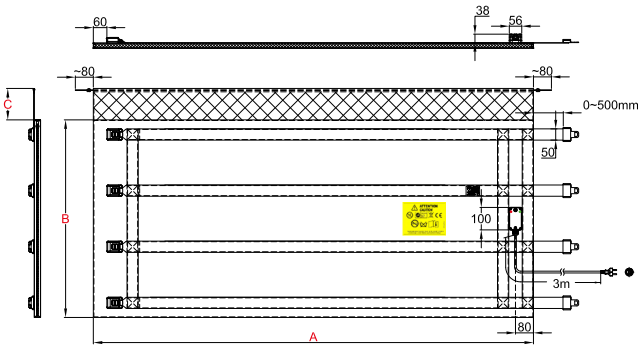
Antifreeze jacket heaters

Safety instructions for all industrial jacket heaters described in this catalogue

- Read the user manual before any use
- Protect the power supply circuit by a differential circuit breaker of 20mA sensitivity, with rating adapted to the model that must be connected to it.
- This supply circuit must be carried out by a qualified electrician and according to the local standards in force.
- The earth circuit must be compliant and connected.
- The jacket heater must be disconnected when the container is empty.
- The jacket heater must be disconnected when filling the container.
- The jacket heater must be disconnected during installation or de-installation.
- The jacket heater must be stored in a dry place and protected from rodents and other animals during periods when it is not used.
- In some applications and especially when liquid overflow is possible, it may be necessary to connect the metal containers directly to a grounding conductor.
- The jacket heater must be used in a dry environment.
- Do not cut or punch the surface
- The container must be in communication with the atmospheric pressure to avoid the increase of its internal pressure and its explosion by dilation or boiling of the products which it contains. This setting at atmospheric pressure may for example be performed by unscrewing or removing a plug located in the upper part of the container. The use of a temperature sensor and / or stirrer using this upper orifice for their fastenings must not completely close this orifice.
- These appliances are not suitable for permanent outdoor use, and must be protected from rain, dust and condensation.
- Do not operate above the rated safety temperature (This temperature depends on the heated liquid, and must be checked before connecting the device).
- Use a jacket heater adapted to the size of the container
- The jacket heater must be in contact with the surface of the container to be heated, without superimposing heating parts. The superposition of two heating parts doubles the surface power and can cause melting of the jacket heater and initiate a fire in the most severe cases.
- Position the jacket heater so that it is in contact with the largest possible cylindrical surface of the container.
- These devices are not suitable for use in flammable or explosive areas.

Antifreeze flexible jacket heaters for glass or plastic containers

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Glass, Plastic	65°C	Nylon straps and metal buckle	Built-in, fixed setting at 5°C	10mm 20mm	**9VJ32**



Main Features

Flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
This series of jacket heaters is the most efficient solution for heating glass or plastic containers. They are available for containers of 18L/20L (5 US gallons), 23L/25L (6 US gallons), 30L (8 US gallons), 60L (15 US gallons) and 110 liters (30 US gallons). The jacket heater covers almost the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They can be made with two power levels (0.05W / cm² and 0.1W / cm²) and two thicknesses of insulation (10mm in standard and 20mm in option) to cover antifreeze applications even for very low temperatures. See these applications described in the technical introduction. They can also simply be used to maintain positive temperature of liquids.
In these models their surface temperature is limited to 65°C to prevent deformation or melting of plastic containers, or temperature stress breaking of glass containers.
When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 10 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 10mm. This thickness is chosen for its great flexibility, important on small containers.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
By fixed setting bimetallic thermostat, opens at 9°C, closes at 5°C, mounted on the connection box, and measuring the ambient temperature. Two pilot lamps indicate the presence of voltage and the heating function. A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² length 3m, Euro plug. UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place

an insulating lid in the case of cylindrical containers.

Options:

- Insulating foam thickness 20mm for applications in very low temperatures.
- 0.135W/cm² surface load for fast heating. See technical introduction.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Main references (see the technical introduction for the liquids heating time)

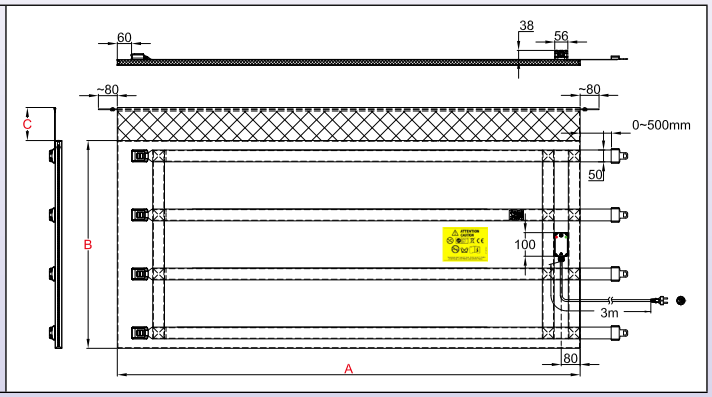
References*	Insulation (mm) **	Volume, US gallons	Volume, Liters	Dia. mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Collerette C (mm/ inch)	w/cm² (W/in²)	Watt	Voltage V
9VJ32300958150HC	10	5	18/20	280 (11)	300 (11.8)	950 (37.4)	150 (5.9)	0,05 (0.32)	150	220/240
9VJ32301028165HC	10	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,05 (0.32)	165	220/240
9VJ32401398275HG	10	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,05 (0.32)	275	220/240
9VJ32731558550HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	550	220/240
9VJ32300958300HC	10	5	20/25	280 (11)	300 (11.8)	900 (35.4)	150 (5.9)	0,1 (0.64)	300	220/240
9VJ32301028330HC	10	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,1 (0.64)	330	220/240
9VJ32401398550HG	10	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,1 (0.64)	550	220/240
9VJ32731558A10HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,1 (0.64)	1100	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

** Models with 20mm insulation, replace 9VJ3 by 9VJ2

Antifreeze flexible jacket heaters for metal drums and 1000 liter IBC

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Metal or plastic with grid	65°C	Nylon straps and metal buckle	Built-in, fixed setting at 5°C	20mm	**9VJ22**



Main Features

Flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
This series of jacket heaters is the most efficient solution for heating glass or plastic containers. They are available for containers of 110L (30 US gallons), 210L (55US gallons) and 1000 liters IBC. The jacket heater covers the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They can be made with two power levels (0.05W / cm² and 0.1W / cm²) and one 20mm thickness of insulation to cover antifreeze applications even for very low temperatures. See these applications described in the technical introduction. They can also simply be used to maintain positive temperature of liquids.
In these models their surface temperature is limited to 65°C. When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Four adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
By fixed setting bimetallic thermostat, opens at 9°C, closes at 5°C, mounted on the connection box, and measuring the ambient temperature. Two pilot lamps indicate the presence of voltage and the heating function. A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² length 3m, Euro plug. (3x1.5mm² for the IBC model). UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid.

Options:
- 0.135W/cm² surface load for fast heating. (Not available for IBC in this temperature control version). See technical introduction.

Antifreeze flexible jacket heaters for metal drums and 1000 liter IBC

- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Main references (see the technical introduction for the liquids heating time)

References*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)**	Watt	Voltage V
9VJ22731558550HG	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	550	220/240
9VJ22881898880HG	55	210	585 (23)	880 (34.6)	1890 (74.4)	100 (3.9)	0,05 (0.32)	880	220/240
9VJ22A04398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	2200	220/240
9VJ22731558A10HG	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,1 (0.64)	1100	220/240
9VJ22881898A66HG	55	210	585 (23)	880 (34.6)	1890 (74.4)	100 (3.9)	0,1 (0.64)	1660	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X
** In this temperature control version 0.1W/cm² and 0.135W/cm² are not available for IBC size

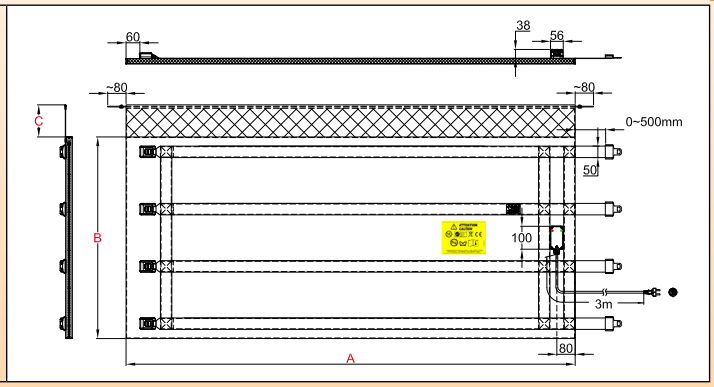
Jacket heaters with fixed setting surface mounted temperature control

Safety instructions for all industrial jacket heaters described in this catalogue

- Read the user manual before any use
- Protect the power supply circuit by a differential circuit breaker of 20mA sensitivity, with rating adapted to the model that must be connected to it.
- This supply circuit must be carried out by a qualified electrician and according to the local standards in force.
- The earth circuit must be compliant and connected.
- The jacket heater must be disconnected when the container is empty.
- The jacket heater must be disconnected when filling the container.
- The jacket heater must be disconnected during installation or de-installation.
- The jacket heater must be stored in a dry place and protected from rodents and other animals during periods when it is not used.
- In some applications and especially when liquid overflow is possible, it may be necessary to connect the metal containers directly to a grounding conductor.
- The jacket heater must be used in a dry environment.
- Do not cut or punch the surface
- The container must be in communication with the atmospheric pressure to avoid the increase of its internal pressure and its explosion by dilation or boiling of the products which it contains. This setting at atmospheric pressure may for example be performed by unscrewing or removing a plug located in the upper part of the container. The use of a temperature sensor and / or stirrier using this upper orifice for their fastenings must not completely close this orifice.
- These appliances are not suitable for permanent outdoor use, and must be protected from rain, dust and condensation.
- Do not operate above the rated safety temperature (This temperature depends on the heated liquid, and must be checked before connecting the device).
- Use a jacket heater adapted to the size of the container
- The jacket heater must be in contact with the surface of the container to be heated, without superimposing heating parts. The superposition of two heating parts doubles the surface power and can cause melting of the jacket heater and initiate a fire in the most severe cases.
- Position the jacket heater so that it is in contact with the largest possible cylindrical surface of the container.
- These devices are not suitable for use in flammable or explosive areas.

