TEST 1

PEX-A1

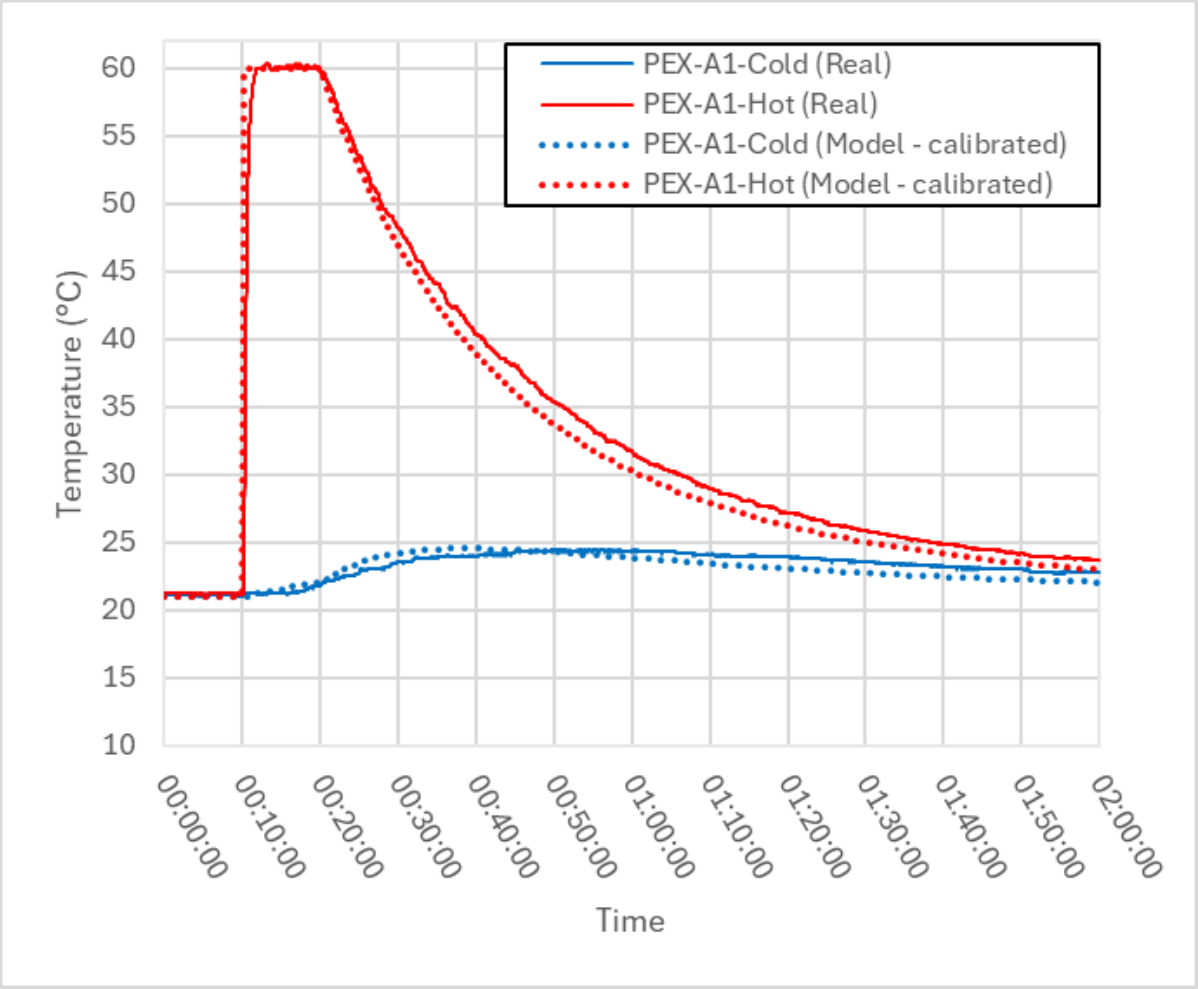

Figure S 1. Shower PEX-A1. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

PEX-B1

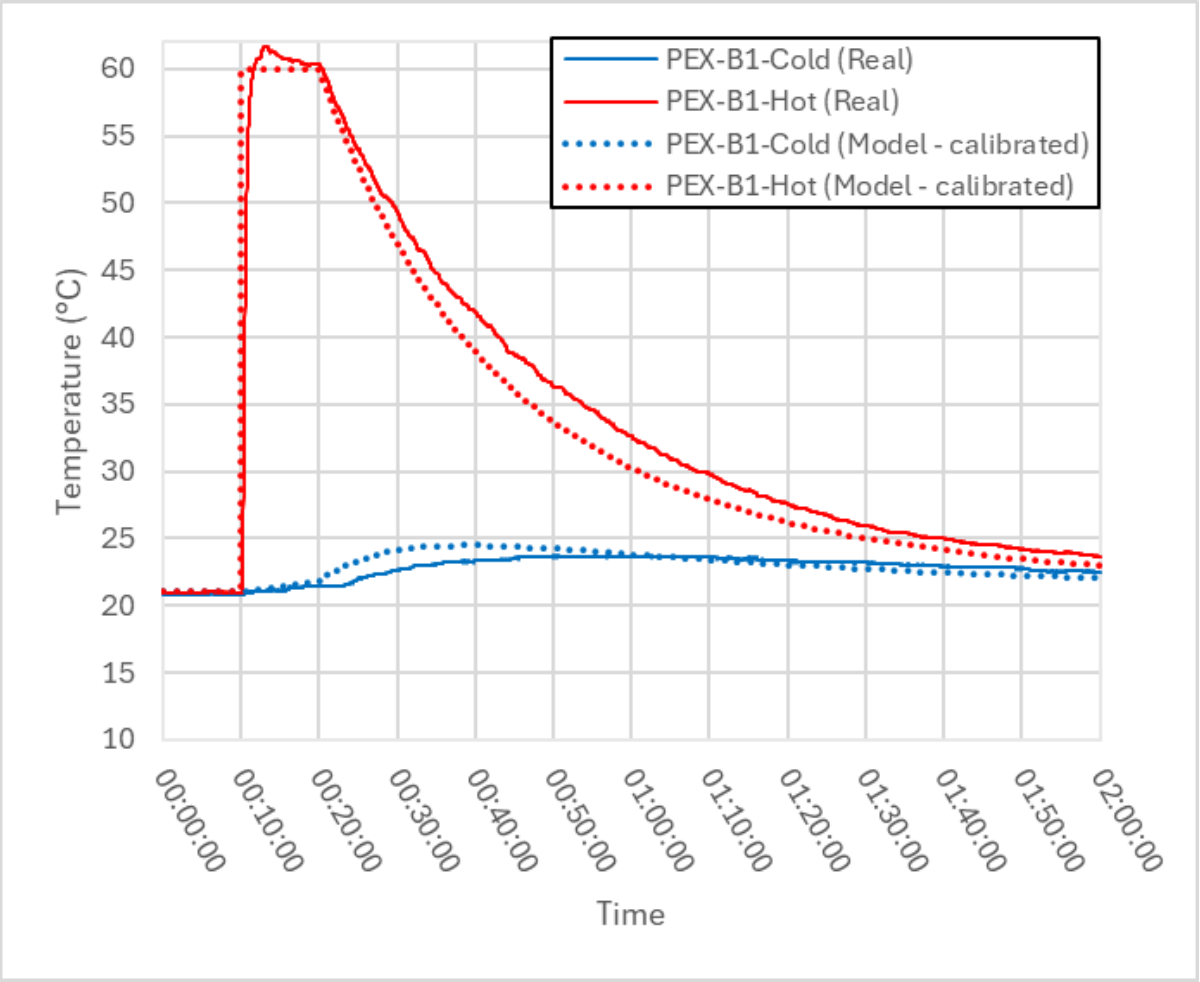

Figure S 2. Shower PEX-B1. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

PEX-C1

