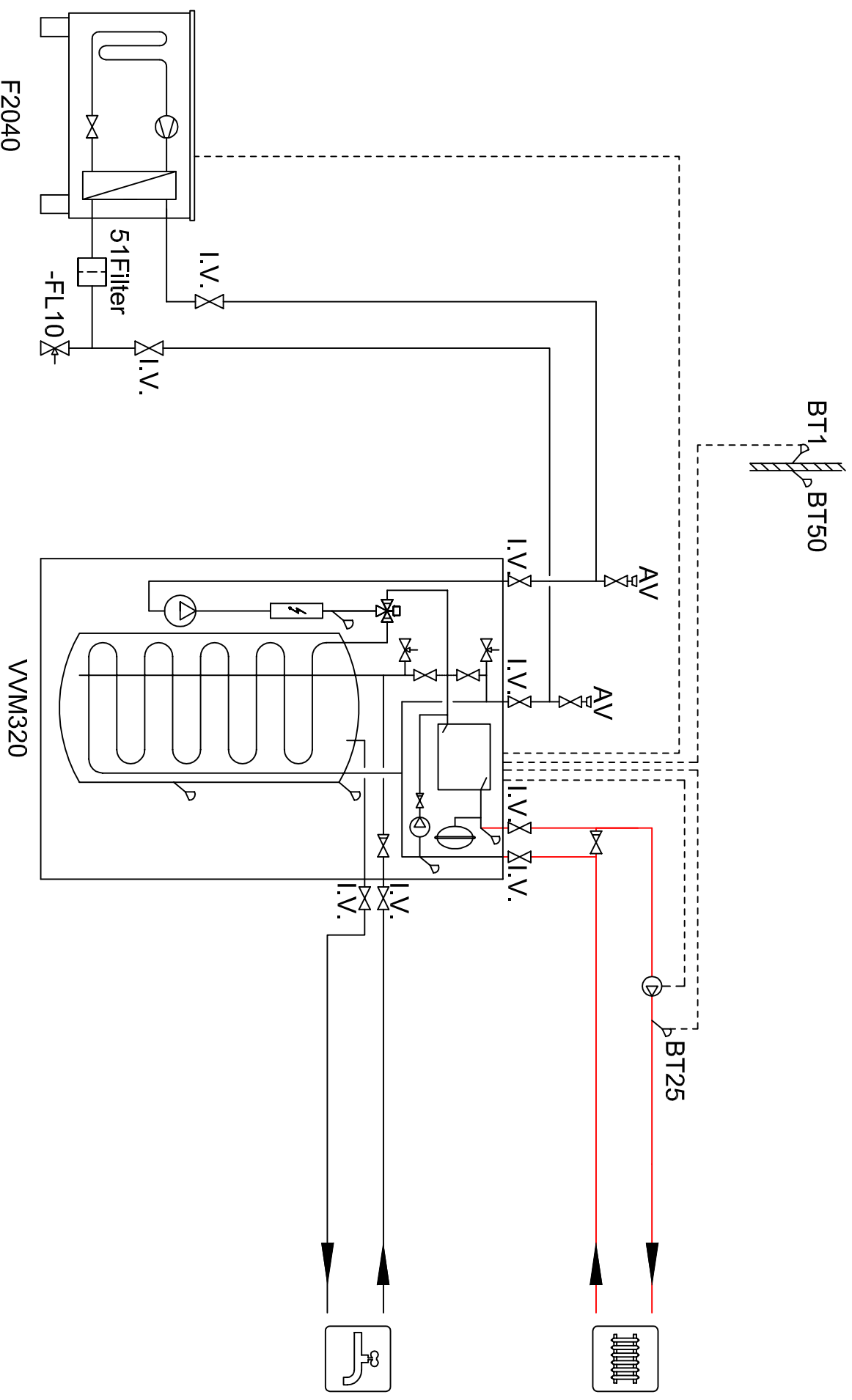


NIBE F2040 DOCKED WITH VVM320 - 1 CLIMATE SYSTEM



Labels according to IEC 61346-2

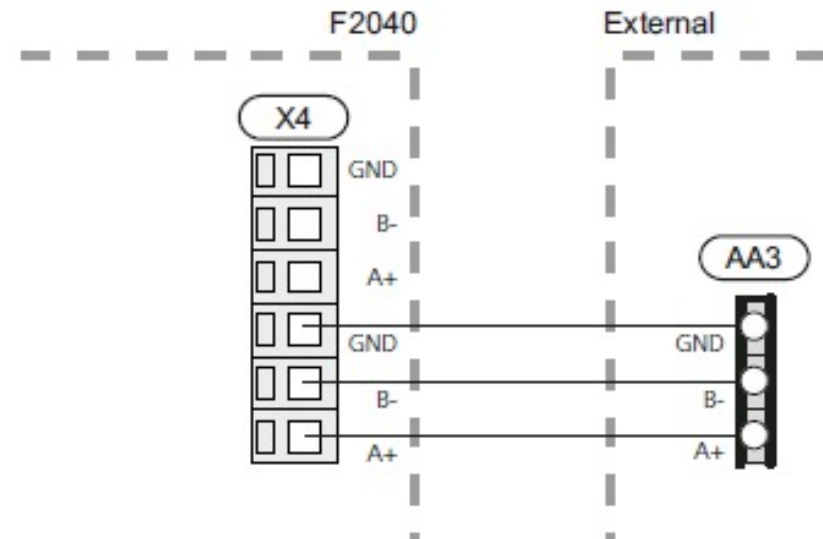
PLUMBING OF THE NIBE F2040 AND VVM320

- VVM320 MUST HAVE ISOLATION VALVE'S (I. V.) ON EACH OUTLET/INLET OF THE VVM320 AND OF THE F2040 FOR SERVICING PURPOSES.
- AUTOMATIC AIR VENTS MUST BE FITTED ON THE FLOW AND RETURN FROM VVM320 TO THE F2040 HEAT PUMP.
- A FLAP TYPE NON RETURN VALVE MOUNTED ON THE HORIZONTAL MUST BE INSTALLED AS PER THE DIAGRAM ABOVE.
- A CIRCULATING PUMP SIZED TO MEET THE DEMAND OF THE UNDER FLOOR HEATING OR RADIATOR SYSTEM MUST BE INSTALLED AS PER THE DIAGRAM ABOVE.