Fixed temperature setting flexible jacket heaters for glass or plastic containers

Containers materia	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Glass, Plastic	65°C	Nylon straps and metal buckle	Surface mounted, fixed setting temperature 65°C	10mm	**9VJV6**



Main Features

This economical version of flexible jacket heater is used to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
It is the most efficient solution for heating glass or plastic containers. These models are available for containers of 18L/20L (5 US gallons), 23L/25L (6 US gallons), 30L (8 US gallons), 60L (15 US gallons) and 110 liters (30 US gallons). The jacket heater covers almost the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They can be made with two power levels (0.05W / cm² and 0.1W / cm²) and two thicknesses of insulation (10mm in standard and 20mm in option). In these models the surface temperature is limited to 65°C to prevent deformation or melting of plastic containers, or temperature stress breaking of glass containers.
When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 10mm. This thickness is chosen for its great flexibility, important on small containers.

Heating element:
Silicon rubber insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C. Two pilot lamps indicate the presence of voltage and the heating function.
Warning: these models start to heat up as soon as you connect them to the power supply.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² length 3m, Euro plug. UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid in the case of cylindrical containers.

Options:
- 0.135W/cm² surface load for fast heating. See technical introduction.
- Power supply 110/115V

Fixed temperature setting flexible jacket heaters for glass or plastic containers

- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulated pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate: EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

Main references (see the technical introduction for the liquids heating time)

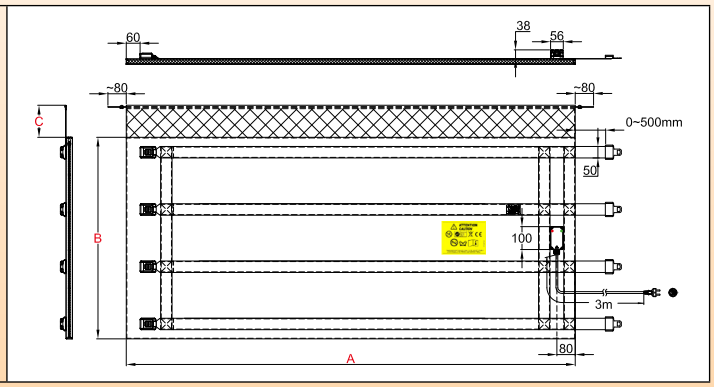
References*	Insulation (mm)**	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)	Watt	Voltage V
9VJV6300958150HC	10	5	18/20	280 (11)	300 (11.8)	950 (37.4)	150 (5.9)	0,05 (0.32)	150	220/240
9VJV6301028165HC	10	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,05 (0.32)	165	220/240
9VJV6401398275HG	10	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,05 (0.32)	275	220/240
9VJV6731558550HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	550	220/240
9VJV6300958300HC	10	5	20/25	280 (11)	300 (11.8)	900 (35.4)	150 (5.9)	0,1 (0.64)	300	220/240
9VJV6301028330HC	10	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,1 (0.64)	330	220/240
9VJV6401398550HG	10	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,1 (0.64)	550	220/240
9VJV6731558A10HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,1 (0.64)	1100	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

** Models with 20mm insulation, replace 9VJV6 by 9VJF6

Fixed temperature setting flexible jacket heaters for metal drums and 1000 liters IBC

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Metal or plastic with grid	65°C	Nylon straps and metal buckle	Surface mounted, fixed setting temperature 65°C	20mm	**9VJF6**



Main Features

This economical version of flexible jacket heater is used to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
These models are available for containers of 110L (30 US gallons), 210L (55US gallons) and 1000 liters IBC.The jacket heater covers the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They can be made with two power levels (0.05W / cm² and 0.1W / cm²) and insulation thicknesses of 20mm. In these models the surface temperature is limited to 65°C.
When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Four adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C. Two pilot lamps indicate the presence of voltage and the heating function.
Warning: these models start to heat up as soon as you connect them to the power supply.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² length 3m, Euro plug. (3x1.5mm² for the IBC model). UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid.

Options:
- 0.135W/cm² surface load for fast heating. (Not available for IBC in this temperature control version). See technical introduction.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulated pedestals: see the accessories pages.

Fixed temperature setting flexible jacket heaters for metal drums and 1000 liters IBC

Compliance with standards: CE compliant. TUV certificate: EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

Main references (see the technical introduction for the liquids heating time)

References*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch	w/cm² (W/in²)**	Watt	Voltage V
9VJF6731558550HG	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	550	220/240
9VJF6881898880HG	55	210	585 (23)	880 (34.6)	1890 (74.4)	100 (3.9)	0,05 (0.32)	880	220/240
9VJF6A0D398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	2200	220/240
9VJF6731558A10HG	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,1 (0.64)	1100	220/240
9VJF6881898550HG	55	210	585 (23)	1000 (39.4)	1890 (74.4)	100 (3.9)	0,1 (0.64)	1660	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.
** In this temperature control version 0.1W/cm² and 0.135W/cm² are not available for IBC size.

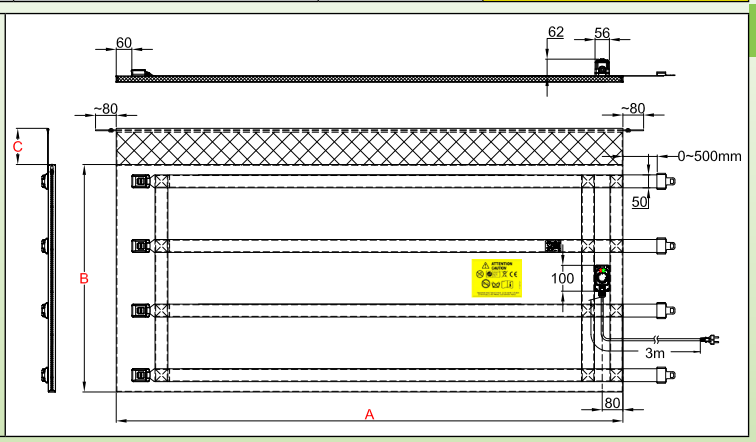
Jacket heaters with adjustable electronic thermostat for reheating small plastic or glass containers

Safety instructions for all industrial jacket heaters described in this catalogue

- Read the user manual before any use
- Protect the power supply circuit by a differential circuit breaker of 20mA sensitivity, with rating adapted to the model that must be connected to it.
- This supply circuit must be carried out by a qualified electrician and according to the local standards in force.
- The earth circuit must be compliant and connected.
- The jacket heater must be disconnected when the container is empty.
- The jacket heater must be disconnected when filling the container.
- The jacket heater must be disconnected during installation or de-installation.
- The jacket heater must be stored in a dry place and protected from rodents and other animals during periods when it is not used.
- In some applications and especially when liquid overflow is possible, it may be necessary to connect the metal containers directly to a grounding conductor.
- The jacket heater must be used in a dry environment.
- Do not cut or punch the surface
- The container must be in communication with the atmospheric pressure to avoid the increase of its internal pressure and its explosion by dilation or boiling of the products which it contains. This setting at atmospheric pressure may for example be performed by unscrewing or removing a plug located in the upper part of the container. The use of a temperature sensor and / or stirrer using this upper orifice for their fastenings must not completely close this orifice.
- These appliances are not suitable for permanent outdoor use, and must be protected from rain, dust and condensation.
- Do not operate above the rated safety temperature (This temperature depends on the heated liquid, and must be checked before connecting the device).
- Use a jacket heater adapted to the size of the container
- The jacket heater must be in contact with the surface of the container to be heated, without superimposing heating parts. The superposition of two heating parts doubles the surface power and can cause melting of the jacket heater and initiate a fire in the most severe cases.
- Position the jacket heater so that it is in contact with the largest possible cylindrical surface of the container.
- These devices are not suitable for use in flammable or explosive areas.

Flexible jacket heaters with adjustable electronic thermostat, surface mounted, for glass or plastic containers

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Glass, Plastic	65°C	Nylon straps and metal buckle	Electronic, set point adjustable by knob from 4 to 40°C	10mm (20mm)	**9VJMA**



Main Features

Thanks to its adjustable electronic thermostat, these flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.

