PIPELIFE
always part of your life

OPTIMIZED HEATING AND COOLING FOR YOUR SPORTS HALL

Create a consistently comfortable environment for both spectators and players with Pipelife Hydronic Radiant Heating Systems, whilst providing a cleaner and safer sports facility.

By opting for our one-stopshop solutions and decades of expertise, you benefit from a complete and long-lasting set-up. Wherever you are based, our expert teams are on hand to provide professional guidance throughout your projects, from inception and design, to installation and after care support. Explore how you can safeguard the wellbeing of players and spectators with efficient and economical heating and cooling solutions.

6 REASONS WHY PIPELIFE HYDRONIC RADIANT SYSTEMS ARE IDEAL FOR YOUR SPORTS HALL:

1. SAVE ON OPERATING COSTS AND ENERGY

Regardless of building size or height, hydronic underfloor heat is radiated and evenly distributed throughout your whole space, making it feel comparably warmer. This means your thermostat can be kept 2-3 degrees lower, resulting in better efficiency and low running costs.

2. USE AND REPURPOSE SPACE TO THE MAX

With no obstructive system components such as external heaters, radiators and air conditioning units, you have total freedom to design and plan the entire sports hall as needed. You can also repurpose the space and position equipment as required.

Pipelife underfloor heating installation for Dolní Břežany sports hall, Czechia.*

Pipelife underfloor heating installation for Dolní Břežany sports hall, Czechia.*

4. HEALTHIER AND SAFER ENVIRONMENT

With the absence of air flows, less dust and pollutants circulate, while cold and hot spots are eliminated. This further safeguards the health of players and spectators, in addition to keeping interiors comparably cleaner, safer and dryer.

3. OPT FOR ECO ENERGY SYSTEMS

Hydronic underfloor heating can further reduce your running costs when combined with sustainable energy sources, such as solar collection systems, geothermal heat pumps and condensing boilers.

5. COOL SPORTS FACILITY WITH THE SAME SYSTEM

When combined with sustainable energy sources such as solar collection systems, geothermal heat pumps and condensing boilers, a hydronic underfloor heating system can help reduce running costs and environmental implications.

6. RELY ON OUR TRUSTED SERVICES AND SUPPORT

Communities around the world rely on our service, quality and solutions. Wherever you are based, our teams are on hand to provide local expertise throughout your projects, from inception and design, to installation and after care support.

EXPECT A GOOD RETURN ON YOUR INVESTMENT

Regardless of the size or height, heat or cool your entire sports hall with relatively low operating temperatures, which will reduce your operating costs with immediate effect. You also have added peace of mind with a long service life and minimal to no maintenance. Meaning once your system is installed, you can pretty much forget about it.

WHERE IS HYDRONIC UNDERFLOOR HEATING AN IDEAL SOLUTION?

Commercial indoor sports applications (pre or post construction) such as:

- sports pavilions,
- stadiums,
- gymnasiums,
- boxing arenas etc.

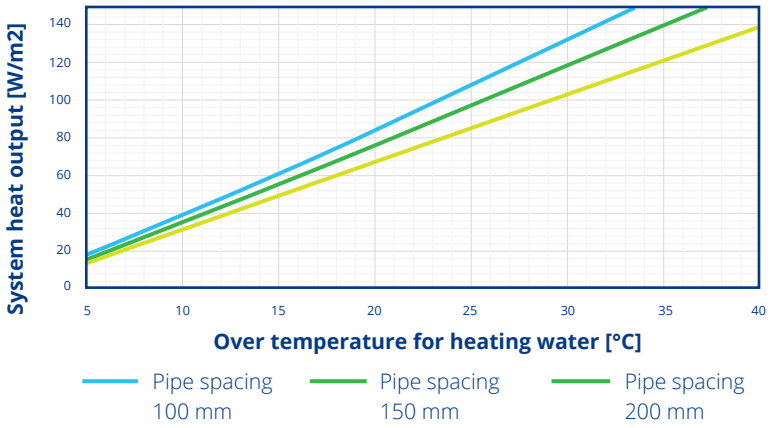
Compatible with all common sports floor types and coverings:

Floor types such as surface elastic, point and mixed-elastic, and coverings such as maple hardwood, pad and pour polyurethane, recycled rubber with EPDM, sports linoleum and sports vinyl flooring.

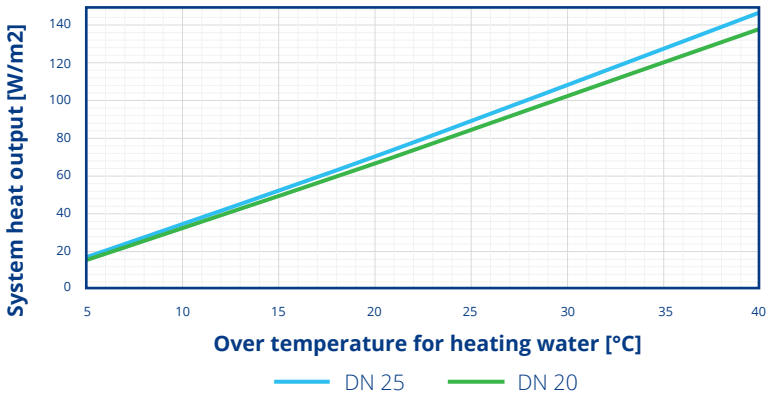
Pipelife underfloor heating installation for Zabok Sports Hall, Croatia.