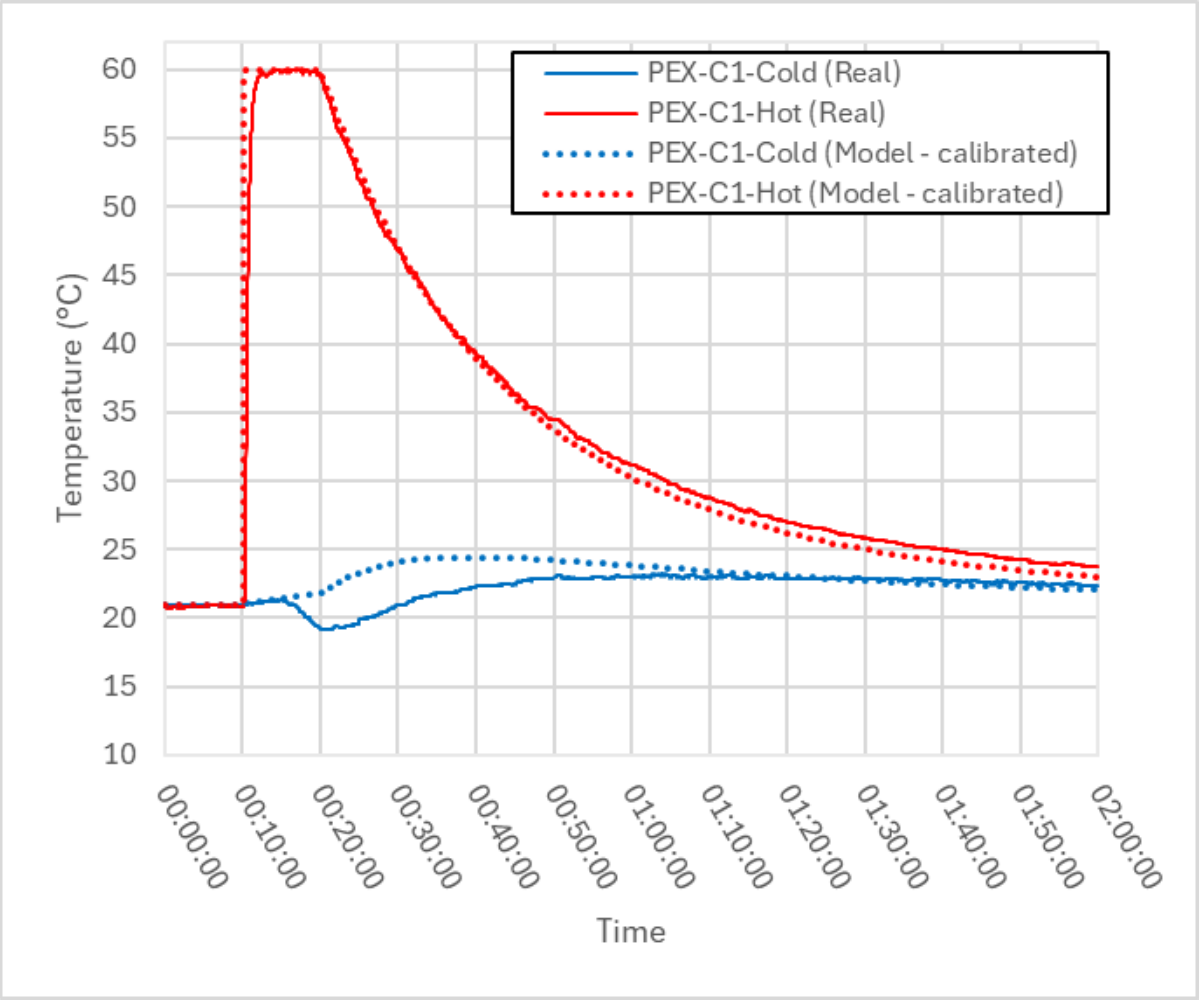

Figure S 3. Shower PEX-C1. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

Cu-A1

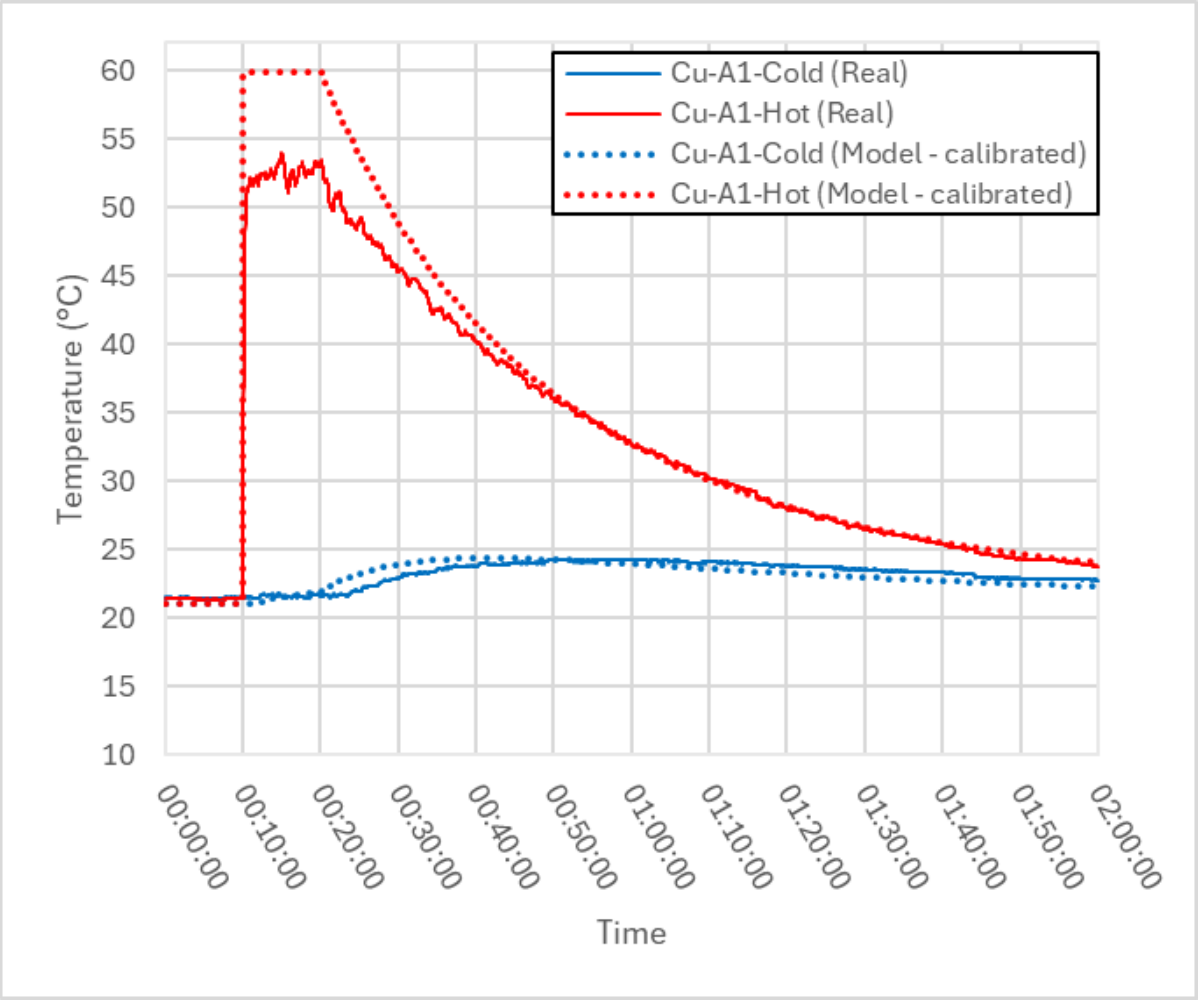

Figure S 4. Shower Cu-A1. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

Cu-B1

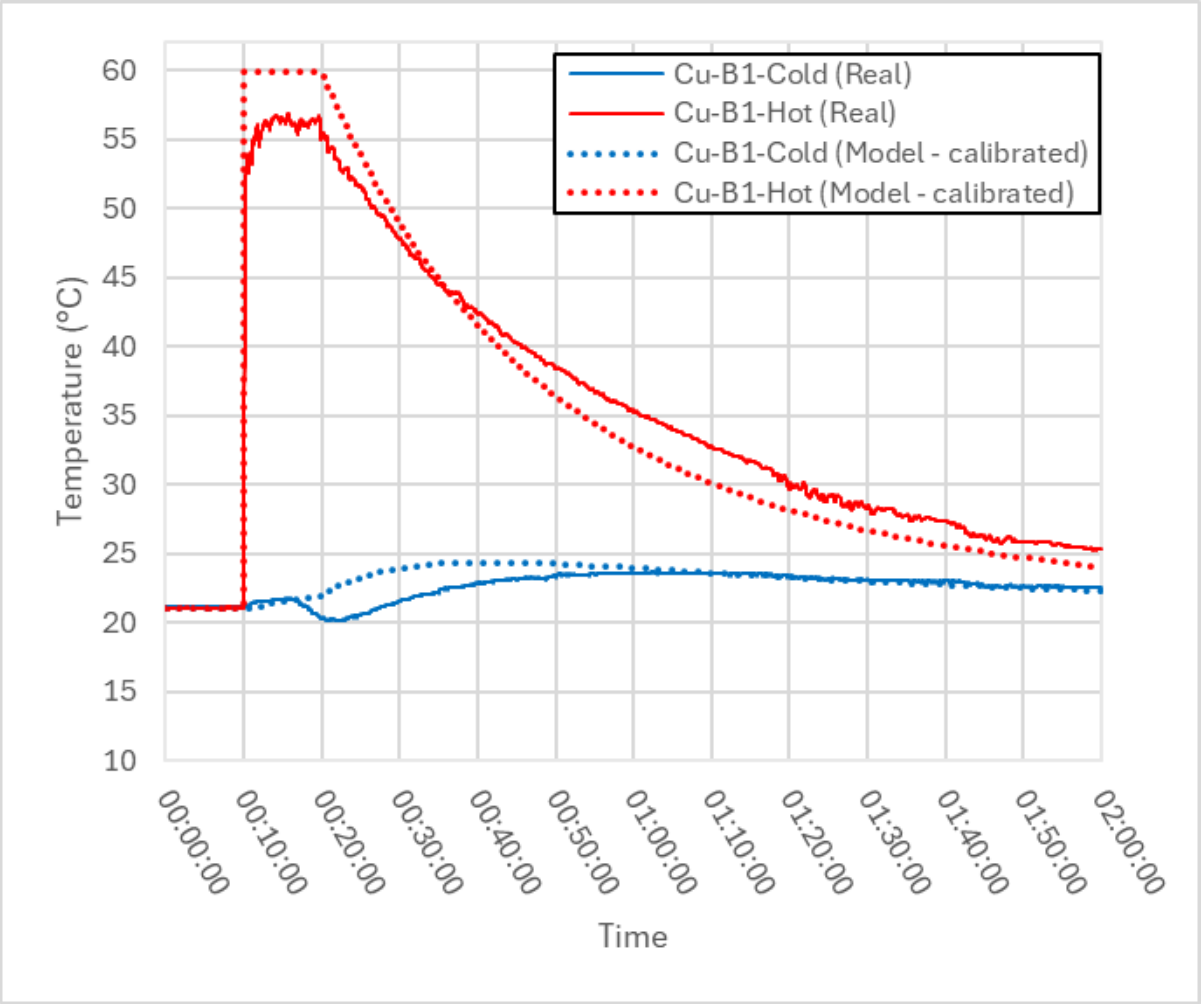