This series of jacket heaters is the most universal solution for heating at a set temperature glass or plastic containers. They are available for containers of 18L/20L (5 US gallons), 23L/25L (6 US gallons), 30L (8 US gallons), 60L (15 US gallons) and 110 liters (30 US gallons). The jacket heater covers almost the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They can be made with two power levels (0.05W / cm² and 0.1W / cm²) and two thicknesses of insulation (10mm in standard and 20mm in option) to cover antifreeze applications even for very low temperatures. See these applications described in the technical introduction. They can also simply be used to maintain positive temperature of liquids.

In these models their surface temperature is limited to 65°C to prevent deformation or melting of plastic containers, or temperature stress breaking of glass containers.

When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 10 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:

- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:

NBR-PVC foam, with closed cells and high temperature resistance, thickness 10mm. This thickness is chosen for its great flexibility, important on small containers.

Heating element:

Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:

By an electronic thermostat adjustable from 4 to 40°C, located in a waterproof box mounted on the external surface of the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. Two pilot lamps indicate the presence of voltage and the heating function. A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C.

Connection cable:

Insulated rubber power supply cable, for industrial environments, 3 x 1mm² length 3m, Euro plug. UL plug on request.

Flexible jacket heaters with adjustable electronic thermostat, surface mounted, for glass or plastic containers

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid in the case of cylindrical containers.

Options:
- Electronic thermostat temperature range from-40 to +40°C
- Insulating foam thickness 20mm for applications in very low temperatures.
- 0.135W/cm² surface load for fast heating. See technical introduction.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

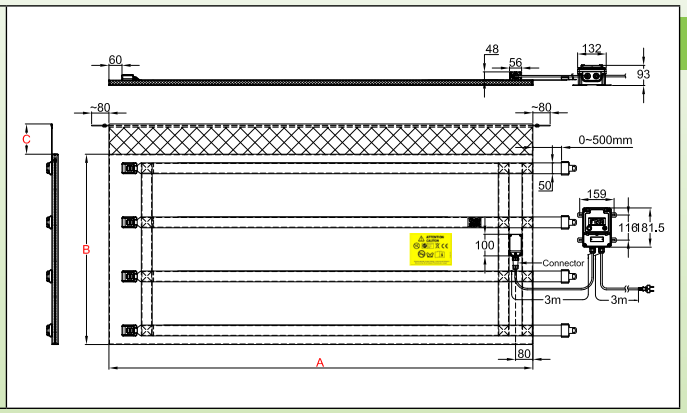
Main references (see the technical introduction for the liquids heating time)

References*	Insulation (mm)**	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)	Watt	Voltage V
9VJMA300958150HC	10	5	18/20	280 (11)	300 (11.8)	950 (37.4)	150 (5.9)	0,05 (0.32)	150	220/240
9VJMA301028165HC	10	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,05 (0.32)	165	220/240
9VJMA401398275HG	10	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,05 (0.32)	275	220/240
9VJMA731558550HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	550	220/240
9VJMA300958300HC	10	5	20/25	280 (11)	300 (11.8)	900 (35.4)	150 (5.9)	0,1 (0.64)	300	220/240
9VJMA301028330HC	10	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,1 (0.64)	330	220/240
9VJMA401398550HG	10	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,1 (0.64)	550	220/240
9VJMA731558A10HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,1 (0.64)	1100	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.
** Models with 20mm insulation, replace 9VJMA by 9VJEA

Flexible jacket heaters with remote digital display electronic controller for glass or plastic containers

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Metal or plastic with grid	135°C	Nylon straps and metal buckle	Digital display, remote control	20mm	**9VJEF**



Main Features

Thanks to its adjustable digital display temperature controller, these flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
This series of jacket heaters is the most professional solution for heating at a set temperature glass or plastic containers. The wall mounting of the control box, as well as the quick connector ensuring the connection of this box on the jacket heater facilitate industrial use in a fixed working place in a production line They are available for containers of 18L/20L (5 US gallons), 23L/25L (6 US gallons), 30L (8 US gallons), 60L (15 US gallons) and 110 liters (30 US gallons). The jacket heater covers almost the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They can be made with two power levels (0.05W / cm² and 0.1W / cm²) 20mm thicknesses of insulation to cover antifreeze applications even for very low temperatures. See these applications described in the technical introduction. They can also simply be used to maintain positive temperature of liquids.
In these models their surface temperature is limited to 65°C to prevent deformation or melting of plastic containers, or temperature stress breaking of glass containers.
When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
By electronic controller with digital display, On-Off action, relay output, located in an independent waterproof housing, designed for wall mounting. It is connected to the heating blanket by a cable equipped with a 5-pin waterproof quick connector, facilitating the connection and disconnection with the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² length 3m, Euro plug. UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the

container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid.

Options:

- 0.135W/cm² surface load for fast heating. See technical introduction.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly

Main references (see the technical introduction for the liquids heating time)

References*	Insulation (mm)**	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)	Watt	Voltage V
9VJEF300958150HC	20	5	18/20	280 (11)	300 (11.8)	950 (37.4)	150 (5.9)	0,05 (0.32)	150	220/240
9VJEF301028165HC	20	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,05 (0.32)	165	220/240
9VJEF401398275HG	20	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,05 (0.32)	275	220/240
9VJEF731558550HG	20	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	550	220/240
9VJEF300958300HC	20	5	20/25	280 (11)	300 (11.8)	900 (35.4)	150 (5.9)	0,1 (0.64)	300	220/240
9VJEF301028330HC	20	6	25/30	280 (11)	300 (11.8)	1020 (40.2)	150 (5.9)	0,1 (0.64)	330	220/240
9VJEF401398550HG	20	15	50/60	410 (16.1)	400 (15.7)	1390 (54.7)	100 (3.9)	0,1 (0.64)	550	220/240
9VJEF731558A10HG	10	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,1 (0.64)	1100	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

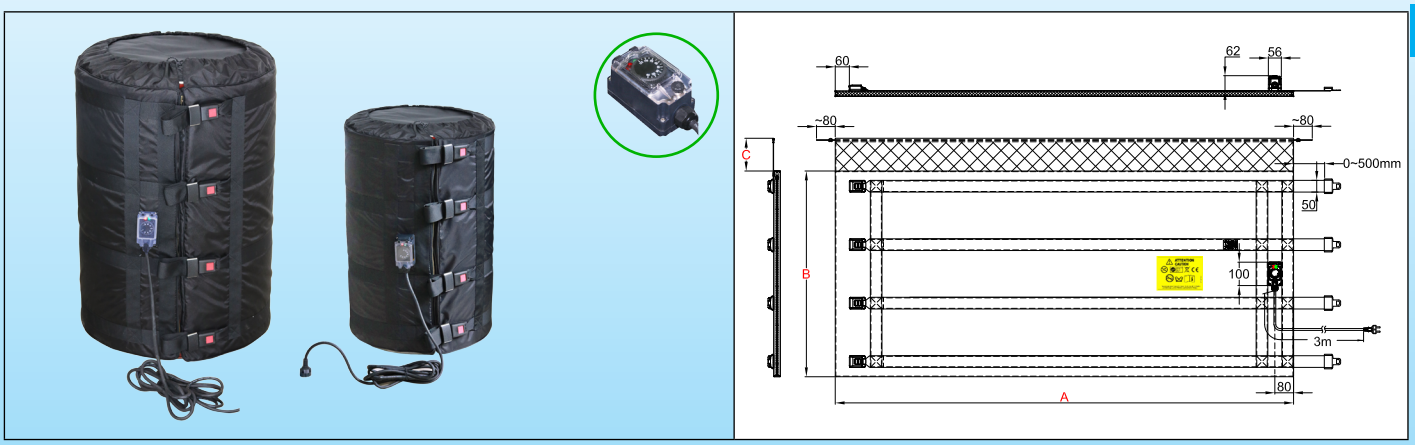
Jacket heaters with adjustable electronic thermostat for reheating metal containers

Safety instructions for all industrial jacket heaters described in this catalogue

- Read the user manual before any use
- Protect the power supply circuit by a differential circuit breaker of 20mA sensitivity, with rating adapted to the model that must be connected to it.
- This supply circuit must be carried out by a qualified electrician and according to the local standards in force.
- The earth circuit must be compliant and connected.
- The jacket heater must be disconnected when the container is empty.
- The jacket heater must be disconnected when filling the container.
- The jacket heater must be disconnected during installation or de-installation.
- The jacket heater must be stored in a dry place and protected from rodents and other animals during periods when it is not used.
- In some applications and especially when liquid overflow is possible, it may be necessary to connect the metal containers directly to a grounding conductor.
- The jacket heater must be used in a dry environment.
- Do not cut or punch the surface
- The container must be in communication with the atmospheric pressure to avoid the increase of its internal pressure and its explosion by dilation or boiling of the products which it contains. This setting at atmospheric pressure may for example be performed by unscrewing or removing a plug located in the upper part of the container. The use of a temperature sensor and / or stirrer using this upper orifice for their fastenings must not completely close this orifice.
- These appliances are not suitable for permanent outdoor use, and must be protected from rain, dust and condensation.
- Do not operate above the rated safety temperature (This temperature depends on the heated liquid, and must be checked before connecting the device).
- Use a jacket heater adapted to the size of the container
- The jacket heater must be in contact with the surface of the container to be heated, without superimposing heating parts. The superposition of two heating parts doubles the surface power and can cause melting of the jacket heater and initiate a fire in the most severe cases.
- Position the jacket heater so that it is in contact with the largest possible cylindrical surface of the container.
- These devices are not suitable for use in flammable or explosive areas.

