

Indoor Climate Solution™

Underfloor Cooling System for High Performance Buildings

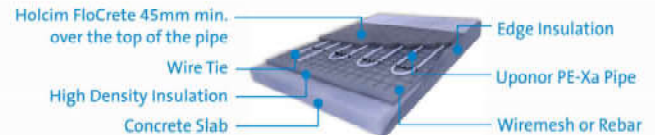


Integration to Building's Elements

- | | | | |
|----|------------------|----|-------------|
| A. | Service Shaft | D. | Chillers |
| B. | Fresh Air Inlet | E. | Water Pumps |
| C. | Used Air Outlets | | |

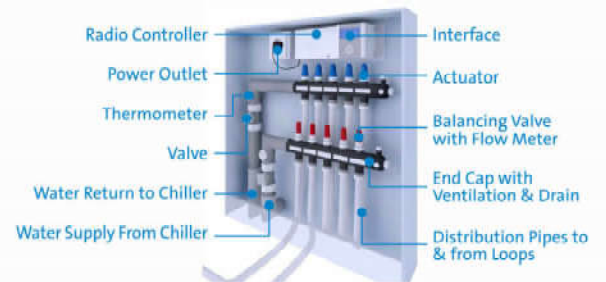
1. Underfloor Cooling

Underfloor cooling system using Uponor PE-Xa pipes embedded in Holcim FloCrete floor structure. This system can provide cooling output of 35-45 W/m² with approximate surface temperature of 20°C.



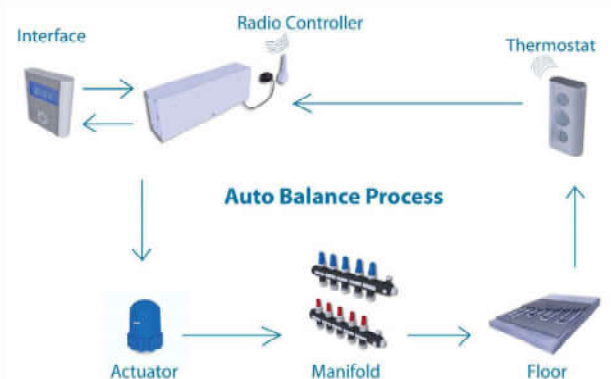
2. Manifold

Uponor manifold is a central station that is used to control water distribution and temperature for underfloor cooling system.



3. Smart Control

The individual room temperature control offers a selection of components which can be combined to suit the widest range of requirement.



Underfloor cooling is a comfortable, quiet, energy-efficient alternative to traditional cooling system for commercial and public buildings.