Compare how pipe spacing, pipe diameter and floor covering variations affect the supply/return temperature of the heating fluid, and as a result, the efficiency of the hydronic radiant system.

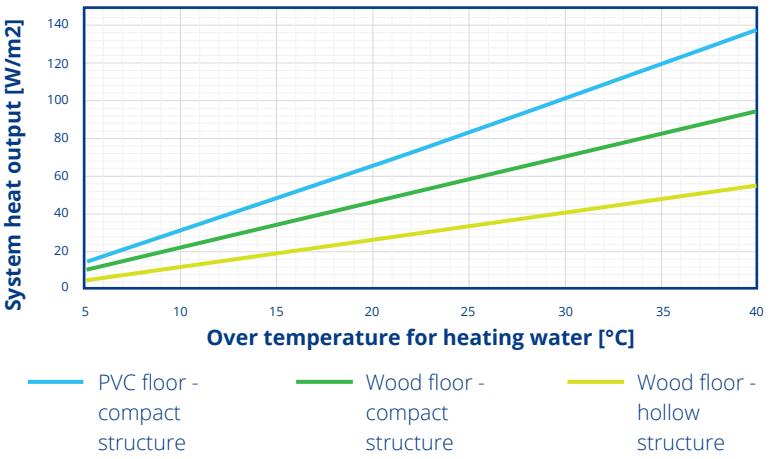
IMPACT OF PIPE SPACING VARIATIONS [PVC COMPACT STRUCTURE - DN20]



IMPACT OF PIPE DIAMETER VARIATIONS [PVC COMPACT STRUCTURE - PIPE spacing 200 MM]



IMPACT OF FLOOR COVERING VARIATIONS [DN 20 - PIPE spacing 200 MM]



PRODUCT OVERVIEW

PERT-EVOH-PERT HEATING AND COOLING PIPE COILS

FT-R16L200	**16x2.0 mm**	**200 m**
FT-R16L500	**16x2.0 mm**	**500 m**

2nd generation (PERT II) with integrated diffusion barrier made from EVOH. Produced in accordance with EN ISO 21003. Application class 4, design temperature 60 °C, design pressure 8 bar.

ROUND STAINLESS STEEL MANIFOLDS

FTV6A	**1”**	**2 circuits**
FTV7A	**1”**	**3 circuits**
FTV8A	**1”**	**4 circuits**
FTV9A	**1”**	**5 circuits**
FTV6A	**1”**	**6 circuits**
FTV7A	**1”**	**7 circuits**
FTV8A	**1”**	**8 circuits**
FTV9A	**1”**	**9 circuits**
FTV10A	**1”**	**10 circuits**
FTV11A	**1”**	**11 circuits**
FTV12A	**1”**	**12 circuits**

Produced in accordance with DIN EN 1264-4.1” male flat sealing connection on both sides for manifold accessories and control pump station. Shut-off flow meters with very low pressure loss. Flow display 0-4 l/min or 0-6 l/min. Control and shut-off valves with M30 x 1.5 adaption. Connection nipple G ¾” Euro cone. Center distance between the outlets: 50 mm. Supply pipe on top, ready mounted on wall bracket, pipe clamps soundproofed according to DIN 4109.

EURO CONE ADAPTER

FT-KVA16/3/4

Euro cone adapter for connecting the pipe to the manifold.
Made of brass, and nickel plated.
Connection nipple G ¾” (DN16)

ACCESSORIES

MOUNTING ELEMENTS

TBE 20-16

Drywall construction element measuring 20 mm in height. Heat is distributed through omega-shaped heat conducting sheets made of aluminium or galvanised sheet metal. This ensures 16 mm diameter tubes can be laid without any difficulty and without popping out of the heat conducting sheets. Meandering or double meandering tube layouts are possible. Plates are foam-moulded to EPS 200 DEO quality and according to DIN EN 13163. High gross density enables high traffic loads of 5 kn/m².

WLB 16

Moulded heat conducting sheet made of galvanised steel or aluminium. Dimensions: 120 x 750 mm with sheet thickness of 0.4 - 0.43 mm. Pre-cut breaking points every 125 mm to ensure an even distribution of loads and heat.

MANIFOLDS BEND SUPPORT

FT-IV18 bend support 16 - 18 mm

Easy, reliable, and space saving turns, for protection and support of pipe between the manifold and where it enters the floor. Compatible with either vertical or horizontal pipe position. Made of impact resistant glass fibre reinforced nylon.

Pipelife International GmbH, Wienerbergerplatz 1, 1100 Wien
T +43 1 602 2030 0, **E** info@pipelife.com, **pipelife.com**

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