- AT LEAST 1" COPPER OR 32 MM PRT PIPE MUST BE USED AS A FLOW AND RETURN BETWEEN THE F2040 AND VVM320. QUALPEX MUST NOT BE USED.

ELECTRICAL CONNECTIONS OF THE NIBE F2040 AND VVM320

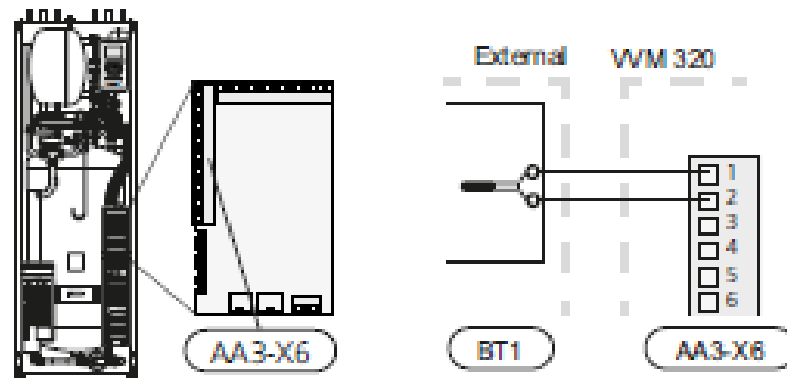
F2040 DETAILS -

- F2040 HEAT PUMP IS SUPPLIED WITH A 10SQ CABLE TO BE CONNECTED ON TO.
- A 40 "A" C OR D RATED MCB IS REQUIRED.
- A 16 KVA CONNECTION IS REQUIRED AND A NIGHT RATE METER IS REQUIRED.
- A SCREENED CAT5 OR BELDON CABLE MUST BE RAN BETWEEN THE F2040 AND VVM320. **THIS MUST NOT BE** RAN IN A CONDUIT WITH LIVE CABLES.
- PLEASE DO NOT CONNECT THE SCREENED CAT5 OR BELDON CABLE TO THE EXTERNAL UNIT UNTIL FINAL COMMISSIONING OR OTHERWISE INFORMED BY UNIPIPE.
- A ROTARY ISOLATION SWITCH MUST BE INSTALLED BY THE F2040