Flexible jacket heaters with 20-125°C adjustable electronic thermostat, surface mounted, for metal containers

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Metal	135°C	Nylon straps and metal buckle	Electronic, set point adjustable by knob from 20 to 125°C	20mm	**9VJAE**



Main Features

Thanks to its electronic thermostat, knob adjustable from 20 to 125°C, these flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
This series of jacket heaters is the most universal solution, with economical electronic thermostat for heating at a set temperature glass or plastic containers. They are available for containers of 110L (30 US gallons) and 210L (55US gallons). The jacket heater covers the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They are made with three power levels: (0.05W/cm² for temperature up to 50°C, 0.1W/cm² for temperature up to 80°C, and 0.135W/cm² for temperature up to 110°C). Their thickness of insulation is 20mm. In these models the surface temperature is limited to 135°C.When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
By an electronic thermostat adjustable from 20 to 125°C, located in a waterproof box mounted on the external surface of the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. A temperature limiter is incorporated in the heating net to limit the surface temperature to 135°C.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² or 3x1.5mm² (depending of power), length 3m, Euro plug. UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid in the case of cylindrical containers.

Flexible jacket heaters with 20-125°C adjustable electronic thermostat, surface mounted, for metal containers

Options:
- Electronic thermostat temperature range -40+40°C,4-40°C, 30-90°C, 30-110°C
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

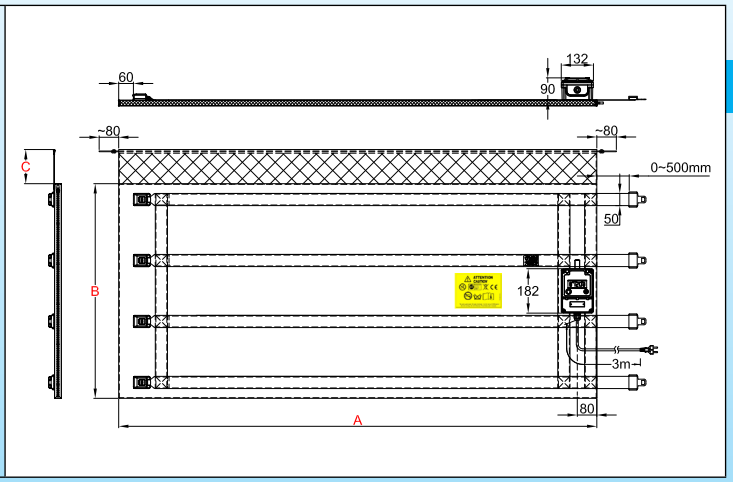
Main references (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)**	Max temp. °C	Watt	Voltage V
9VJAE731558550HG	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	50	550	220/240
9VJAE881898880HG	55	210	585 (23)	880 (34.6)	1890 (74.4)	100 (3.9)	0,05 (0.32)	50	880	220/240
9VJAE731558A10HG	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,1 (0.64)	80	1100	220/240
9VJAE881898A665G	55	210	460 (18.1)	1000 (39.4)	1890 (74.4	100 (3.9)	0,1 (0.64)	80	1660	220/240
9VJAE731558A155G	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,135 (0.86)	110	1500	220/240
9VJAE881898B255G	55	210	460 (18.1)	1000 (39.4)	1890 (74.4)	100 (3.9)	0,135 (0.86)	110	2250	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

Flexible jacket heaters with digital display electronic controller, adjustable up to 120°C, surface mounted, for metal containers

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Metal	135°C	Nylon straps and metal buckle	Electronic, set point adjustable up to 120°C	20mm	**9VJAD**



Main Features

Thanks to its digital electronic temperature controller, adjustable up to 120°C, these flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.

This series of jacket heaters is the most universal solution, with digital electronic temperature controller for heating at a set temperature glass or plastic containers. They are available for containers of 110L (30 US gallons) and 210L (55US gallons). The jacket heater covers the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They are made with three power levels: (0.05W/cm² for temperature up to 50°C, 0.1W/cm² for temperature up to 80°C, and 0.135W/cm² for temperature up to 110°C. Their thickness of insulation is 20mm. In these models the surface temperature is limited to 135°C.When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:

- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:

NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:

Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:

By an electronic temperature controller with digital display adjustable up to 120°C, located in a waterproof box mounted on the external surface of the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. A temperature limiter is incorporated in the heating net to limit the surface temperature to 135°C.

Connection cable:

Insulated rubber power supply cable, for industrial environments, 3 x 1mm² or 3x1.5mm² (depending of power) length 3m, Euro plug. UL plug on request.

Mounting on containers:

These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid in the case of cylindrical containers.

Flexible jacket heaters with digital display electronic controller, adjustable up to 120°C, surface mounted, for metal containers

Options:
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

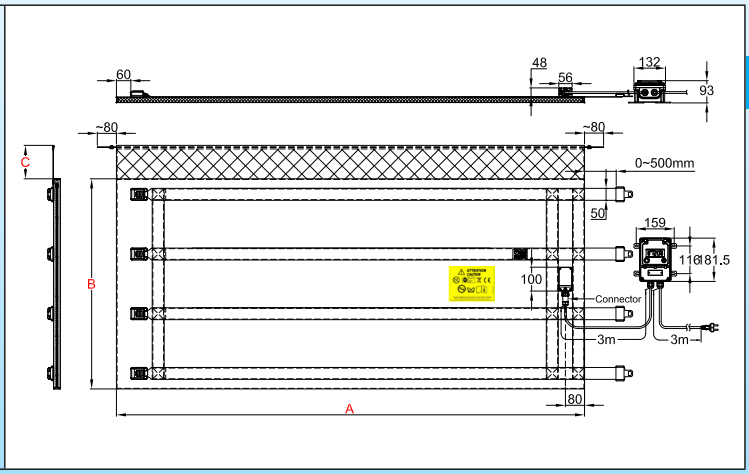
Main references (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)**	Max temp. °C	Watt	Voltage V
9VJAD731558550HG	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	50	550	220/240
9VJAD881898880HG	55	210	585 (23)	880 (34.6)	1890 (74.4)	100 (3.9)	0,05 (0.32)	50	880	220/240
9VJAD731558A10HG	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,1 (0.64)	80	1100	220/240
9VJAD881898A665G	55	210	460 (18.1)	1000 (39.4)	1890 (74.4	100 (3.9)	0,1 (0.64)	80	1660	220/240
9VJAD731558A155G	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,135 (0.86)	110	1500	220/240
9VJAD881898B255G	55	210	460 (18.1)	1000 (39.4)	1890 (74.4)	100 (3.9)	0,135 (0.86)	110	2250	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X

Flexible jacket heaters with digital display electronic controller, adjustable up to 120°C, remote wall mounting, for metal containers

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Metal	135°C	Nylon straps and metal buckle	Electronic, set point adjustable up to 120°C	20mm	**9VJAF**



Main Features

Thanks to its electronic digital temperature controller, adjustable up to 120°C, these flexible jacket heaters are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.
This series of jacket heaters is the most universal solution, with digital electronic temperature controller for heating at a set temperature glass or plastic containers. They are available for containers of 110L (30 US gallons) and 210L (55US gallons). The wall mounting of the control box, as well as the quick connector ensuring the connection of this box on the jacket heater facilitate industrial use in a fixed working place in a production line. The jacket heater covers the entire surface and is surmounted by a soft collar “a scarf” preventing it from sliding down. They are made with three power levels: (0.05W/cm² for temperature up to 50°C, 0.1W/cm² for temperature up to 80°C, and 0.135W/cm² for temperature up to 110°C. Their thickness of insulation is 20mm. In these models the surface temperature is limited to 135°C.When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
By electronic controller with digital display, On-Off action, relay output, located in an independent waterproof housing, designed for wall mounting. It is connected to the heating blanket by a cable equipped with a 5-pin waterproof quick connector, facilitating the connection and disconnection with the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. A temperature limiter is incorporated in the heating net to limit the surface temperature to 135°C.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3 x 1mm² or 3x1.5mm² (depending of power) length 3m, Euro plug. UL plug on request.

Mounting on containers:

Flexible jacket heaters with digital display electronic controller, adjustable up to 120°C, remote wall mounting, for metal containers

These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid in the case of cylindrical containers.

