

PIPELIFE INDUSTRIAL LIFE - INDUSTRIAL UNDERFLOOR HEATING

WHY PIPELIFE UNDERFLOOR HEATING



THINK.



ACT.



SAVE.

WE ALL HAVE THE POWER!

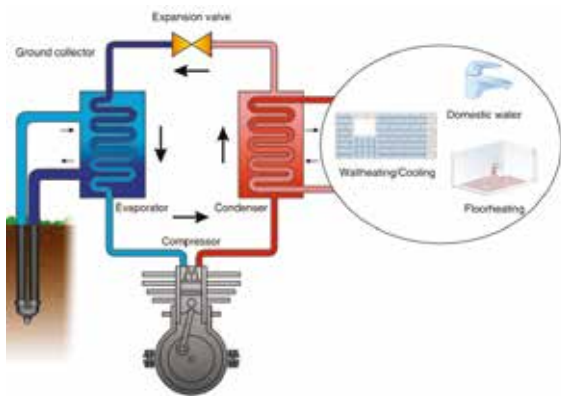
ENERGY SAVINGS

Radiant heat transfer consists of the transfer of energy through the electromagnetic waves that are emitted by any material object because of its temperature. Unlike the other modality of energy transport, i.e., convection and diffusion, radiation does not need a medium, such as air or a metal, to propagate and, in fact, it can move

across the void, as it happens with the solar energy reaching the earth surface. Comfort levels can be achieved with lesser air temperature thus requiring smaller heat output. With this being said specific heat sources can be applied (such as low temperature boilers or condensing boilers).

ELEVATED COMFORT

Due to a fact that radiation isn't influenced by obstacles temperature can be distributed uniformly without bothersome currents of air and dust. Especially important in production halls where conventional systems can provide overheating on particular spots and not enough heating on most of the area.



ALTERNATIVE ENERGY SOURCES

With low water supply temperature required there are possibilities to employ adequate energy sources. Work

processes, solar energy, heat pumps and condensing boilers can be an option for heating capacity.

REDUCED AIR CURRENTS AND MOVEMENT OF DUST

Absence of convective heat transfer means absence of air flows, improving sanitary

conditions for occupants and enabling cleaning operations to be fast and efficient



OPTIMIZING SPACE

Whole system is integrated into floor, which minimize needed volume for solution. Surface area free from equipment requiring space.



FULL AND FREE ENGINEERING SUPPORT

Pipelife offers full and free project engineering. In order to provide you with a project plan, we need the following data:

- CAD drawings- all floors (if it is more than one);
- Type of installation needed- heating, cooling or both;
- Heat losses/heat sources- we can calculate it only if there is a full structure available;
- Manifold positioning- according your needs;
- Heating/cooling resources positioning.



FIREPROOF

As there are no open installations, no potential fire hazards involved. Furthermore there is a full absence of flammable components or machinery and equipment working at high temperatures



ZERO MAINTENANCE COSTS

Industrial underfloor heating systems require no maintenance. Once installed system operates in perfect condition for a long periods.



MULTIPURPOSE OBJECTS

Once installed system enables easy shifts of object purpose. Once used as production hall, area can be utilized as standard warehouse, or warehouse for storing temperature wise challenging products.



APPLICATIONS

Pipelife industrial underfloor heating systems can be for factories, shops, DIY-markets, aircraft hangars, high speed train depots, warehouses, spare part depots, logistic centers, gas stations, car wash, call centers, distribution centers.

PRODUCT OVERVIEW



UNDERFLOOR HEATING PIPE

•	FT-R20L200	20X2 MM	PERT-EVOH-PERT	ROLLER	200 M
•	FT-R20L500	20X2 MM	PERT-EVOH-PERT	ROLLER	500 M
•	FT-R25L200	20X2,3 MM	PERT-EVOH-PERT	ROLLER	200 M
•	FT-R25L200	25x2,3 MM	PERT-EVOH-PERT	ROLLER	500 M

5 layer pert-evoh-pert pipe for underflooring heating, ACC.TO: EN ISO 22391-2, pipe application, class 4, 20-60 C design temperature, 6 bar design pressure.



MANIFOLDS

•	FTV6A 1¼	6 CIRCUITS
•	FTV7A 1¼	7 CIRCUITS
•	FTV8A 1¼	8 CIRCUITS
•	FTV9A 1¼	9 CIRCUITS
•	FTV10A 1¼	10 CIRCUITS
•	FTV11A 1¼	11 CIRCUITS
•	FTV12A 1¼	12 CIRCUITS

Distributor in accordance with DIN EN 1264-4. Double-sided flat-sealing 1¼ AG connection for distribution accessories and fixed value control set. Lockable flow meters with very low pressure loss. Flow indicator 0-4 l/min. Control and shut-o valves with adaptation m30x1.5. Closing dimension 11.8 mm. Connection nipple g ¾ euroconus. Axis distance of the outlets 50 mm. Forward run up, fully mounted on wall bracket, pipe clamps sound-insulated according to DIN 4109.



MANIFOLDS

•	FTV2A 2"	2 CIRCUITS
•	FTV3A 2"	3 CIRCUITS
•	FTV4A 2"	4 CIRCUITS
•	FTV5A 2"	5 CIRCUITS
•	FTV6A 2"	6 CIRCUITS

Brass round pipe distributor. Modular design with on the one hand flat-sealing external thread 2" and on the other hand overlay nut 2" supply: shut-o ball valve. RETURN: control valve with preset. Connection g3-4" male thread eurocone.



EUROCONE CONNECTOR

•	FT-KVA20/3/4
•	FT-KVA25/1

Connects pipe to manifold with only use a wrench. No power tool needed.



ACCESSORIES

•	WH-FR20/2M	MOUNTING RAIL FOR 20X2 MM INDUSTRIAL FLOOR HEATING PIPE
•	WH-FR25/1M	MOUNTING RAIL FOR 25X2 MM INDUSTRIAL FLOOR HEATING PIPE

MOUNTING RAIL

For laying pipes on floor insulation with mounting rails. For fixing, apply PT-nadel anchoring pins on each 0,5m



•	FT-IV20	BEND SUPPORT 20-22 MM
•	FT-IV25	BEND SUPPORT 25 MM

BEND SUPPORT

Allows an easy and space saving bend construction; FOR PIPE Ø 20, 25mm MATERIAL: GLASS FIBER REINFORCED NYLON.