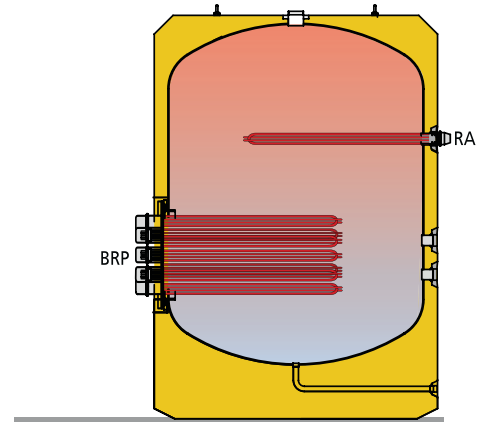




The MASTER VITRO models can be fitted with electric heating elements:

- "RB/EB" STORAGE models:
MAIN ELECTRIC HEATING
and/or BACKUP ELECTRIC HEATING
- Models with "SB/SSB" COILS :
BACK-UP ELECTRIC HEATING



MASTER "VITRO" threaded immersion heating elements, in INCOLOY, for electric heating:

Electric heating element model	KW	V	Thread	Integrated control	IP	Length L*	MAIN HEATING and/or BACKUP HEATING	BACKUPHEATING
RA4/2-60H	6,0	230/400	2" M	-	40	797	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-90H	9,0	230/400	2" M	-	40	1115	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-120DH	12,0	230/400	2" M	-	40	680	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-120DHT	12,0	230/401	2" M	Regulation and safety thermostat*	65	680	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-125DHT	12,5	230/400	2" M	Regulation and safety thermostat*	65	680	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-150DH	15,0	230/400	2" M	-	40	820	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-150DHT	15,0	230/400	2" M	Regulation and safety thermostat*	65	820	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-250DH	25,0	230/400	2" M	-	40	1200	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB
RA4/2-250DHT	25,0	230/400	2" M	Regulation and safety thermostat*	65	1200	MVV1500-...6000-RB/EB	MVV1500-...6000-SB/SSB



(*) Regulation thermostat: 0 - 75°C (adjusted to 60 °C) / Safety thermostat: 90 °C

HIGH ELECTRIC POWERS:

If high electric power storage tanks have to be installed, the electric heating elements can be grouped together in the ND400 manhole. The "RB" models can be fitted with up to 8 immersion elements in the ND400 side manhole, to obtain a maximum power of 200 KW. For the 2000, 3500, 5000 and 6000 litre models an optional second ND400 manhole can be included to group together up to 16 electric heating elements, for a maximum power of 400 KW.

SPECIAL MANUFACTURE: The "SB" and "SSB" models can only incorporate electric heating elements in the ND400 if it is moved to the top part of the storage tank, above the set of coils. In this case the electric heating would act as backup heating. As an option, the 2000, 3500, 5000 and 6000 litre models can also include a second ND400.

In all of the cases the system is supplied with a protective box for the set of heating elements in stainless steel, with a lid.

MVV "RB" models with threaded immersion heating elements, in MH ND400

LOWER MANHOLE main heating		UPPER MANHOLE backup heating
Tank models MVV "RB"	Number of heating elements on MH ND400	Number of heating elements on MH ND400 (OPTIONAL)
MVV1500RB	3, 4, 5, 6, 7 u 8	-
MVV2000RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV2500RB	3, 4, 5, 6, 7 u 8	-
MVV3000RB	3, 4, 5, 6, 7 u 8	-
MVV3500RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV4000RB	3, 4, 5, 6, 7 u 8	-
MVV5000RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV6000RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8



MVV "SB/SSB" models with threaded immersion heating elements, in MH ND400

(ONLY BACKUP HEATING)

(OPTION 1) Manhole moved to top part of tank.

(OPTION 2) Second manhole on top part of tank

Tank models MVV "SB/SSB"	Number of heating elements on MH ND400 (OPTION 1)	Number of heating elements on 2nd MH ND400 (OPTION 2)
MVV1500SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV2000SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV2500SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV3000SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV3500SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV4000SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV5000SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV6000SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8



MASTER "VITRO" sheathed CERAMIC HEATING ELEMENTS on stainless steel plate for MH ND400

ND400 stainless steel plate with sheaths for ceramic heating elements + no. of heating elements selected. NUMBER OF HEATING ELEMENTS per plate in MH ND400: 3, 4, 5, 6, 7 or 8

Electric element model	KW	V	Length L*	Optional application on models MVV	
				MAIN and/or BACKUP HEATING	BACKUP HEATING
RCER-45	4,5	230/400	800	MVV1500-...6000-RB	MVV1500-...6000-SB/SSB
RCER-60	6,0	230/400	1000	MVV1500-...6000-RB	MVV1500-...6000-SB/SSB



ELECTRIC HEATING WITH CERAMIC HEATING ELEMENTS. "DRY" SYSTEM

With the "dry" system with ceramic electric heating elements there is no need to drain the storage tank when fitting/removing or replacing the heating elements.

This system consists of a ND400 stainless steel plate with blind sheaths in the same material that house the ceramic heating elements.

With a maximum of 8 units per ND400 plate, this system provides a maximum of 48 KW of electric power.

As an option, the storage tank can be equipped with a second ND400 manhole. In this case, maximum installable power would be 96 KW (only valid for 2000, 3500, 5000 and 6000 litre "RB" models).

In all of the cases the system is supplied with a protective box for the set of heating elements in stainless steel, with a lid.

MVV "RB" models with ceramic electric heating elements, in ND400 MANHOLE

LOWER MANHOLE main heating		UPPER MANHOLE backup heating
Tank models MVV "RB"	Number of heating elements on MH ND400	Number of heating elements on 2nd MH ND400 (OPTIONAL)
MVV1500RB	3, 4, 5, 6, 7 u 8	-
MVV2000RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV2500RB	3, 4, 5, 6, 7 u 8	-
MVV3000RB	3, 4, 5, 6, 7 u 8	-
MVV3500RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV4000RB	3, 4, 5, 6, 7 u 8	-
MVV5000RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV6000RB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8



MVV "SB/SSB" models with ceramic electric heating elements, in ND400 MANHOLE

(BACKUP HEATING ONLY)

(OPTION 1) Manhole moved to top part of tank.

(OPTION 2) Second manhole on top part of tank

Tank models MVV "SB/SSB"	Number of heating elements on MH ND400 (OPTION 1)	Number of heating elements on 2nd MH ND400 (OPTION 2)
MVV1500SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV2000SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV2500SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV3000SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV3500SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV4000SB/SSB	3, 4, 5, 6, 7 u 8	-
MVV5000SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8
MVV6000SB/SSB	3, 4, 5, 6, 7 u 8	3, 4, 5, 6, 7 u 8



In all of the cases the system is supplied with a protective box for the set of heating elements in stainless steel, with a lid.