Options:

- Double display electronic temperature controller, Pt100 sensor, ON-OFF action, electromechanical relay power output.
- Double display electronic temperature controller, Pt100 sensor, PID action, solid state relay (SSR) power output.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

Main references (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)**	Max temp. °C	Watt	Voltage V
9VJAF731558550HG	30	110	460 (18.1)	730 (28.8)	1550 (61)	100 (3.9)	0,05 (0.32)	50	550	220/240
9VJAF881898880HG	55	210	585 (23)	880 (34.6)	1890 (74.4)	100 (3.9)	0,05 (0.32)	50	880	220/240
9VJAF731558A10HG	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,1 (0.64)	80	1100	220/240
9VJAF881898A665G	55	210	460 (18.1)	1000 (39.4)	1890 (74.4	100 (3.9)	0,1 (0.64)	80	1660	220/240
9VJAF731558A155G	30	110	460 (18.1)	880 (34.6)	1550 (61)	100 (3.9)	0,135 (0.86)	110	1500	220/240
9VJAF881898B255G	55	210	460 (18.1)	1000 (39.4)	1890 (74.4)	100 (3.9)	0,135 (0.86)	110	2250	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

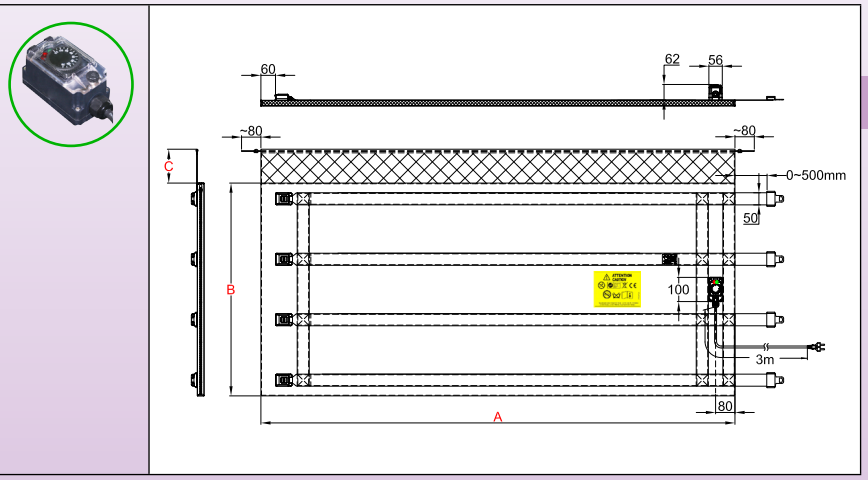
Jacket heaters with adjustable electronic temperature control for 1000L IBC (Industrial bulk containers)

Safety instructions for all industrial jacket heaters described in this catalogue

- Read the user manual before any use
- Protect the power supply circuit by a differential circuit breaker of 20mA sensitivity, with rating adapted to the model that must be connected to it.
- This supply circuit must be carried out by a qualified electrician and according to the local standards in force.
- The earth circuit must be compliant and connected.
- The jacket heater must be disconnected when the container is empty.
- The jacket heater must be disconnected when filling the container.
- The jacket heater must be disconnected during installation or de-installation.
- The jacket heater must be stored in a dry place and protected from rodents and other animals during periods when it is not used.
- In some applications and especially when liquid overflow is possible, it may be necessary to connect the metal containers directly to a grounding conductor.
- The jacket heater must be used in a dry environment.
- Do not cut or punch the surface
- The container must be in communication with the atmospheric pressure to avoid the increase of its internal pressure and its explosion by dilation or boiling of the products which it contains. This setting at atmospheric pressure may for example be performed by unscrewing or removing a plug located in the upper part of the container. The use of a temperature sensor and / or stirrer using this upper orifice for their fastenings must not completely close this orifice.
- These appliances are not suitable for permanent outdoor use, and must be protected from rain, dust and condensation.
- Do not operate above the rated safety temperature (This temperature depends on the heated liquid, and must be checked before connecting the device).
- Use a jacket heater adapted to the size of the container
- The jacket heater must be in contact with the surface of the container to be heated, without superimposing heating parts. The superposition of two heating parts doubles the surface power and can cause melting of the jacket heater and initiate a fire in the most severe cases.
- Position the jacket heater so that it is in contact with the largest possible cylindrical surface of the container.
- These devices are not suitable for use in flammable or explosive areas.

Jacket heaters for 1000L IBC containers with tubular steel frame. One heating zone. Miniature electronic thermostat, adjustment by 4-40°C knob, mounted on jacket surface

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Plastic with tubular steel frame	65°C	Nylon straps and metal buckle	Electronic, set point adjustable by knob from 4 to 40°C	20mm	**9VJDA**



Main Features

Thanks to its miniature electronic thermostat, adjustable by knob from 4 to 40°C, this series of flexible jacket heaters is mainly used for anti-freeze protection. This serial of flexible jacket heaters is the most economical solution, with a single temperature control for the entire heating mantle. It is intended for 1000 liters bulk containers (IBC) of 1m x 1.20m and height 1m. The jacket heater covers the entire surface and is surmounted by a soft collar (Scarf) preventing sliding down. They are achievable with a single power level: 0.05W/cm², for temperatures up to 50°C. Their insulation is 20mm thick. Their surface temperature is limited by two limiters at 65 °. When used with a pedestal and an insulating lid (recommended), their energy efficiency can reach 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
By an electronic thermostat adjustable from 4 to 40°C, located in a waterproof box mounted on the external surface of the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. Two temperature limiters are incorporated in the heating net to limit the surface temperature to 50°C.

Connection cable:
Insulated rubber power supply cable, for industrial environments, 3x1.5mm², length 3m, with Euro plug. UL plug on request.

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place a flat insulating lid

Options:
- Electronic thermostat temperature range -40+40°C
- Power supply 110/115V

Jacket heaters for 1000L IBC containers with tubular steel frame. One heating zone. Miniature electronic thermostat, adjustment by 4-40°C knob, mounted on jacket surface

- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

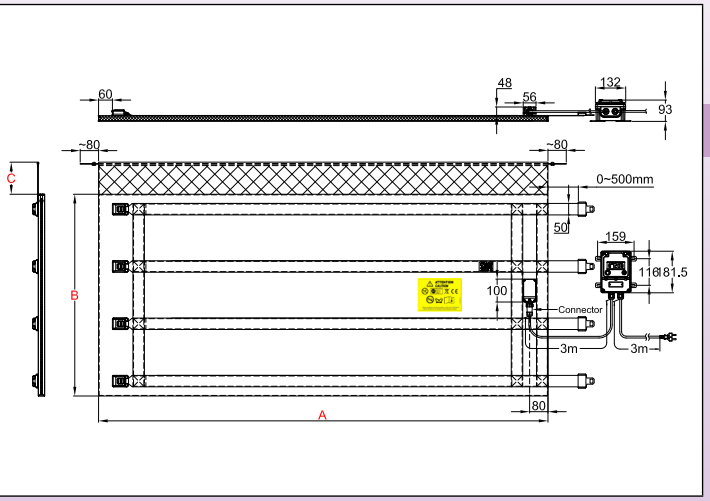
Main references (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)	Max temp. °C	Watt	Voltage V
9VJDAA0D398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	50	2200	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X

Jacket heaters for 1000L IBC containers with tubular steel frame. One heating zone. Digital display electronic temperature controller, remote wall mounting

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Plastic with tubular steel frame	65°C	Nylon straps and metal buckle	Electronic, set point adjustable by knob from 4 to 40°C	20mm	**9VJDF**



Main Features

Thanks to its electronic digital temperature controller, adjustable up to 120°C, this series of flexible jacket heaters is mainly used for anti-freeze protection. This type of flexible jacket heaters is the most professional solution, with a single temperature control for the entire heating mantle. It is intended for 1000 liters bulk containers (IBC) of 1m x 1.20m and height 1m. The wall mounting of the control box, as well as the quick connector ensuring the connection of this box on the jacket heater facilitate industrial use in a fixed working place in a production line. The jacket heater covers the entire surface and is surmounted by a soft collar (Scarf) preventing sliding down. They are achievable with a single power level: 0.05W/cm², for temperatures up to 50°C. Their insulation is 20mm thick. Their surface temperature is limited by two limiters at 65 °. When used with a pedestal and an insulating lid (recommended), their energy efficiency can reach 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:

- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:

NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:

Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:

By electronic controller with digital display, On-Off action, relay output, located in an independent waterproof housing, designed for wall mounting. It is connected to the heating blanket by a cable equipped with a 5-pin waterproof quick connector, facilitating the connection and disconnection with the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. Two temperature limiters are incorporated in the heating net to limit the surface temperature to 50°C.

Connection cable:

Insulated rubber power supply cable, for industrial environments, 3x1.5mm², length 3m, with Euro plug. UL plug on request.

Mounting on containers:

These jacket heaters feature nylon straps with quick-release adjustable buckles and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place a flat insulating lid

Jacket heaters for 1000L IBC containers with tubular steel frame. One heating zone. Digital display electronic temperature controller, remote wall mounting

Options:
- Electronic thermostat temperature range -40+40°C
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

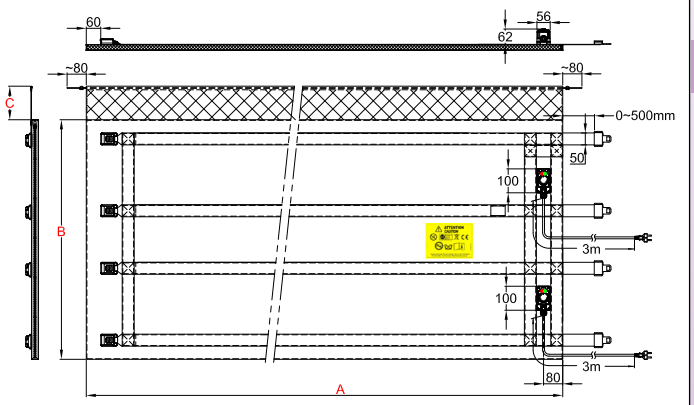
Main references (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)	Max temp. °C	Watt	Voltage V
9VJDFA0D398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	50	2200	220/240

*For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

Jacket heaters for 1000L IBC containers. Two independent heating zones. 2 Miniature electronic thermostats, adjustment by 20-125°C knobs, mounted on jacket surface

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Plastic with tubular steel frame	135°C	Nylon straps and metal buckle	2 Electronic, set point adjustable by knobs from 20 to 125°C	20mm	**9VJBE**



Main Features

Thanks to its two miniature electronic thermostats, adjustable by knob from 20 to 125°C, this series of flexible jacket heaters with 2 heating zones with 2 independent temperature controls are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.