Figure S 5. Shower Cu-B1. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

Cu-C1

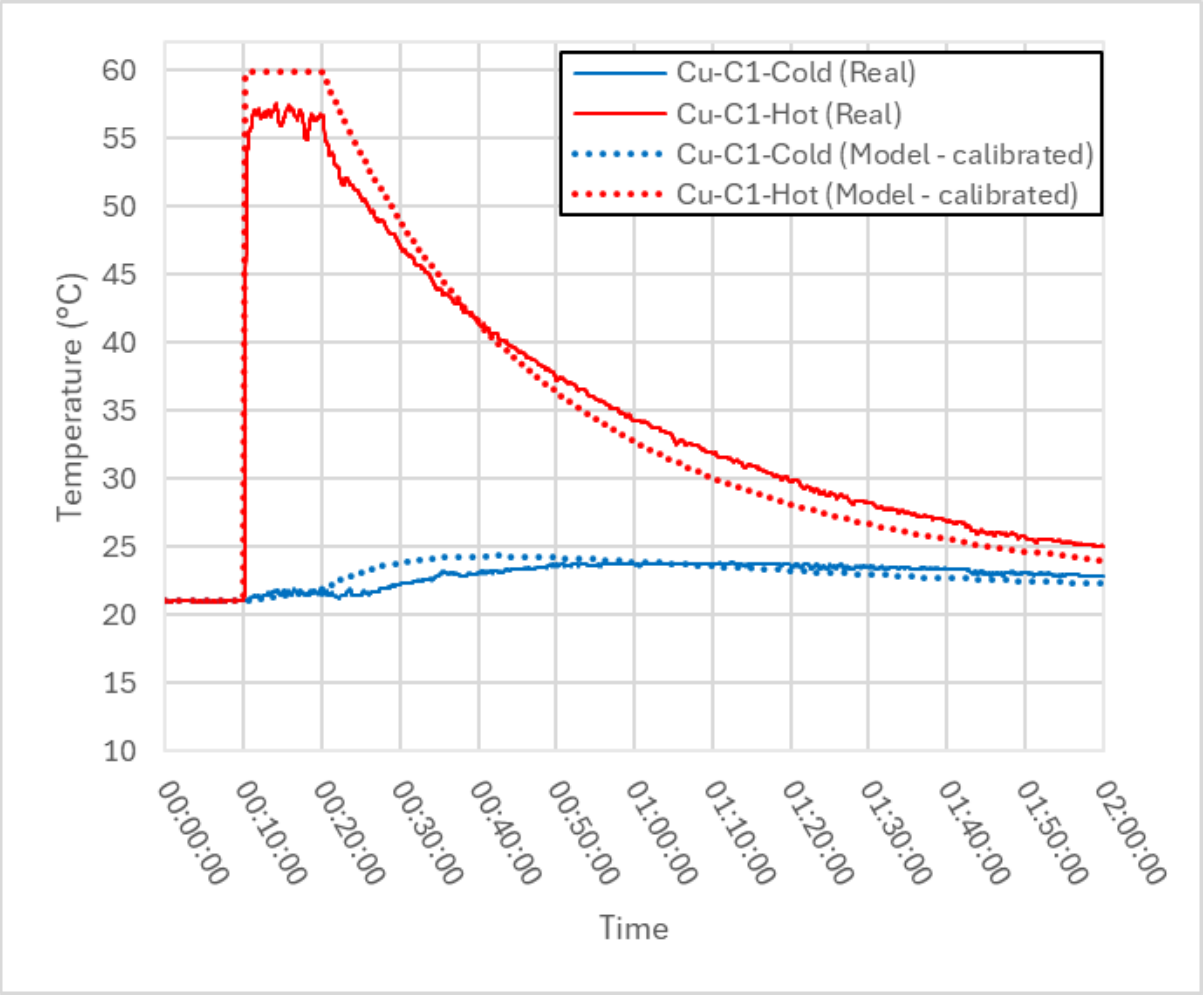

Figure S 6. Shower Cu-C1. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

TEST 2

PEX-A2

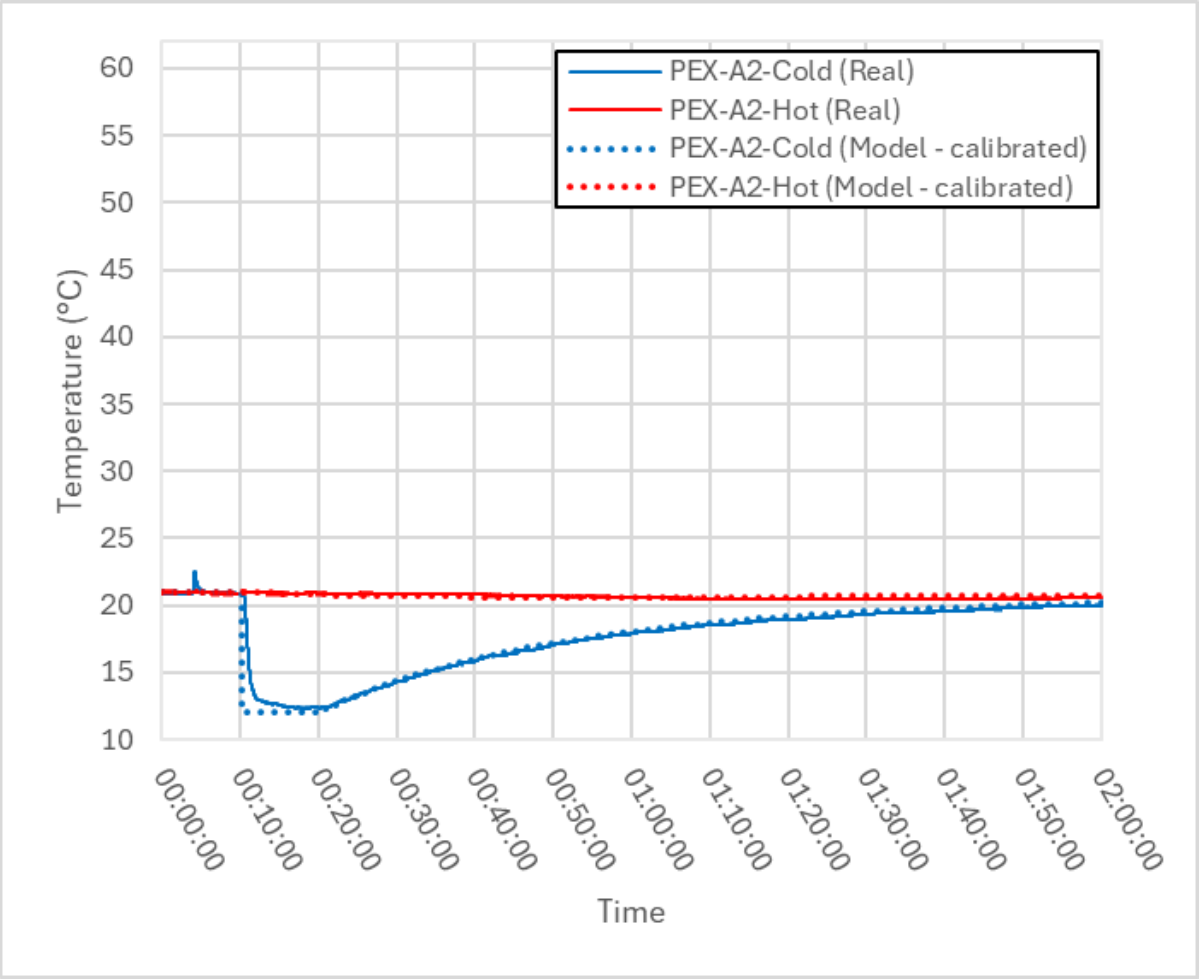

