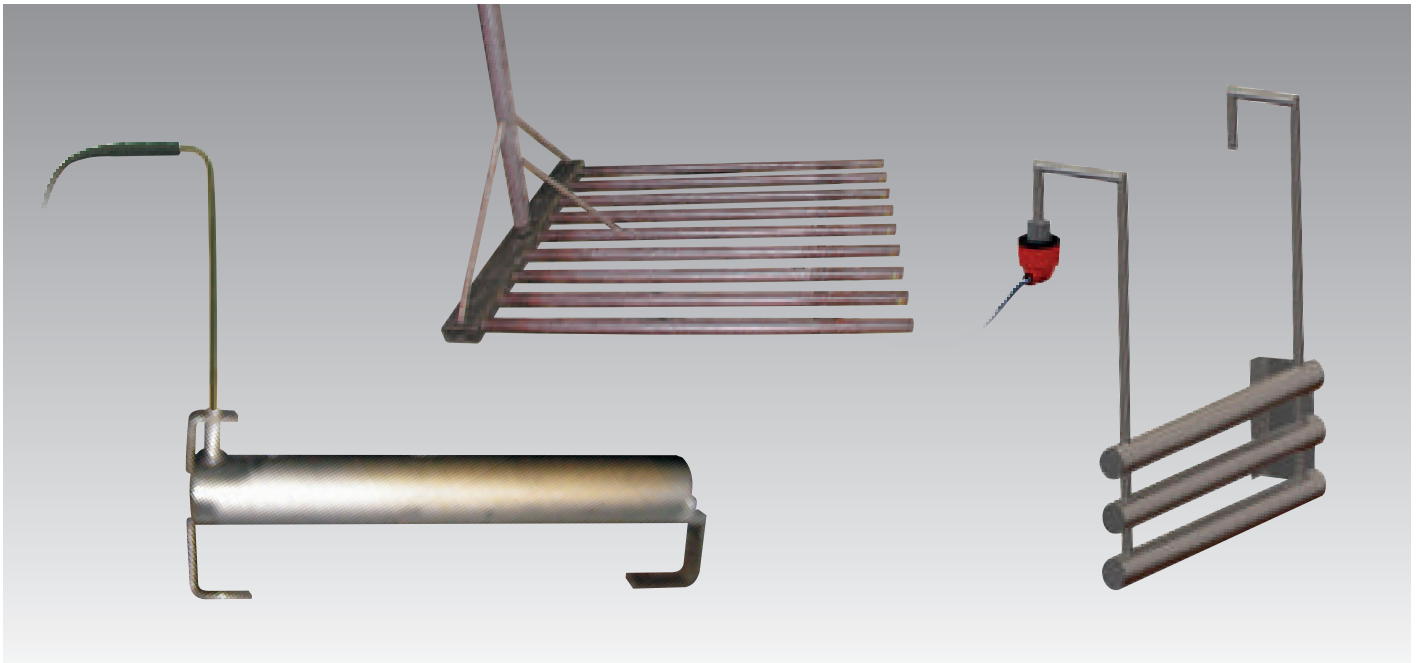
Shaped Heating Elements



Heating elements shaped from long heating rods of flat-oval or round profile. Shape of lower heating section may follow also atypical lay-out of tank. Connecting outputs can be covered with PE head, Al box or rubber coated head with continuous connection to cable.

Type	U [V]	P [W]	Dimensions [mm]	Sheath Material	Cable
170509xxx0	Acc. to customer's specifications		∅ 8.5, length of rod max. 4.5m	AISI 316 Ti	H07RN-F 4G1.5/7m
			11.5x6.2, length of rod max. 6m	AISI 304	H07RN-F 4G1.5/7m
			Other dimensions upon request	Other stainless steel	H07RN-F 4G1.5/7m

Heating Elements with Cylindrical Heating Sections

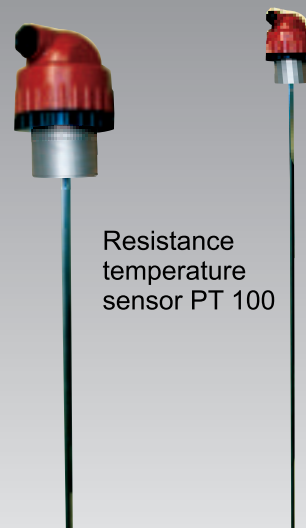


Heating elements composed from one or more usually horizontal heating cylindrical sections. They can be arranged vertically, in series at bottom, or acc. to special customer's specifications. Connecting outputs can be covered with PE head, Al box or rubber coated head with continuous connection to cable.

Type	U [V]	P [W]	Dimensions [mm]	Housing Material	Cable
170609xxx0	Acc. to customer's specifications		Acc. to customer's specifications	AISI 316 Ti	H07RN-F 4G1.5/7m
				AISI 304	H07RN-F 4G1.5/7m
				Other stainless steel	H07RN-F 4G1.5/7m

Controls

Control and power supply unit



Resistance temperature sensor PT 100

Temperature control system. Power supply and control units include PID temperature regulator, semi-conductor three-phase contactor, fuses, switches. Polycarbonate housing. Input is formed by signal from PT 100 sensor.

Type	Name	Sheath Material	Protection		
170709xxx0	Pt100 sensor	AISI 316Ti, AISI 304, ...	IP 65		
Type	Name	Input	Possible Outputs	I max.	Protect.
170909xxx0	Supply and control box	3x400V AC	3x400V AC, 3x230V AC, 1x400V AC, 1x230V AC	15 A	IP 54

Optional Accessories



Element holders

Protection hoses



Special cables

Sealing



NIBE Group

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