This series of jacket heaters is the most economical solution, with for heating at a set temperature 1000 liters bulk containers (IBC) of 1m x 1.20m and height 1m. For heating half empty containers, it is possible to heat only the lower zone. The jacket heater covers the entire surface and is surmounted by a soft collar (Scarf) preventing sliding down. They are made with three power levels: (0.05W/cm² for temperature up to 50°C, 0.1W/cm² for temperature up to 80°C, and 0.135W/cm² for temperature up to 110°C. Their thickness of insulation is 20mm. In these models the surface temperature is limited to 135°C. They can therefore be used on full metal 1000 liters IBC, and provided that the set points of the electronic regulators are set at sufficiently low temperatures, on plastic containers. When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:

- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:

NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:

Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:

Each of the 2 heating zones has its own electronic thermostat adjustable from 20 to 125°C, located in a waterproof box mounted on the external surface of the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. Each of the 2 heating zones has also its own temperature limiter, incorporated in the heating net to limit the surface temperature to 135°C.

Connection cable:

Each of the 2 heating zones has its own rubber insulated power supply cable, for industrial environments, 3x1.5mm²,

length 3m, with Euro plug. UL plug on request.

Mounting on containers:

These jacket heaters feature nylon straps with quick-release adjustable buckles and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place a flat insulating lid

Options:

- Electronic thermostat temperature range -40+40°C, 30-90°C, 30-110°C
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

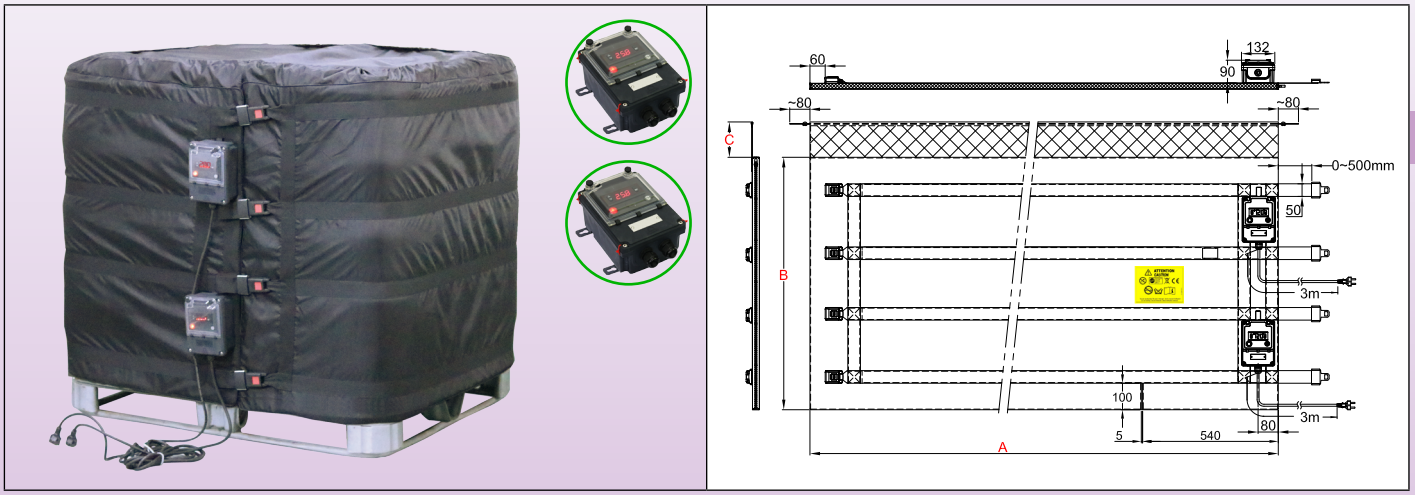
Main reference (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)**	Max temp. °C	Watt	Voltage V
9VJBEA0D398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	50	2x1100	220/240
9VJBEA0D398D405G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0.1 (0.64)	80	2x2200	220/240
9VJBEA0D398F005G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0.135 (0.87) **	110	2x3000	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.
** Surface load not recommended for direct contact with plastic containers.

Jacket heaters for 1000L IBC containers. Two independent heating zones. 2 digital display electronic temperature controllers, adjustment up to 120°C, mounted on jacket surface

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Plastic with tubular steel frame	135°C	Nylon straps and metal buckle	Electronic temperature controllers, set point adjustable up to 120°C	20mm	**9VJBD**



Main Features

Thanks to its digital display electronic temperature controllers, adjustable up to 120°C, this series of flexible jacket heaters with 2 heating zones with 2 independent temperature controls are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.

This series of jacket heaters is the most universal solution, with for heating at a set temperature 1000 liters bulk containers (IBC) of 1m x 1.20m and height 1m. For heating half empty containers, it is possible to heat only the lower zone. The jacket heater covers the entire surface and is surmounted by a soft collar (Scarf) preventing sliding down. They are made with three power levels: (0.05W/cm² for temperature up to 50°C, 0.1W/cm² for temperature up to 80°C, and 0.135W/cm² for temperature up to 110°C. Their thickness of insulation is 20mm. In these models the surface temperature is limited to 135°C. They can therefore be used on full metal 1000 liters IBC, and provided that the set points of the electronic regulators are set at sufficiently low temperatures, on plastic containers. When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
Each of the 2 heating zones has its own electronic temperature controller with digital display adjustable up to 120°C, located in a waterproof box mounted on the external surface of the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. Each of the 2 heating zones has also its own temperature limiter, incorporated in the heating net to limit the surface temperature to 135°C.

Connection cable:
Each of the 2 heating zones has its own rubber insulated power supply cable, for industrial environments, 3x1.5mm², length 3m, with Euro plug. UL plug on request.

Mounting on containers:

Jacket heaters for 1000L IBC containers. Two independent heating zones. 2 digital display electronic temperature controllers, adjustment up to 120°C, mounted on jacket surface

These jacket heaters feature nylon straps with quick-release adjustable buckles and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place a flat insulating lid

Options:

- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

Main references (see the technical introduction for the liquids heating time)

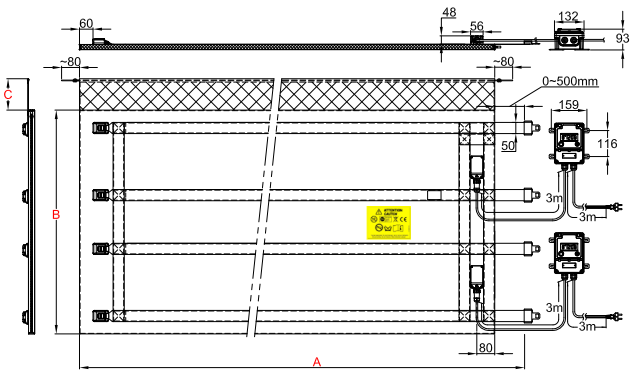
references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)**	Max temp. °C	Watt	Voltage V
9VJBDA0D398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	50	2x1100	220/240
9VJBDA0D398D405G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0.1 (0.64)	80	2x2200	220/240
9VJBDA0D398F005G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0.135 (0.87) **	110	2x3000	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

** Surface load not recommended for direct contact with plastic containers

Jacket heaters for 1000L IBC containers. Two independent heating zones. 2 digital display electronic temperature controllers, adjustment up to 120°C, remote wall mounting

Containers material	Maximum temperature limited to :	Tigthening	Thermostat	Insulation thickness	Type
Plastic with tubular steel frame	135°C	Nylon straps and metal buckle	Electronic temperature controllers, set point adjustable up to 120°C	20mm	**9VJBF**



Main Features

Thanks to its digital display electronic temperature controllers, adjustable up to 120°C, this series of flexible jacket heaters with 2 heating zones with 2 independent temperature controls are used for antifreeze protection, reheating, temperature stabilization, to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.