Figure S 7. Shower PEX-A2. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

PEX-B2

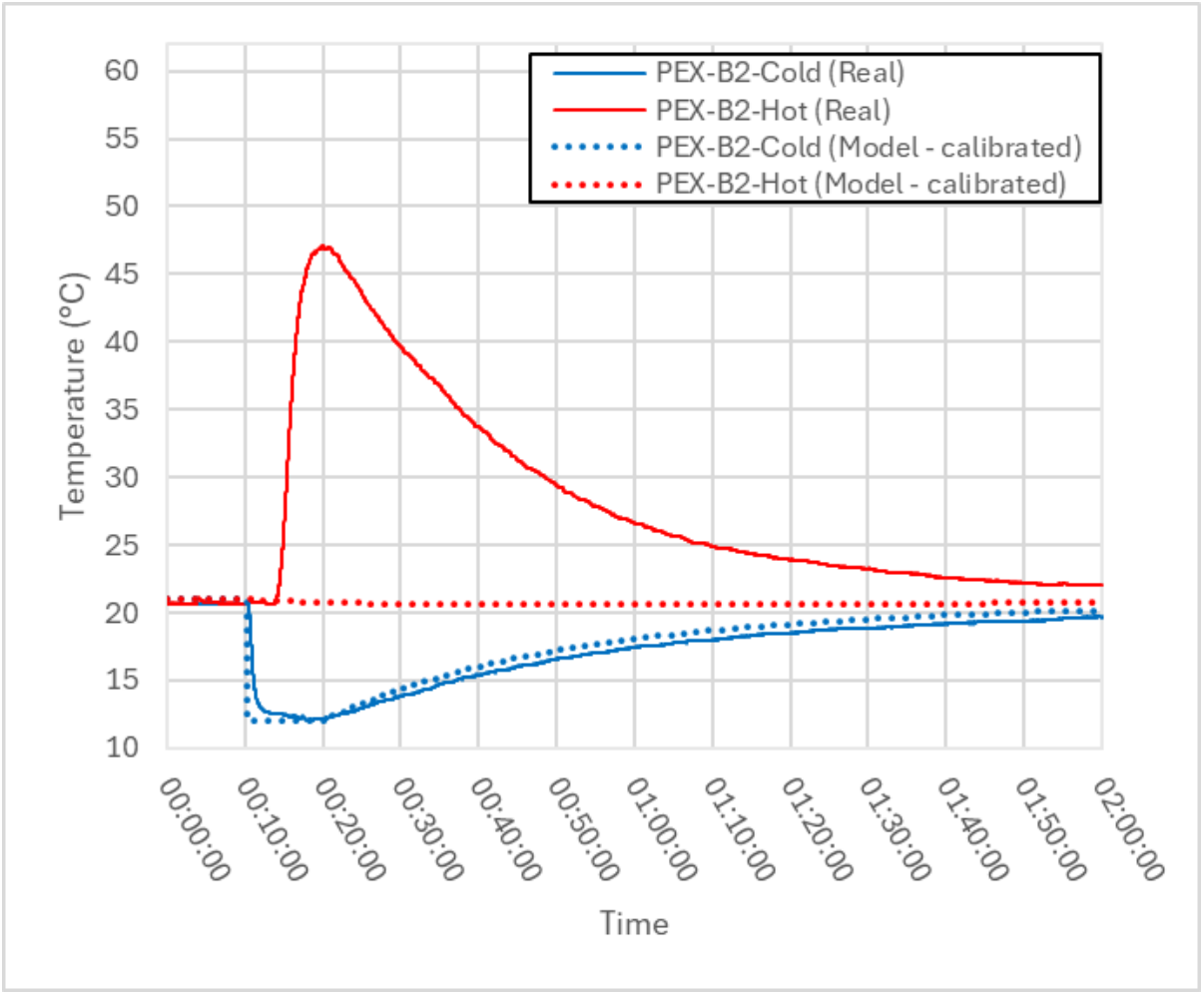

Figure S 8. Shower PEX-B2. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

PEX-C2

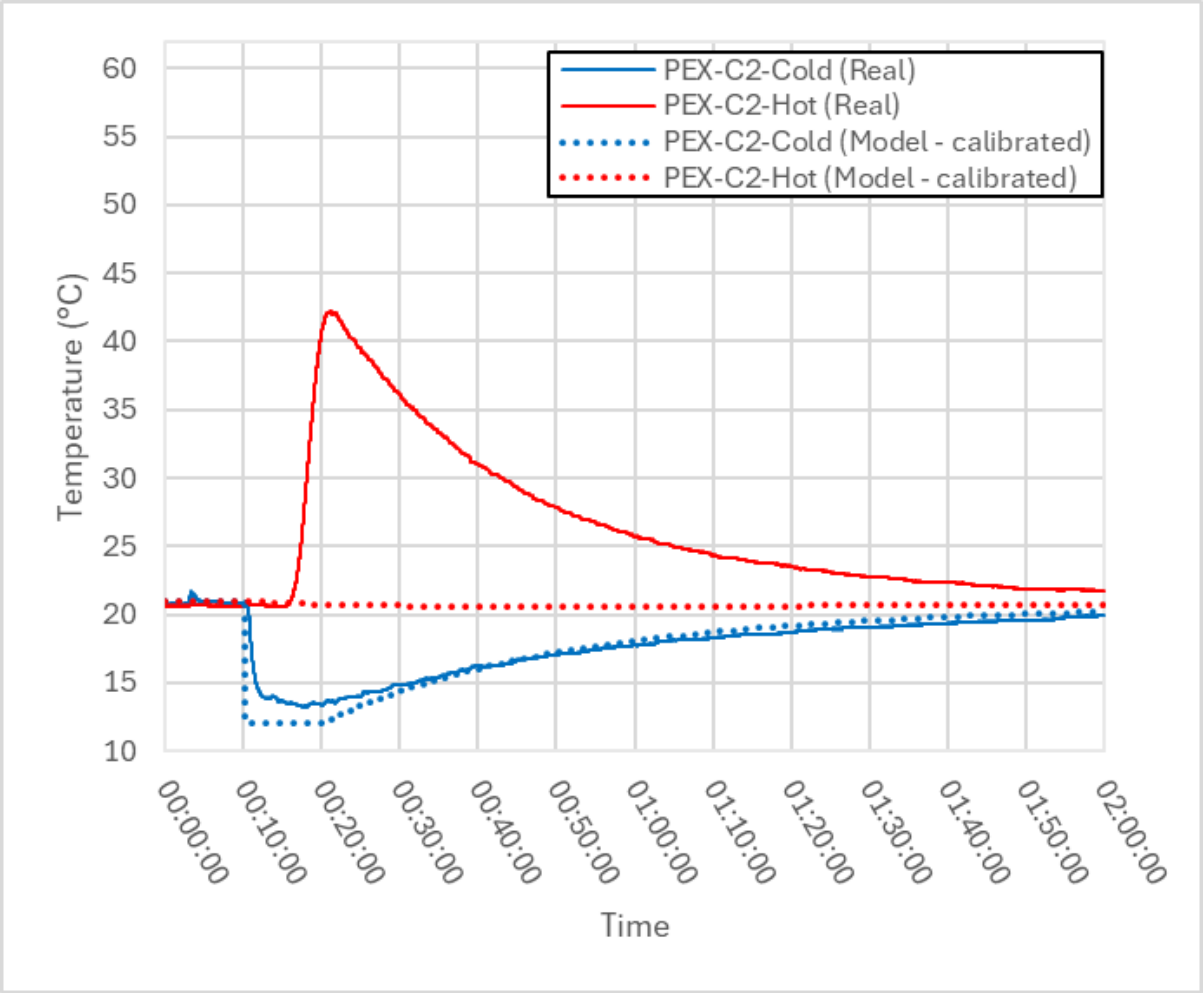

Figure S 9. Shower PEX-C2. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

