

IMMERSION HEATER D-8640

Can be used for heating fluid substances, both liquids and gases. The pressure proof unit comprises:

- heating elements
- a thermostat with manual setting or thermoelement PT100 as cutout protection.
PT100 is used only in combination with a temperature regulator which is fitted in a control cabinet
- a thermostat for controlling the temperature of the medium. Alternatively a thermoelement or PT100
- threaded holes for cable entry and/or pressure proof blind plug model Ex d II C

The unit is a seamless structure with a front and bottom cover. The front cover is locked with an M4 screw.

The unit is made of either carbon steel or high alloy steel as standard. Other materials on request.

SPECIFICATIONS

- flange, 150 LBS, ANSI B16.5 carbon steel or high alloy steel
- enclosure class IP66
- immersion heater length 750mm
- distance between unit and flange (see table below)
- element diameter Ø8.5, Ø10.2, Ø12.7 or Ø16mm
- heating element materials: high alloy steel, nickel alloy and copper alloy
- cable entry points: type Hawke 501/453 universal.
Material: brass
- special types on request

The table on the next page is based on a heating unit with:

- max installed power of 30 kW divided into 2 groups with an operating voltage of 400V, 3-phase and use of a thermoelement or PT100 as cutout protection
- max. length of 3000mm
- max. 2 cable entry points

The maximum permissible supplied power in each element is based on a maximum surface load which is determined by the temperature class and type of fluid substance, and is also dependent on the operating voltage and the customer's cable sizes.

Contact our technical sales team for more information.

Max. flange temperature	Temperature class	Distance to heating unit
85°C	T6	50mm
100°C	T5	75mm
135°C	T4	100mm
200°C	T3	150mm
300°C	T2	200mm
450°C	T1	250mm





Type D-8640 Ex ed II C T6-T1, connecting box IP66

Type	Flange dim	No. of elements				Insertion length of immersion heater (mm)	Max. capacity in oil (W)	Max. capacity in water (W)	Max. capacity in gas (W)
		150 LBS	Ø8.5	Ø10.2	Ø12.7				
D-8640 D021-05	2"	2	2	-	-	500	1000	3000	800
D-8640 D021-07	2"	2	2	-	-	750	1700	5000	1000
D-8640 D021-10	2"	2	2	-	-	1000	2300	7000	2000
D-8640 D021-15	2"	2	2	-	-	1500	3600	11000	3000
D-8640 D021-20	2"	2	2	-	-	2000	4900	12000	4000
D-8640 D021-25	2"	2	2	-	-	2500	6200	12000	5000
D-8640 D021-30	2"	2	2	-	-	3000	7500	12000	6000
D-8640 F031-05	3"	3	3	-	-	500	1500	4500	1200
D-8640 F031-07	3"	3	3	-	-	750	2500	7000	2000
D-8640 F031-10	3"	3	3	-	-	1000	3500	10000	3000
D-8640 F031-15	3"	3	3	-	-	1500	5500	15000	4500
D-8640 F031-20	3"	3	3	-	-	2000	7000	20000	6000
D-8640 F031-25	3"	3	3	-	-	2500	9000	25000	7500
D-8640 F031-30	3"	3	3	-	-	3000	11500	30000	9000
D-8640 H061-05	4"	6	6	3	3	500	3000	9000	2400
D-8640 H061-07	4"	6	6	3	3	750	5000	14000	4000
D-8640 H061-10	4"	6	6	3	3	1000	7000	20000	6000
D-8640 H061-15	4"	6	6	3	3	1500	11000	30000	9000
D-8640 H061-20	4"	6	6	3	3	2000	14000	*30000	12000
D-8640 H061-25	4"	6	6	3	3	2500	18000	*30000	15000
D-8640 H061-30	4"	6	6	3	3	3000	23000	*30000	18000

*Limited power at cable entry point



IMMERSION HEATER D-866o

Can be used for heating fluid substances, both liquids and gases. The pressure proof unit comprises:

- heating elements
- a thermostat with manual setting or thermoelement PT100 as cutout protection.
PT100 is used only in combination with a temperature regulator which is fitted in a control cabinet
- a thermostat for controlling the temperature of the medium.

Alternatively

- a thermoelement or PT100
- threaded holes for cable entry and/or pressure proof blind plug model Ex d II C

The unit is a seamless structure with a front and bottom cover. The front cover is locked with an M4 screw. The unit is made of either carbon steel or high alloy steel as standard. Other materials on request.