This series of jacket heaters is the most universal solution, with for heating at a set temperature 1000 liters bulk containers (IBC) of 1m x 1.20m and height 1m. The wall mounting of the control box, as well as the quick connector ensuring the connection of this box on the jacket heater facilitate industrial use in a fixed working place in a production line. For heating half empty containers, it is possible to heat only the lower zone. The jacket heater covers the entire surface and is surmounted by a soft collar (Scarf) preventing sliding down. They are made with three power levels: (0.05W/cm² for temperature up to 50°C, 0.1W/cm² for temperature up to 80°C, and 0.135W/cm² for temperature up to 110°C. Their thickness of insulation is 20mm. In these models the surface temperature is limited to 135°C. They can therefore be used on full metal 1000 liters IBC, and provided that the set points of the electronic regulators are set at sufficiently low temperatures, on plastic containers. When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20 mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Adjustable metal buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

Fabric covering:
- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

Thermal insulation:
NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

Heating element:
Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

Temperature control:
Each of the 2 heating zones has its own electronic controller with digital display, On-Off action, relay output, located in an independent waterproof housing, designed for wall mounting. It is connected to the heating blanket by a cable equipped with a 5-pin waterproof quick connector, facilitating the connection and disconnection with the jacket heater. It controls the temperature by means of a thermistor probe placed on the inner surface of the fabric in contact with the container. This probe has an anticipation loop avoiding overheating. Each of the 2 heating zones has also its own temperature limiter, incorporated in the heating net to limit the surface temperature to 135°C.

Connection cable:
Each of the 2 heating zones has its own rubber insulated power supply cable, for industrial environments, 3x1.5mm², length 3m, with Euro plug. UL plug on request.

Jacket heaters for 1000L IBC containers. Two independent heating zones. 2 digital display electronic temperature controllers, adjustment up to 120°C, remote wall mounting

Mounting on containers:
These jacket heaters feature nylon straps with quick-release adjustable buckles and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place a flat insulating lid

Options:
- Double display electronic temperature controller, Pt100 sensor, ON-OFF action, electromechanical relay power output.
- Double display electronic temperature controller, Pt100 sensor, PID action, solid state relay (SSR) power output.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)
- Lids and insulating pedestals: see the accessories pages.

Compliance with standards: CE compliant. TUV certificate for EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

Main references (see the technical introduction for the liquids heating time)

references*	Volume, US gallons	Volume, Liters	Dia. (mm ± 12 ; Inch ± ½")	Height A (mm/inch)	Flat length B (mm/inch)	Scarf C (mm/ inch)	w/cm² (W/in²)	Max temp. °C	Watt	Voltage V
9VJBFA0D398B205G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0,05 (0.32)	50	2x1100	220/240
9VJBFA0D398D405G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0.1 (0.64)	80	2x2200	220/240
9VJBFA0D398F005G	264	1000	1000 x 1200 (39.4 x 47.3)	1000 (39.4)	4390 (172.8)	100 (3.9)	0.135 (0.87) **	110	2x3000	220/240

* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

** Surface load not recommended for direct contact with plastic containers.

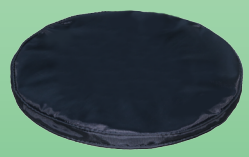
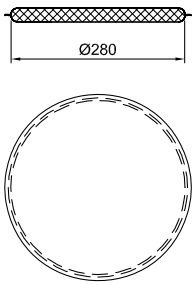
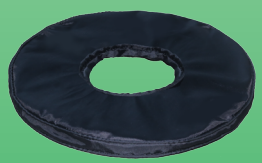
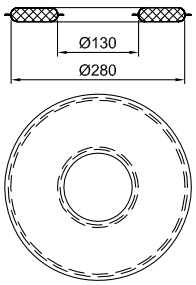
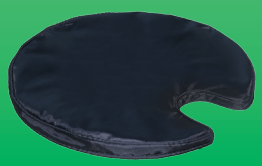
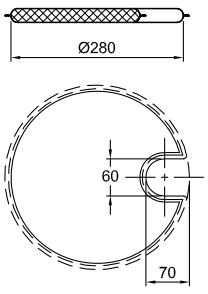
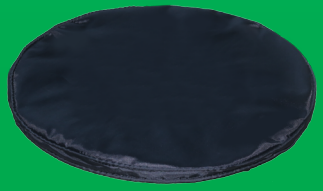
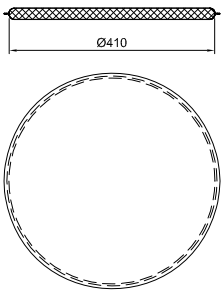
Complementary insulation accessories

Insulation lids (without heating), with or without orifices for stirrers and temperature sensors

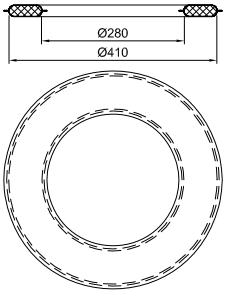
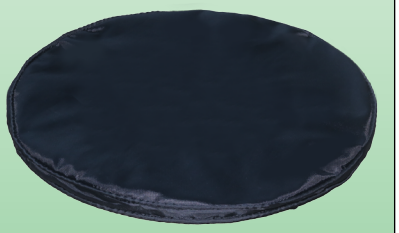
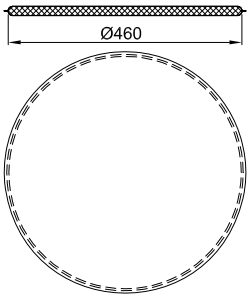
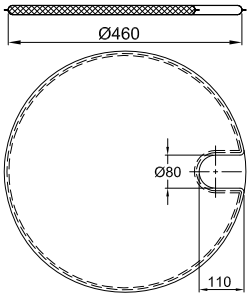
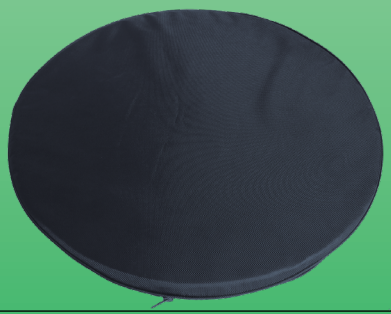
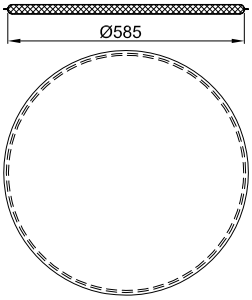
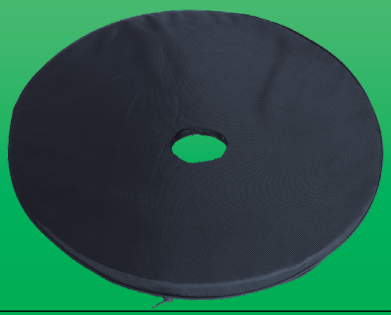
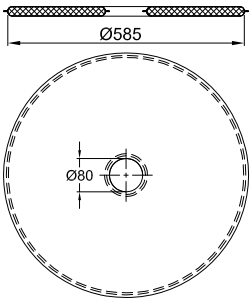
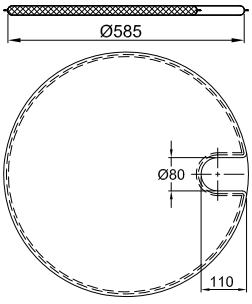
Model	Insulation thickness	Protective cover fabric	Type
Insulating lid	20mm	PA with PU waterproof internal layer	**9V2C**

Main Features

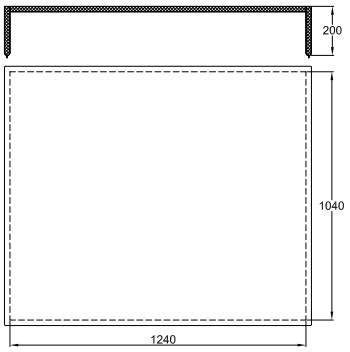
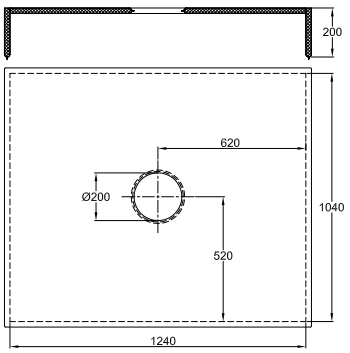
These insulating lids make it possible to limit the heat losses of the containers to the outside as much as possible, and thus either to reduce the power required to protect them against frost or to heat them with an equal power and significantly reduce the heating time required for reach the desired temperature.
They use the same PA66 fabric with PU sealing layer, and the same insulating foam as the jacket heaters. They are made in 20mm thickness only.
Insulating lids for circular containers are designed to be held in place by the jacket heater scarf, which must be closed over them.
These lids are available in two versions: with or without a hole at the same place than the filling cap of the container. This hole can be used for filling, or for accessories like temperature sensor, stirrer or additional immersion heater.
The heating lids for bulk containers of 1000 liters (IBC) includes a skirt which covers the upper part of the heating mantle on 200mm, in order to limit the heat losses at this level as much as possible.
Options: other position and diameter for the filling hole.