Cu-A2

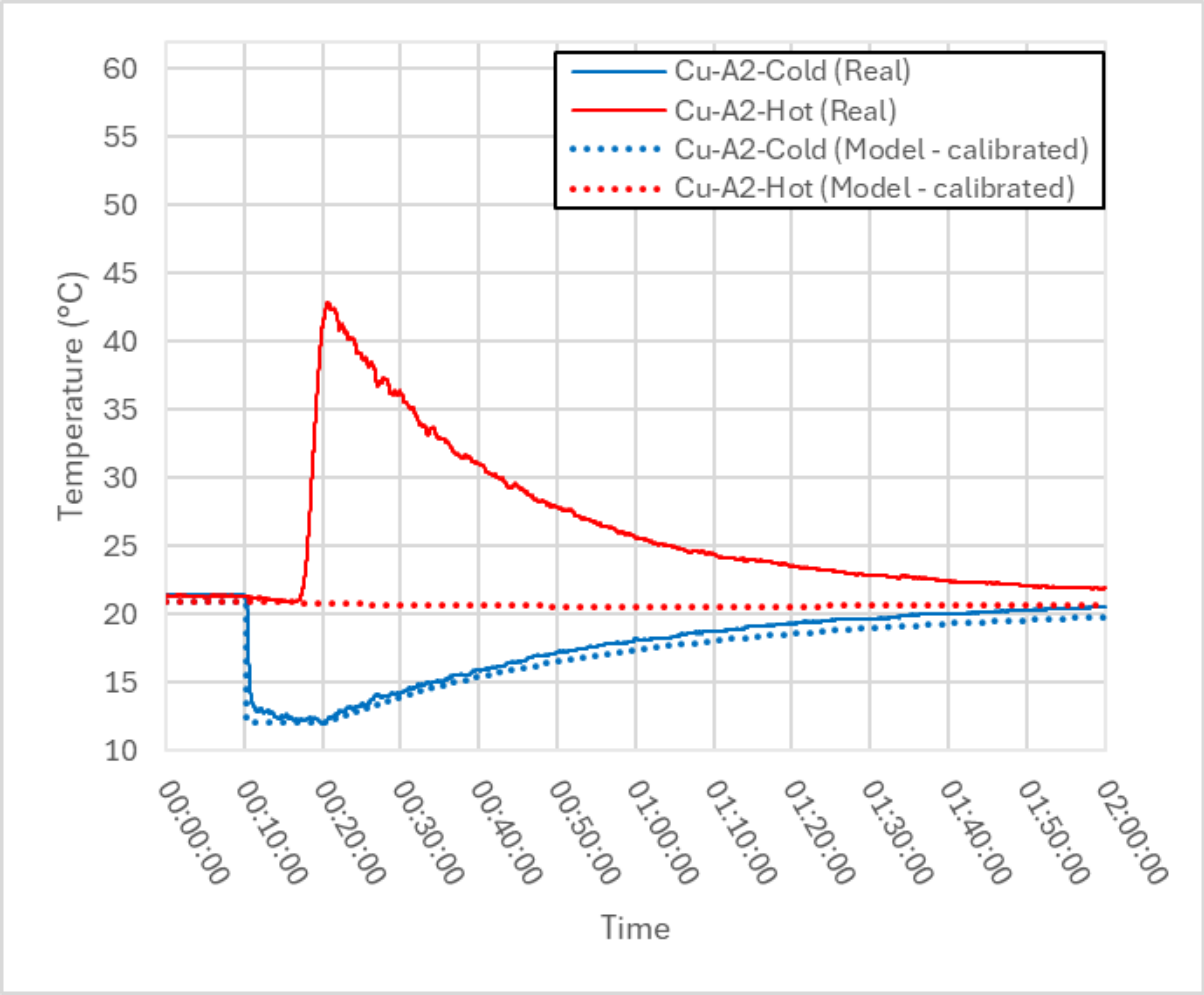

Figure S 10. Shower Cu-A2. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

Cu-B2

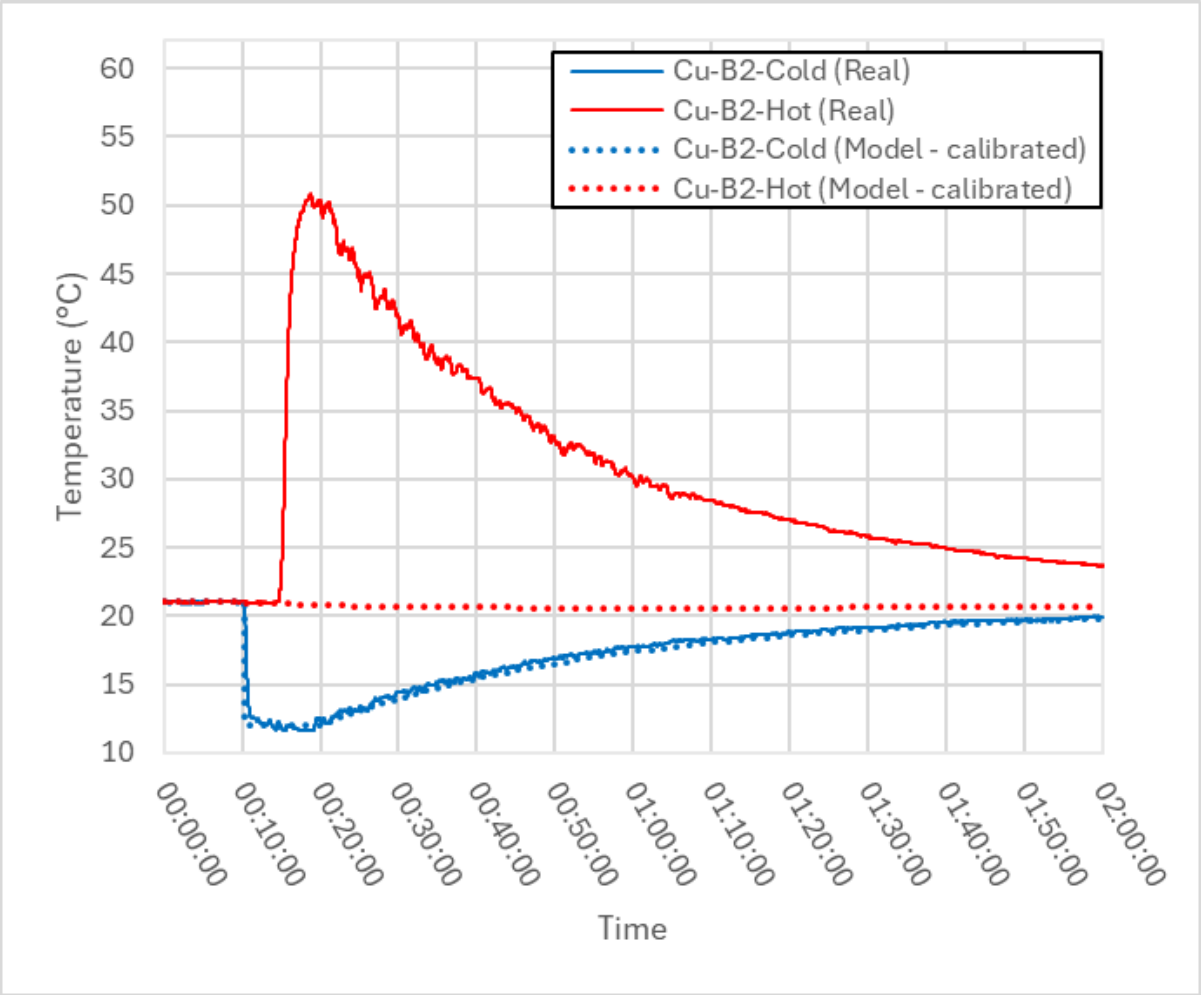

Figure S 11. Shower Cu-B2. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

Cu-C2