SPECIFICATIONS

- flange, 150 LBS, ANSI B16.5 carbon steel or high alloy steel
- enclosure class IP66
- distance between unit and flange (see table below)
- element diameter Ø8.5, Ø10.2, Ø12.7 or Ø16mm
- heating element materials: high alloy steel, nickel alloy and copper alloy
- cable entry points: type Hawke 501/453 universal. Material: brass
- special types on request

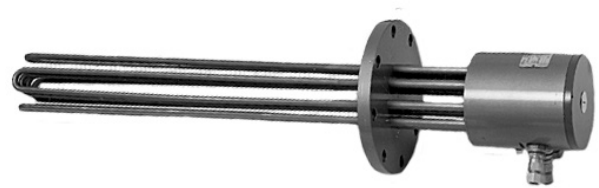
Max. flange temperature	Temperature class	Distance to heating unit
85°C	T6	50mm
100°C	T5	75mm
135°C	T4	100mm
200°C	T3	150mm
300°C	T2	200mm
450°C	T1	250mm

The table on the next page is based on a heating unit with:

- max installed power of 60 kW divided into 2 groups with an operating voltage of 400V, 3-phase and use of a thermoelement or PT100 as cutout protection
- max. length of 3000mm
- max. 3 cable entry points

The maximum permissible supplied power in each element is based on a maximum surface load which is determined by the temperature class and type of fluid substance, and is also dependent on the operating voltage and the customer's cable sizes.

Contact our technical sales team for more information.





Type D-8660 Ex ed II C T6-T1, connecting box IP66

Type	Flange dim	No. of elements				Insertion length of immersion heater (mm)	Max. capacity in oil (W)	Max. capacity in water (W)	Max. capacity in gas (W)
		150 LBS	Ø8.5	Ø10.2	Ø12.7				
D-8660 F031-05	3"	3	3	-	-	500	1500	4500	1200
D-8660 F031-07	3"	3	3	-	-	750	2500	7000	2000
D-8660 F031-10	3"	3	3	-	-	1000	3500	10000	3000
D-8660 F031-15	3"	3	3	-	-	1500	5500	15000	4500
D-8660 F031-20	3"	3	3	-	-	2000	7000	18000	6000
D-8660 F031-25	3"	3	3	-	-	2500	9000	18000	7500
D-8660 F031-30	3"	3	3	-	-	3000	11000	18000	9000
D-8660 H061-05	4"	6	6	3	3	500	3000	9000	2400
D-8660 H061-07	4"	6	6	3	3	750	5000	14000	4000
D-8660 H061-10	4"	6	6	3	3	1000	7000	20000	6000
D-8660 H061-15	4"	6	6	3	3	1500	10500	25000	9000
D-8660 H061-20	4"	6	6	3	3	2000	14000	30000	12000
D-8660 H061-25	4"	6	6	3	3	2500	18000	35000	15000
D-8660 H061-30	4"	6	6	3	3	3000	22000	36000	18000
D-8660 J121-05	6"	12	12	6	6	500	6000	18000	4800
D-8660 J121-07	6"	12	12	6	6	750	10000	28000	8000
D-8660 J121-10	6"	12	12	6	6	1000	14000	40000	12000
D-8660 J121-15	6"	12	12	6	6	1500	21000	50000	18000
D-8660 J121-20	6"	12	12	6	6	2000	28000	60000	24000
D-8660 J121-25	6"	12	12	6	6	2500	36000	*60000	30000
D-8660 J121-30	6"	12	12	6	6	3000	44000	*60000	36000

*Limited power at cable entry point



IMMERSION HEATER D-868o

Can be used for heating fluid substances, both liquids and gases. The pressure proof unit comprises:

- heating elements
- a thermostat with manual setting or thermoelement PT100 as cutout protection.
PT100 is used only in combination with a temperature regulator which is fitted in a control cabinet
- a thermostat for controlling the temperature of the medium.

Alternatively

- a thermoelement or PT100
- threaded holes for cable entry and/or pressure proof blind plug model Ex d II C

The unit is a seamless structure with a front and bottom cover. The front cover is locked with an M4 screw. The unit is made of either carbon steel or high alloy steel as standard. Other materials on request.

