

ISO 11855-6:2018/~~DAMP~~PRF Amd 1:2023(E)

ISO/TC 205/~~SC~~/WG 8

Date: 2023

Secretariat: ANSI

Date: 2023-07-10

**Building environment design — Design, dimensioning, installation and control of embedded radiant heating and cooling systems —
~~Part 6: Control~~**

Part 6:
Control

iTeh STANDARD PREVIEW
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ISO 11855-6:2018/Amd 1:2023

<https://standards.iteh.ai/catalog/standards/sist/0c6489fe-a90c-48b6-b438-ebe43e6bdd5b/iso-11855-6-2018-amd-1-2023>

AMENDMENT 1

Conception de l'environnement des bâtiments — Conception, construction et fonctionnement des systèmes de chauffage et de refroidissement par rayonnement — ~~Partie 6 : Contrôle~~

Partie 6: Contrôle

AMENDEMENT 1

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Published in Switzerland

Building environment design ~~— =~~ Design, dimensioning, installation and control of embedded radiant heating and cooling systems ~~— =~~

Part 6: Control

AMENDMENT 1

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4.5, first paragraph

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Modify to the following:

The heat capacity of surfaces with embedded pipes (e.g. as the floor screed), play a significant role for the thermodynamic properties of the heating system and hence for the control strategy. The temperature level of the heat carrier, the time response and the thermal capacity of systems depend on the thickness of the surface layer where the pipes are embedded. The highest capacity involves system types III and V with slow response to load changes on water side in concrete core followed by system types I and II, and the lowest capacity gain systems typed as IV. In most cases, the time constant of the building is several times higher than embedded systems.

Annex A

Control of radiant floor heating-cooling systems

Figure A.1

Replace with the following:

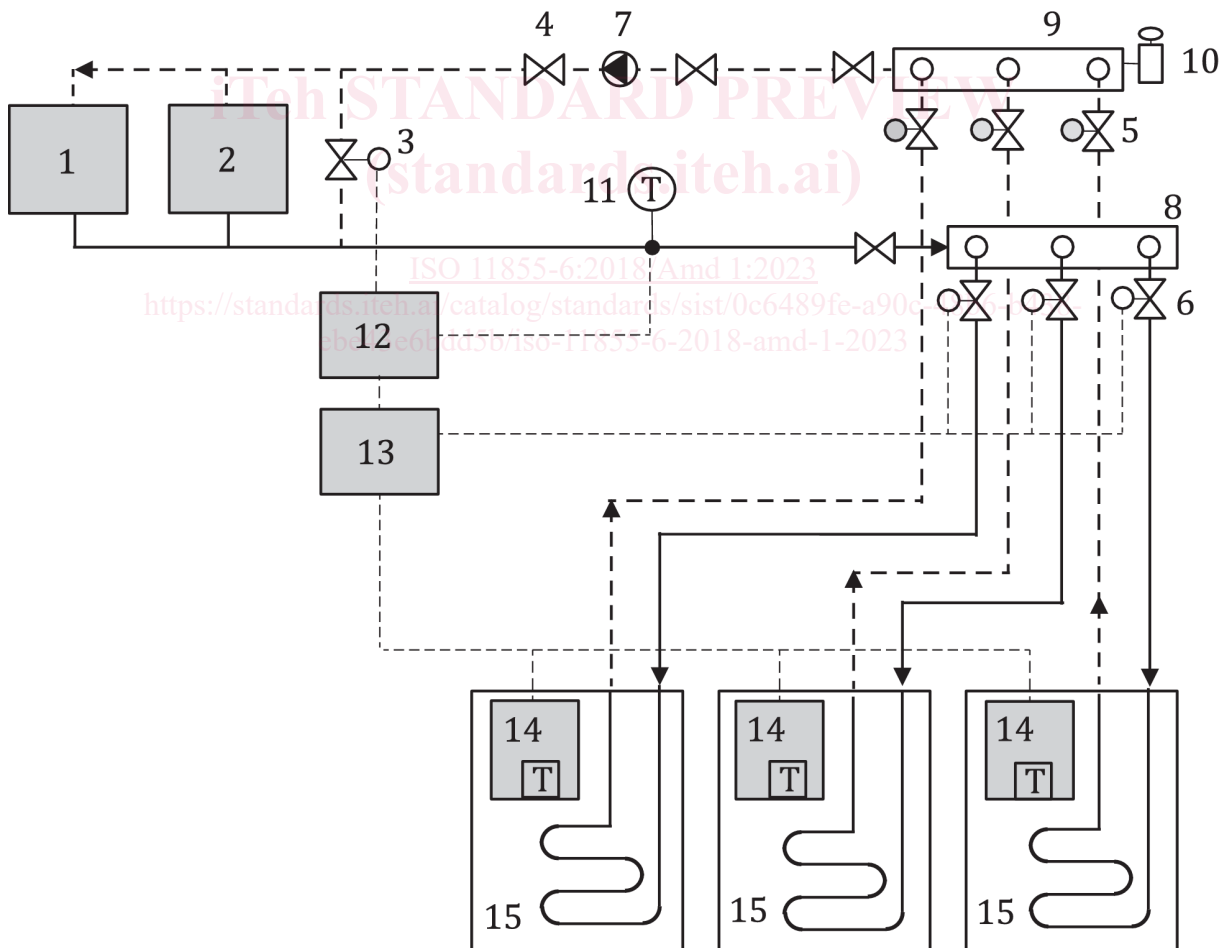
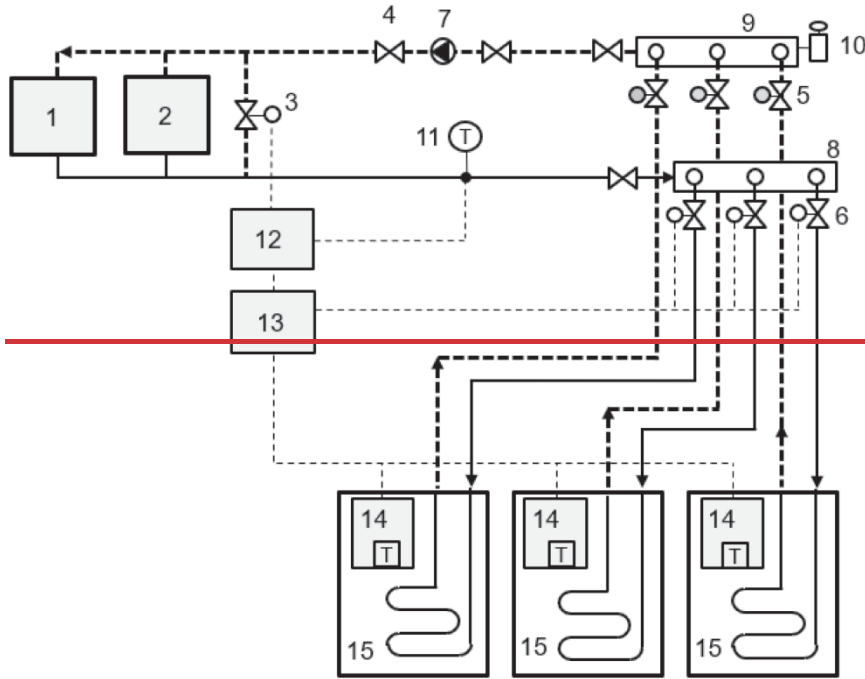
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Key

- 1 heating generation
- 2 cooling generation
- 3 bypass valve
- 4 valve for maintenance
- 5 balancing valve