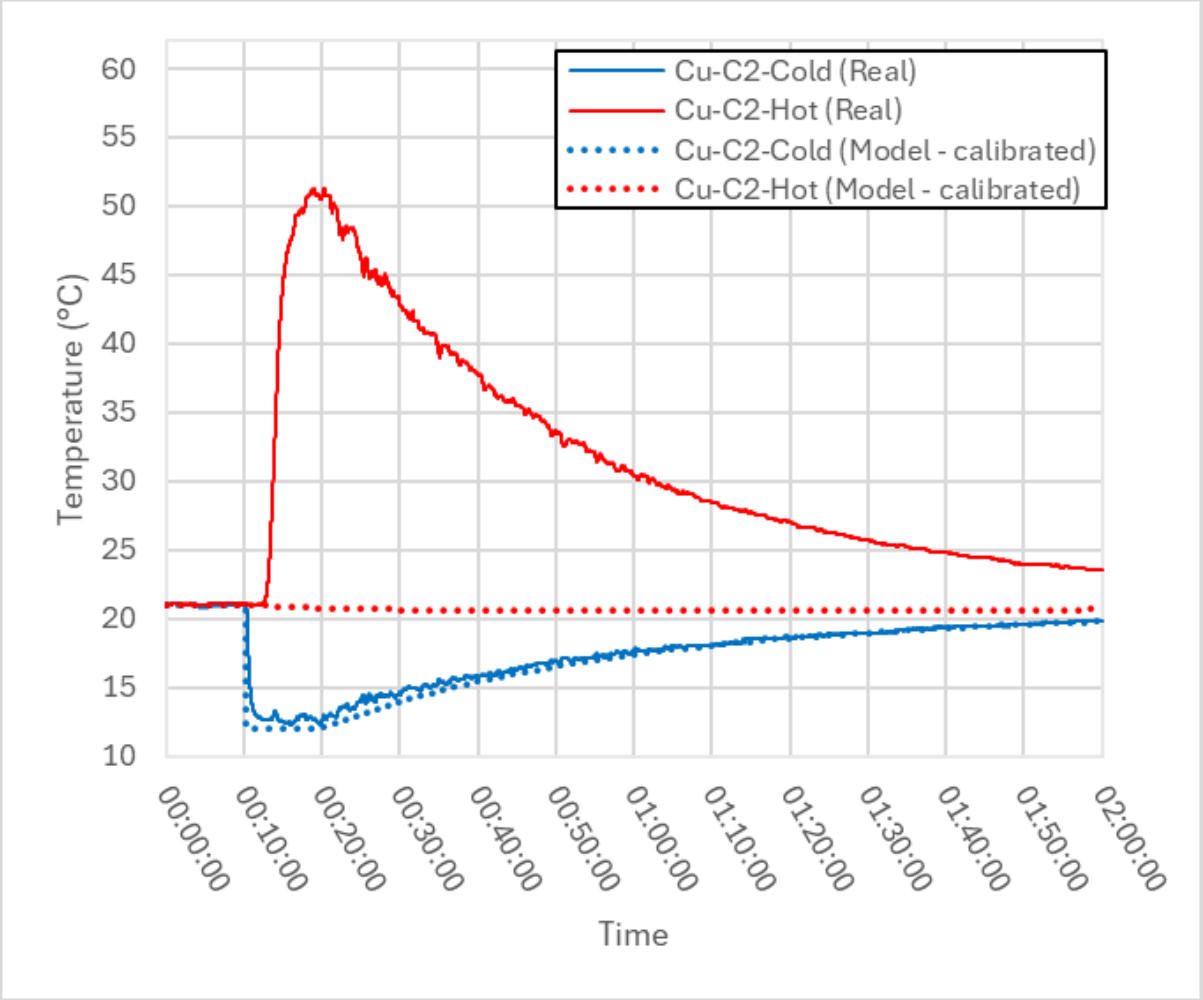

Figure S 12. Shower Cu-C2. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold)

TEST 3

PEX-A3

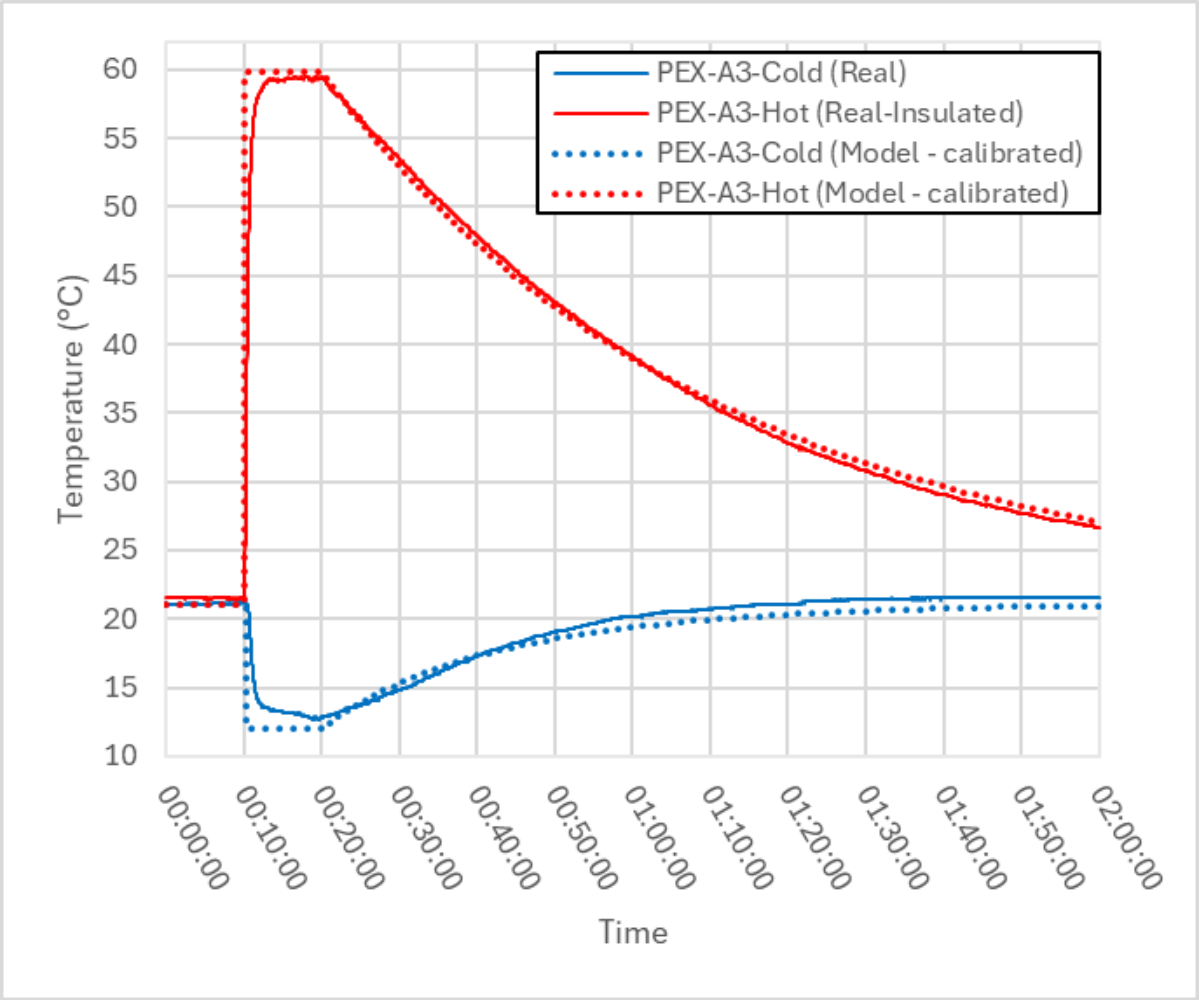

Figure S 13. Shower PEX-A3. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold). Hot shower pipe is insulated.