SPECIFICATIONS

- flange, 150 LBS, ANSI B16.5 carbon steel or high alloy steel
- enclosure class IP66
- distance between unit and flange (see table below)
- element diameter Ø8.5, Ø10.2, Ø12.7 or Ø16mm
- heating element materials: high alloy steel, nickel alloy and copper alloy
- cable entry points: type Hawke 501/453 universal. Material: brass
- special types on request

Max. flange temperature	Temperature class	Distance to heating unit
85°C	T6	50mm
100°C	T5	75mm
135°C	T4	100mm
200°C	T3	150mm
300°C	T2	200mm
450°C	T1	250mm

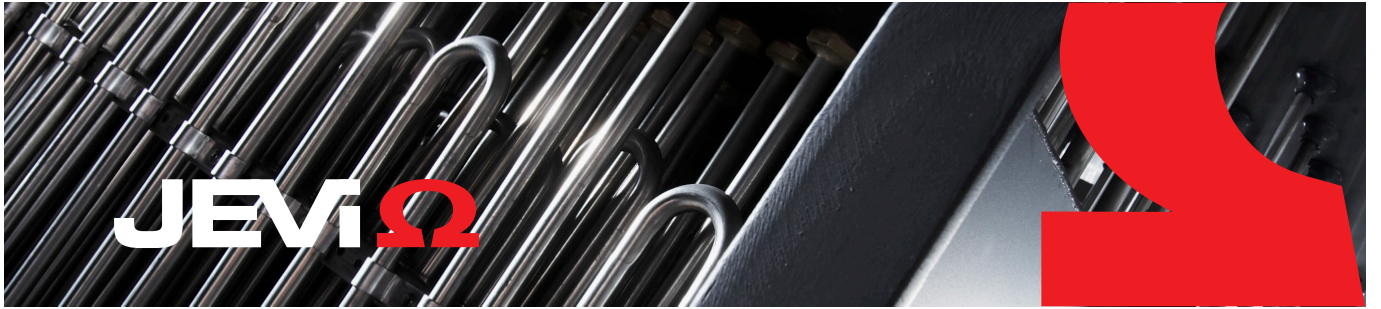
The table on the next page is based on a heating unit with:

- max installed power of 90 kW divided into 2 groups with an operating voltage of 400V, 3-phase and use of a thermoelement or PT100 as cutout protection
- max. length of 3000mm
- max. 4 cable entry points

The maximum permissible supplied power in each element is based on a maximum surface load which is determined by the temperature class and type of fluid substance, and is also dependent on the operating voltage and the customer's cable sizes.

Contact our technical sales team for more information.





Type D-868o Ex ed II C T6-T1, connecting box IP66

Type	Flange dim 150 LBS	No. of elements				Inser- tion length of immersion heater (mm)	Max. capacity in oil (W)	Max. capacity in water (W)	Max. capacity in gas (W)
		Ø8.5	Ø10.2	Ø12.7	Ø16				
D-8680 J121-05	6"	12	9	6	6	500	6000	18000	4800
D-8680 J121-07	6"	12	9	6	6	750	10000	18000	8000
D-8680 J121-10	6"	12	9	6	6	1000	14000	40000	12000
D-8680 J121-15	6"	12	9	6	6	1500	21000	50000	18000
D-8680 J121-20	6"	12	9	6	6	2000	28000	60000	24000
D-8680 J121-25	6"	12	9	6	6	2500	36000	70000	30000
D-8680 J121-30	6"	12	9	6	6	3000	44000	70000	36000
D-8680 K181-05	8"	18	15	9	9	500	9000	29000	8000
D-8680 K181-07	8"	18	15	9	9	750	15000	44000	13000
D-8680 K181-10	8"	18	15	9	9	1000	21000	60000	18000
D-8680 K181-15	8"	18	15	9	9	1500	31500	70000	27000
D-8680 K181-20	8"	18	15	9	9	2000	42000	80000	36000
D-8680 K181-25	8"	18	15	9	9	2500	54000	90000	45000
D-8680 K181-30	8"	18	15	9	9	3000	66000	*90000	54000
D-8680 K241-05	8"	24	21	12	9	500	14000	40000	12000
D-8680 K241-07	8"	24	21	12	9	750	20000	60000	18000
D-8680 K241-10	8"	24	21	12	9	1000	28000	80000	24000
D-8680 K241-15	8"	24	21	12	9	1500	42000	90000	36000
D-8680 K241-20	8"	24	21	12	9	2000	56000	*90000	48000
D-8680 K241-25	8"	24	21	12	9	2500	72000	*90000	60000
D-8680 K241-30	8"	24	21	12	9	3000	88000	*90000	72000

*Limited power at cable entry point