Picture	Drawing	Description	Reference
		Dia. 280mm lid for 18/20L (5 gallons) and 23/25L (6 gallons) without filling hole	9V2CP62800000000
		Dia. 280mm lid for 18/20L (5 gallons) and 23/25L (6 gallons) with central filling hole dia 130 mm	9V2CQ6280000A300
		Dia. 280mm lid for 23/25L (6 gallons) with tangential filling hole dia. 60 mm	9V2CR62800006000
		Dia. 410mm lid for 60L (15 gallons) without filling hole	9V2CP64100000000

Insulation lids (without heating), with or without orifices for stirrers and temperature sensors

Picture	Drawing	Description	Reference
		Dia. 410mm lid for 60L (15 gallons) with central filling hole dia. 280 mm	9V2CQ6410000B800
		Dia. 460mm lid for 110L (30 gallons) without filling hole	9V2CP64600000000
		Dia. 460mm lid for 110L (30 gallons) with tangential filling hole dia. 80 mm	9V2CR64600008000
		Dia. 580mm lid for 210L (55 gallons) without filling hole	9V2CP65800000000
		Dia. 580mm lid for 210L (55 gallons) with central filling hole dia. 80 mm	9V2CQ65800008000
		Dia. 580mm lid for 210L (55 gallons) with tangential filling hole dia. 80 mm	9V2CR6580008000

Insulation lids (without heating), with or without orifices for stirrers and temperature sensors

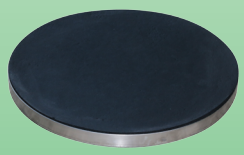
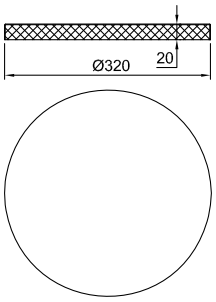
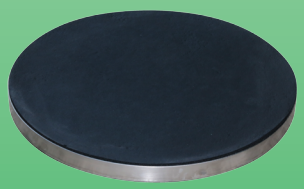
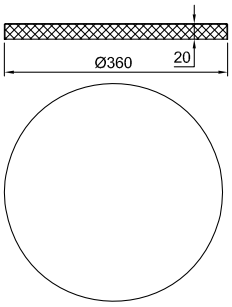
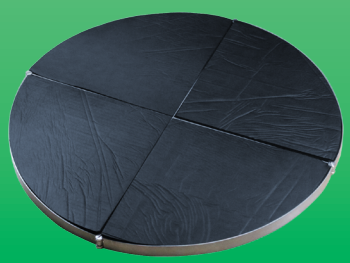
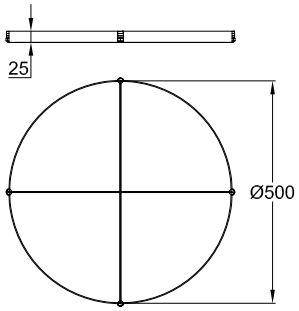
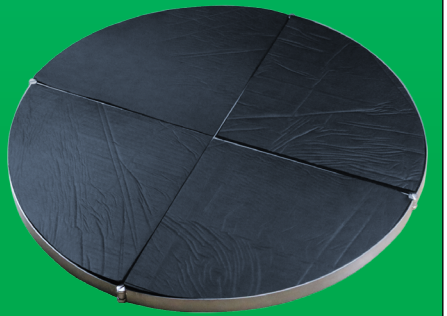
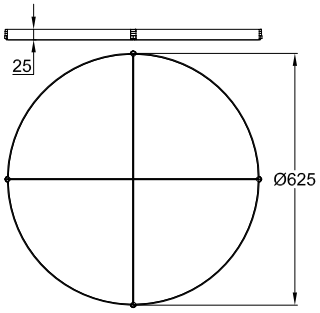
Picture	Drawing	Description	Reference
		1.2 x 1m lid for1000L IBC, with 200mm skirt, without filling hole	9V2CP61001200020
		1.2 x 1m lid for1000L IBC, with 200mm skirt, with central filling hole dia. 100 mm	9V2CP6100120A020

Insulation pedestals (without heating)

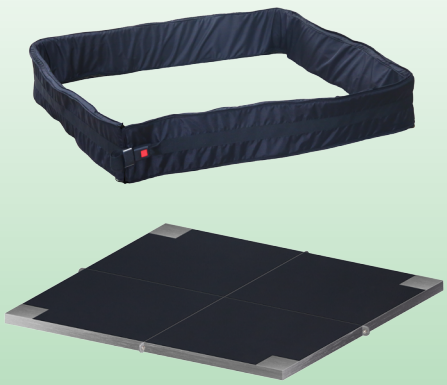
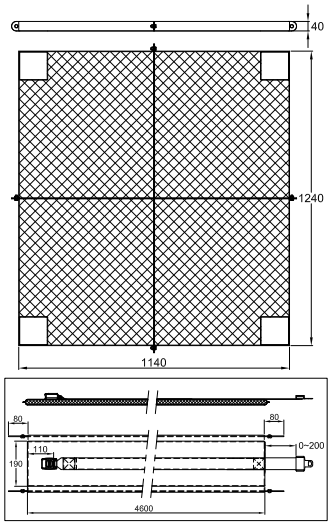
Model	Insulation thickness	Protective cover fabric	Type
Insulating pedestal	20mm (40mm for 1000L IBC)	No	**9V2E**

Main Features

These insulating pedestals make it possible to limit the heat losses of the containers to the outside as much as possible, and thus either to reduce the power required to protect them against frost or to heat them with an equal power and significantly reduce the heating time required for reach the desired temperature.
They feature a rigid stainless steel structure, designed to support the weight of the container and the same insulating foam as the jacket heaters. They are made in 20mm insulation thickness, excepted for the 1000L IBC, made in 40mm.
Insulation foam is not protected by fabric and is easily replacable.
The insulating bases for the 1000 liters IBC comprise a flexible scarf intended to cover the pallet sides or the perforated metal structure of the lower part of these containers, in order to limit as much as possible the heat losses at this level.
The insulating bases of diameter 460mm and more and those of 1000 liters IBC can be split into 4 parts to facilitate their transport.

Picture	Drawing	Description	Reference
		Dia. 320 mm pedestal for 18/20L (5 gallons) and 20/25L (6 gallons)	9V2EP4320
		Dia. 450 mm pedestal for 50/55L (15 gallons)	9V2EP450
		Dia. 500mm pedestal for 110L (30 gallons)	9V2EP4500
		Dia. 620mm pedestal for 210L (55 gallons)	9V2EP420

Insulation pedestals (without heating)

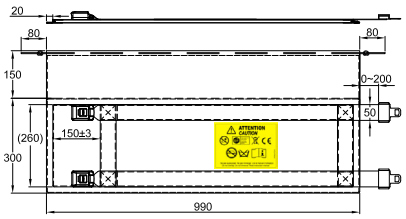
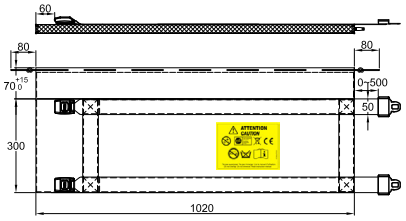
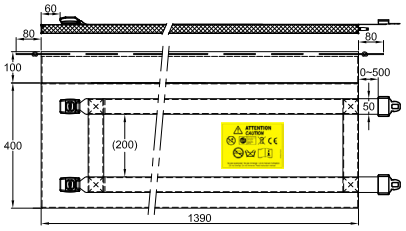
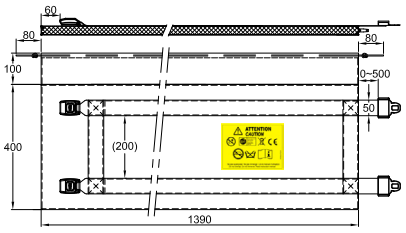
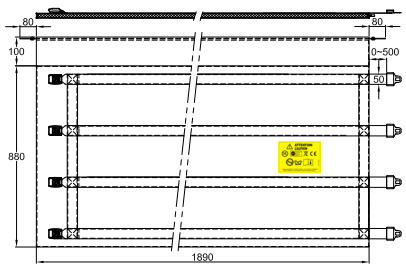
Picture	Drawing	Description	Reference
		1240 x 1040 x40mm pedestal for1000 liters IBC, with removable insulating scarf with strap and buckle	9V2EP71041240020

Insulated jackets (without heating)

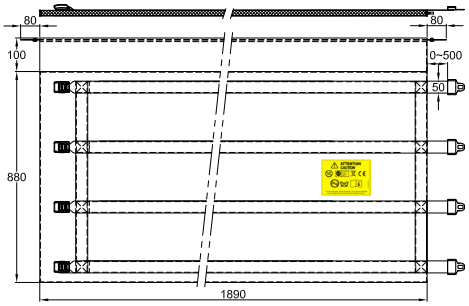
Model	Insulation thickness	Protective cover fabric	Type
Insulated jacket	20mm	PA with PU waterproof internal layer	**9V2D**

Main Features

These insulating jackets thermally isolate tanks from their environment. They limit as much as possible the thermal losses of the containers towards the outside. They have straps, metal buckles and scarf identical to the heated models. They can be used to keep containers warm, to protect them from weak frosts, or to cover a tank heated by another system (induction, silicone heating belt, heating base, thermal fluid circulation).

Picture	Drawing	Description	Reference
		Height 300mm, dia. 280mm for 18/20L (5 gallons)	9V2D6030095
		Height 300mm, dia. 280mm for 23/25L (6 gallons)	9V2D6030102
		Height 400mm, dia. 410mm for 60L (15 gallons)	9V2D6040139
		Height 730mm, dia. 460mm for 110L (30 gallons)	9V2D6073155
		Height 880mm dia. 585mm for 210L (55 gallons)	9V2D6088189

Insulated jackets (without heating)

Picture	Drawing	Description	Reference
		Height 1m with 1.2 x 1m base for1000L IBC.	9V2D6100439