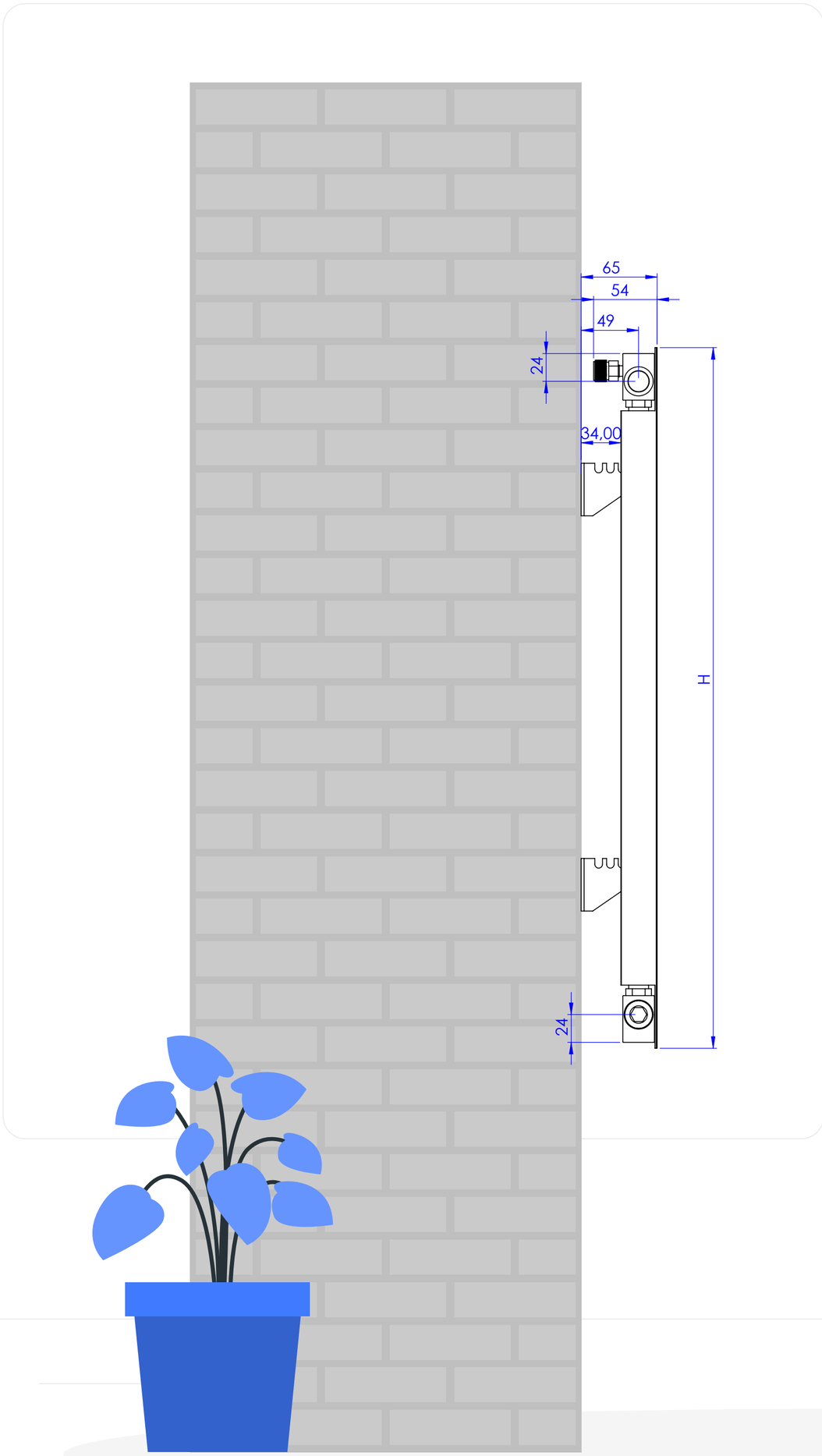QA-FR-ASM