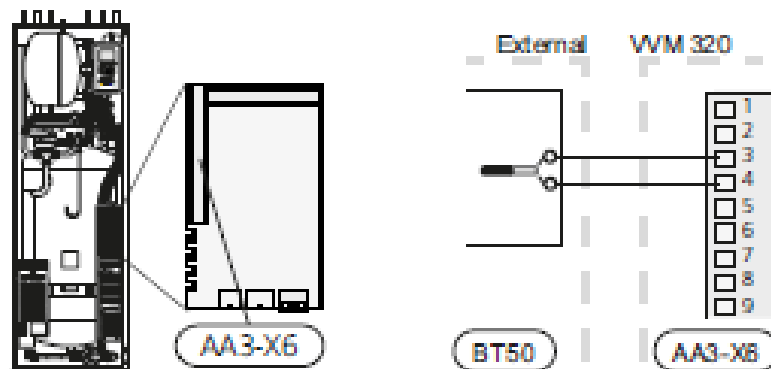


VVM320 DETAILS -

- THE VVM320 IS SUPPLIED WITH A 10SQ CABLE TO BE CONNECTED ON TO.
- THE OUTSIDE SENSOR BT1 MUST BE LOCATED ON A NORTH FACING EXTERNAL WALL AND WIRED IN SCREENED CAT5, TO INSURE THAT IS NOT AFFECTED BY SUNLIGHT. THE SENSOR MUST WE WIRED INTO BASE CARD AA3-X6:1 AND AA3-X6:2 AS BELOW -

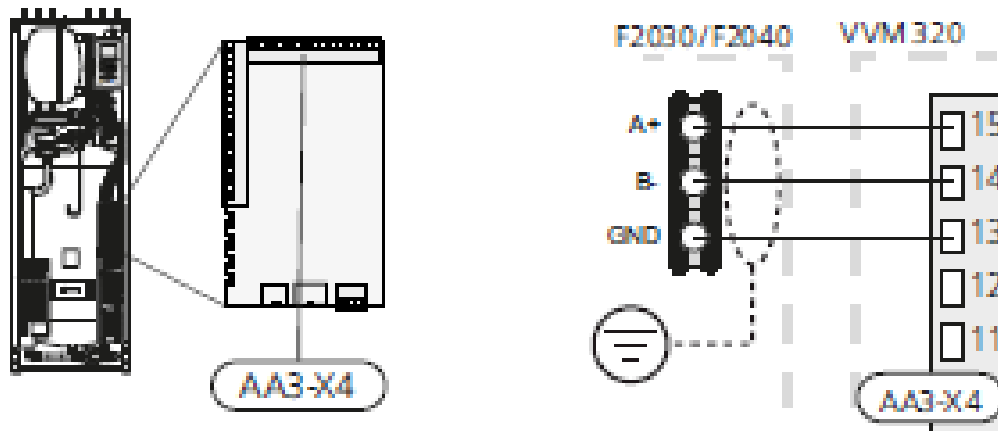


- THE ROOM SENSOR BT50 MUST BE WIRED FROM A LOCATION WITHIN THE DWELLING AND WIRED IN SCREENED CAT5. THE SENSOR IS ONLY USED FOR CONTROLLING PURPOSES WHEN USING RADIATORS. THE SENSOR MUST BE WIRED INTO BASE CARD AA3-X6:3 AND AA3-X6:4 AS BELOW -



VVM320 DETAILS CONTINUED-

- THE COMMUNICATION CABLE WIRED IN SCREENED CAT5 AND WIRED INTO BASE CARD AA3-X4:13 AND AA3-X4:14 AND AA3-X4:15 AS SHOWN BELOW -



- THE SENSOR BT25 MUST BE WIRED IN SCREENED CAT5 AND WIRED INTO BASE CARD AA3-X6:5 AND AA3-X6:6

VVM320 DETAILS CONTINUED-

- FOR CONTROLLING THE EXTERNAL CIRCULATING PUMP ON THE HEATING SYSTEM AS SHOWN IN THE DIAGRAM ABOVE, A FUSE SPUR FROM THE FUSE BOARD OR SIMILAR MUST BE USED. THE EN SUPPLY WILL BE BROUGHT STRAIGHT TO THE CIRCULATING PUMP. THE LIVE WILL BE WIRED INTO THE 'C' OR TERMINAL AA3-X7 WITH A LOOPED LIVE OUT FROM 'NO' OF TERMINAL AA3-X7 TO THE CIRCULATING PUMP TO ALLOW CONTROL OF THE CIRCULATING PUMP BY THE HEAT PUMP. DIAGRAM AS SHOWN BELOW -