PEX-B3

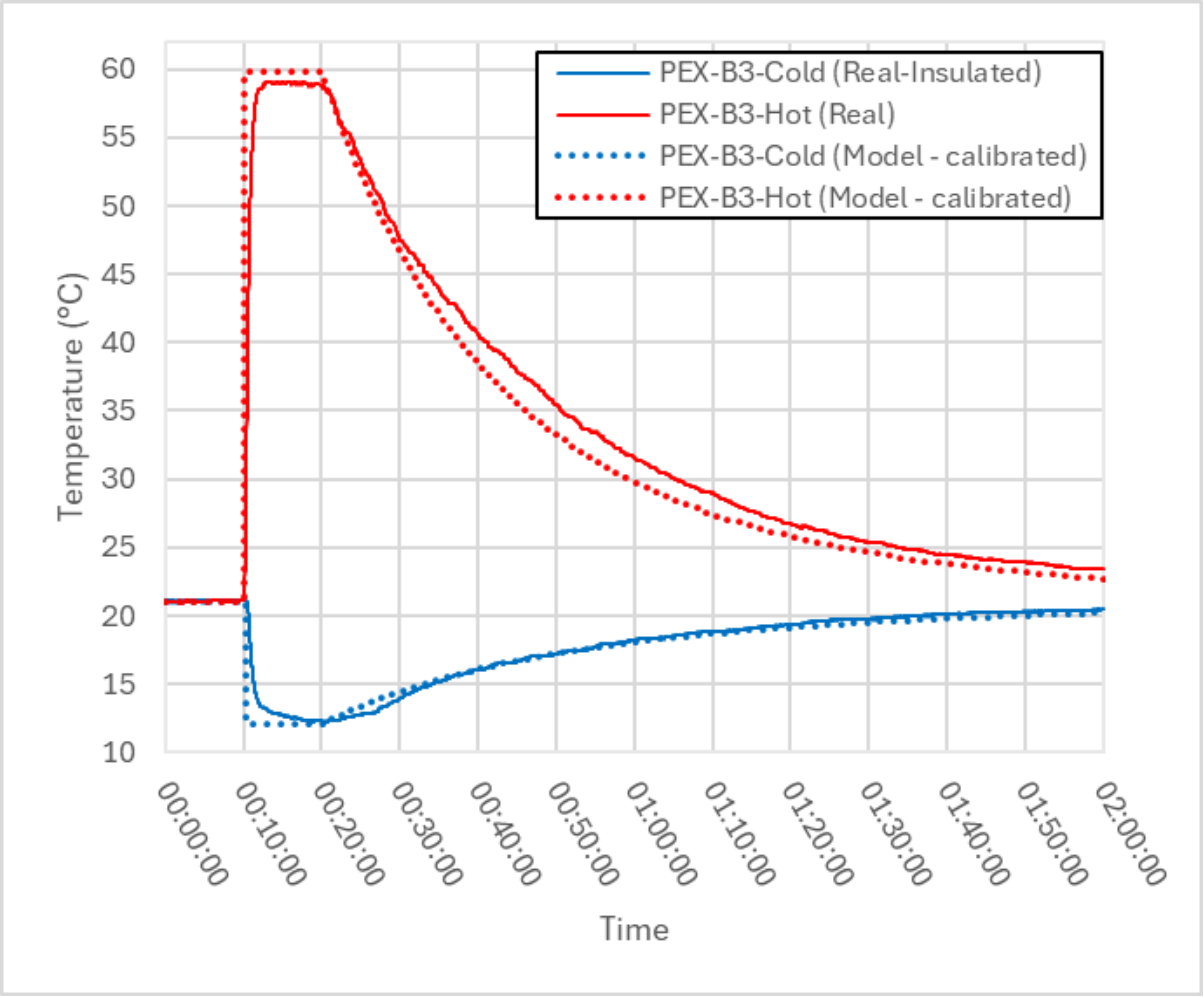

Figure S 14. Shower PEX-B3. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold). Cold shower pipe is insulated.

PEX-C3

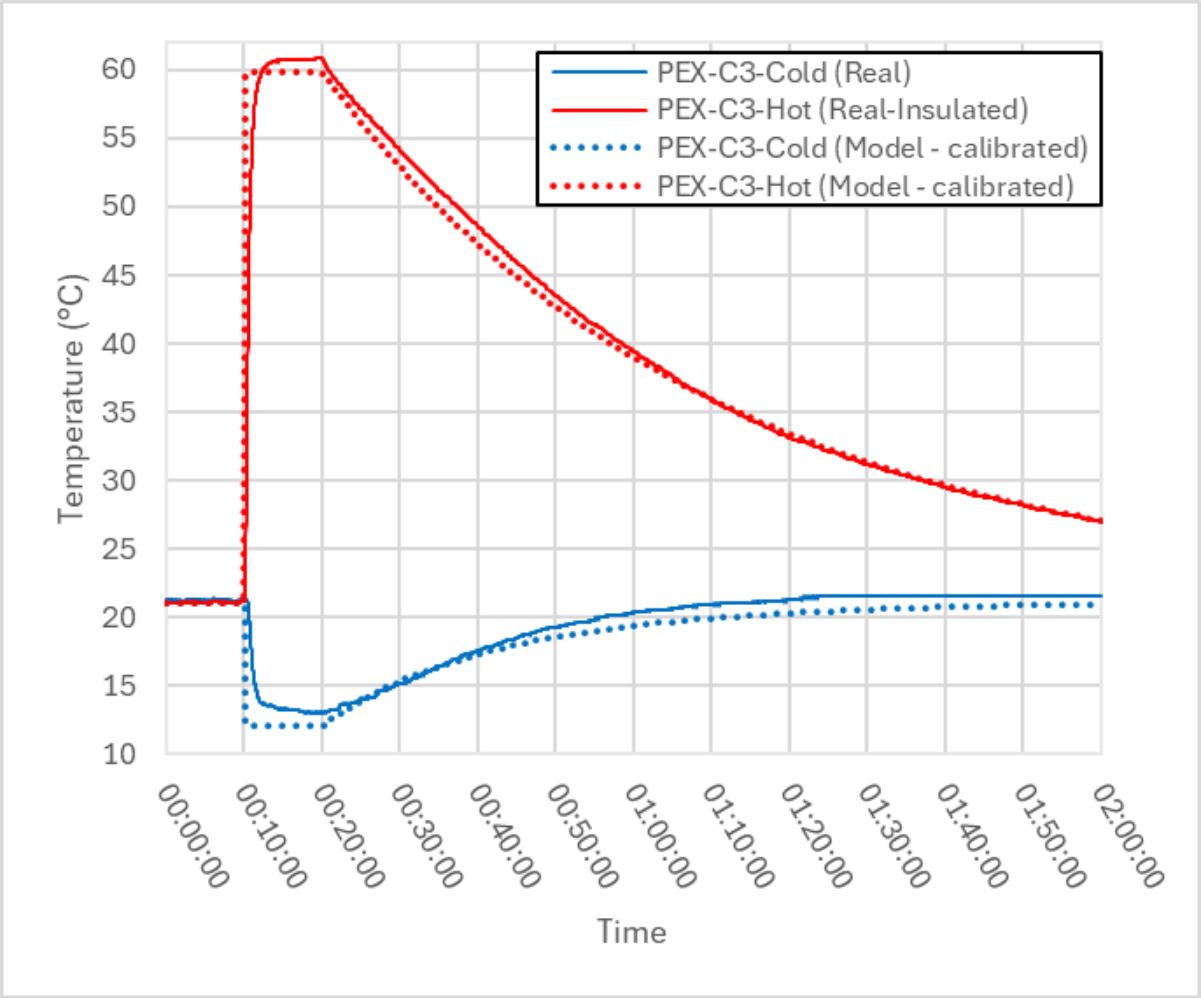

Figure S 15. Shower PEX-C3. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold). Hot shower pipe is insulated.

Cu-A3

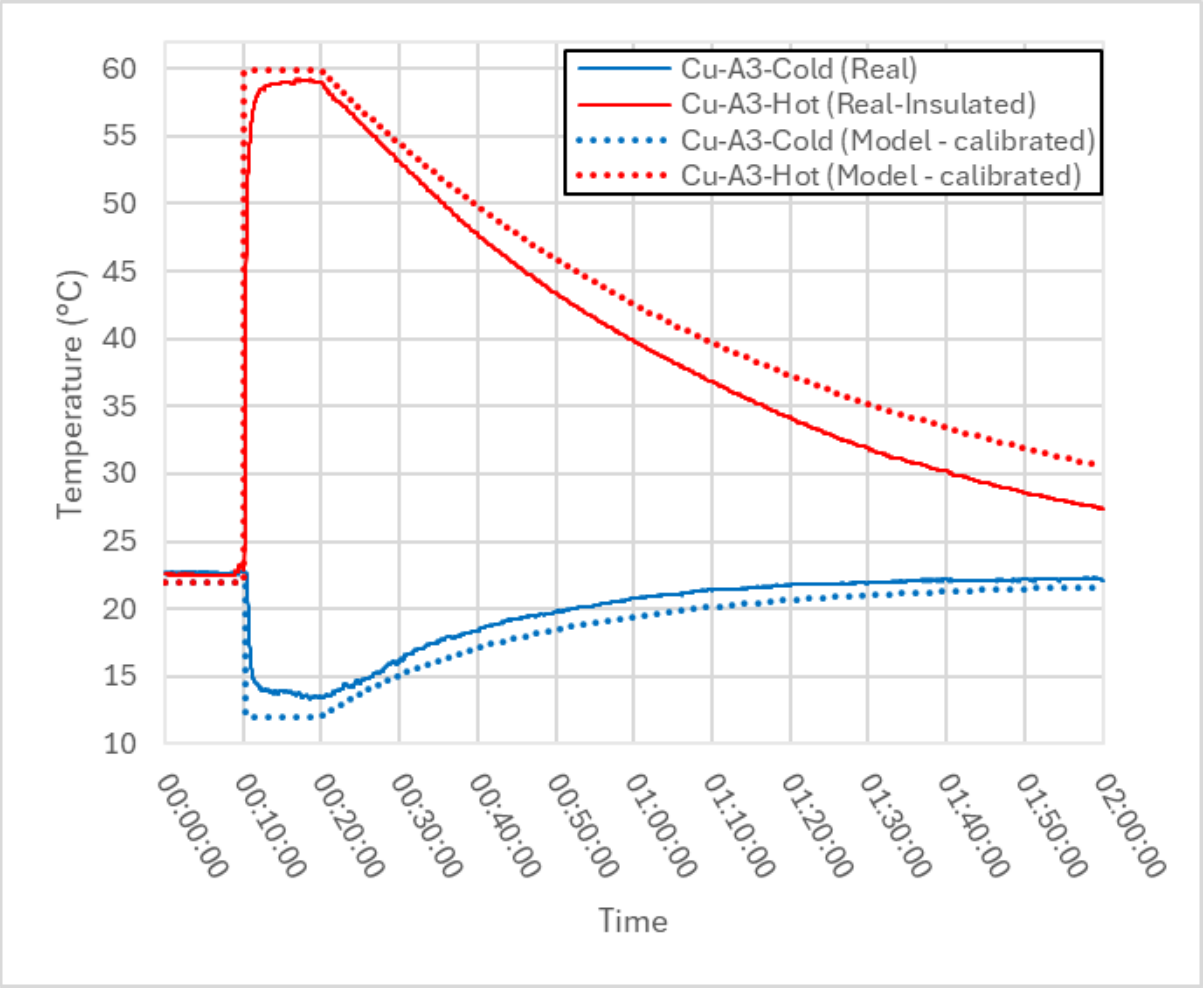

Figure S 16. Shower Cu-A3. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold). Hot shower pipe is insulated.

Cu-B3

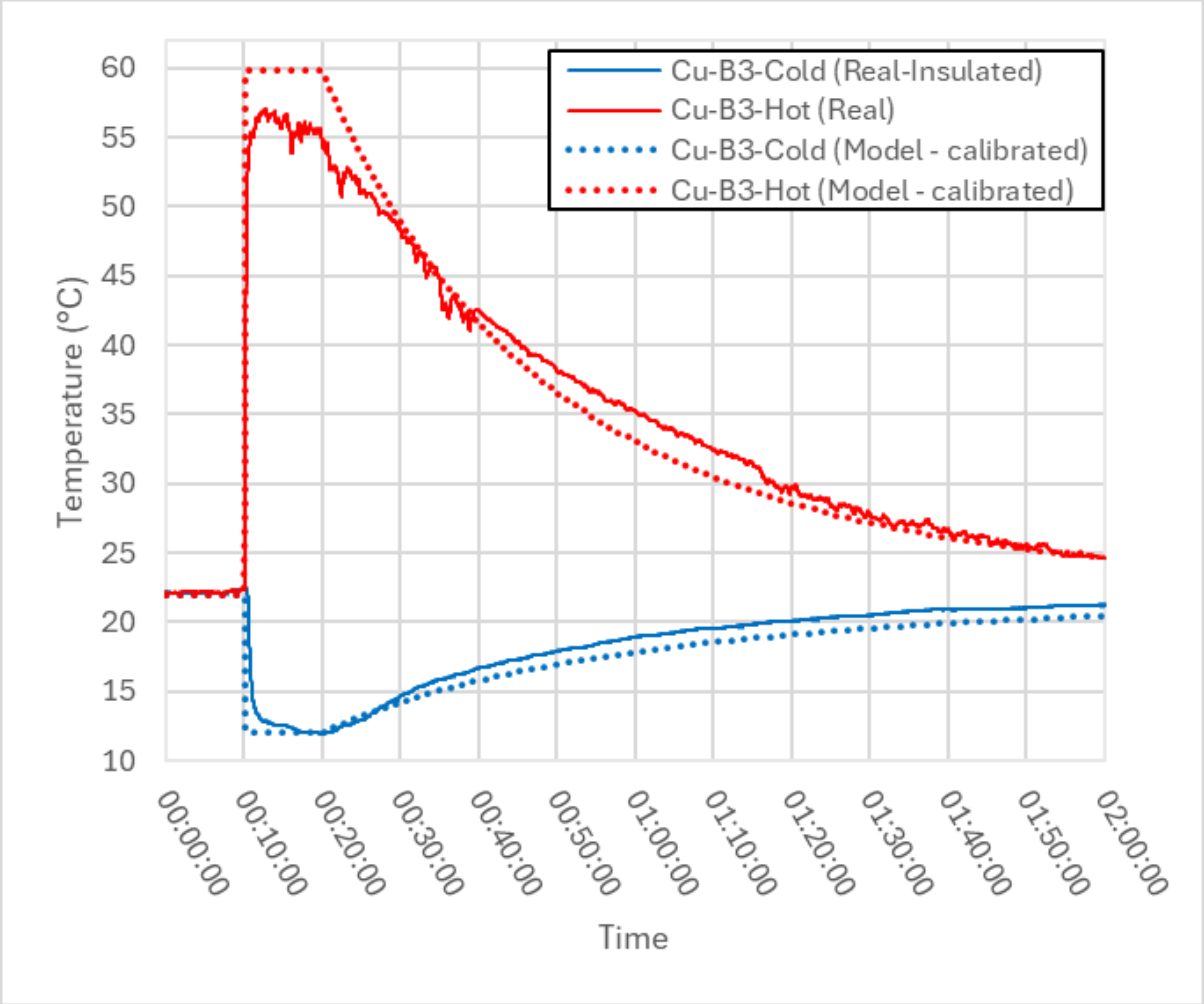

Figure S 17. Shower Cu-B3. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold). Cold shower pipe is insulated.

Cu-C3

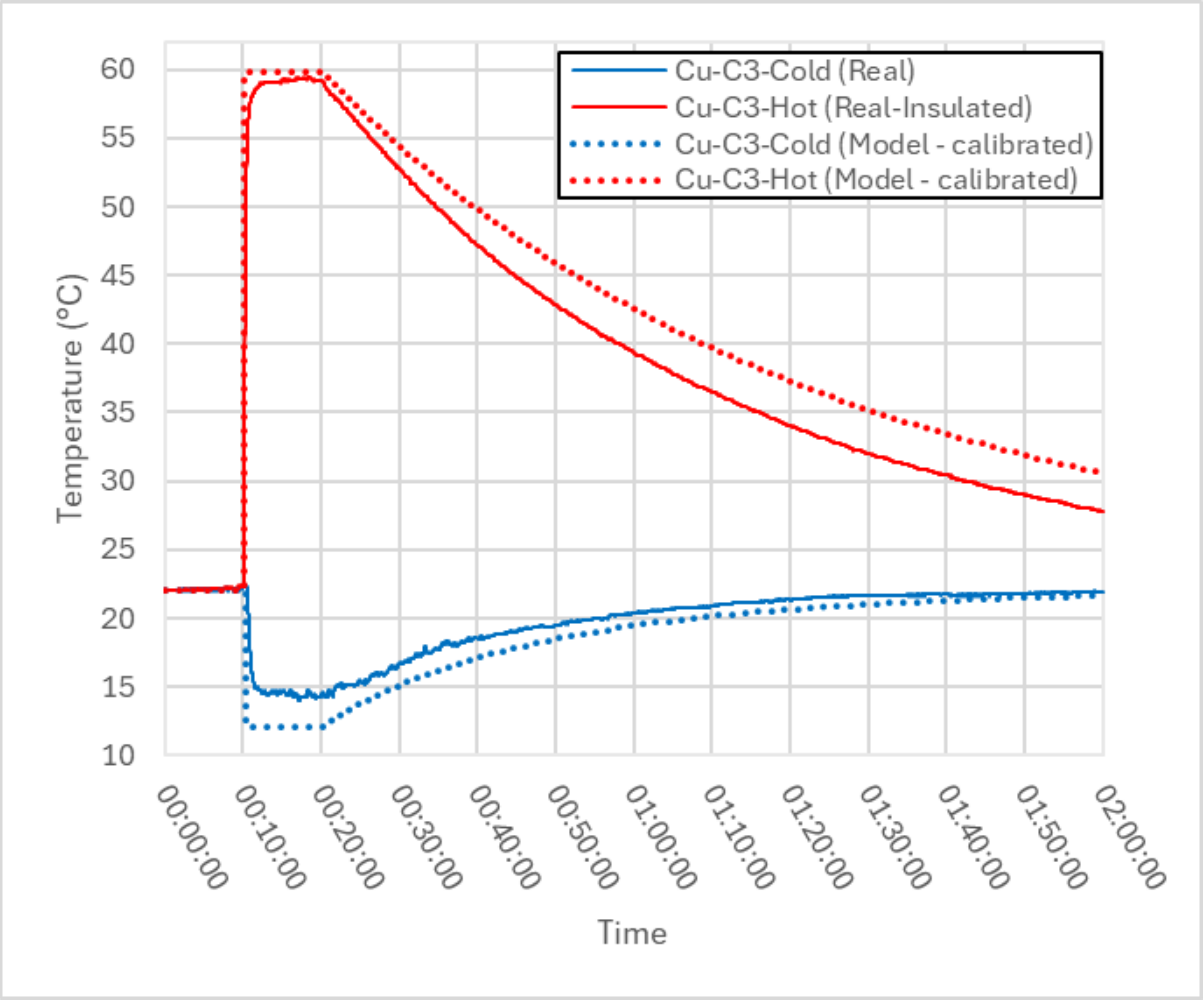

Figure S 18. Shower Cu-C3. Temperature vs Time measured, modelled with radial and axial conduction and convection (calibrated for pipe PEX-A1-Cold). Hot shower pipe is insulated.