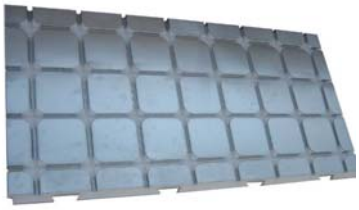
SYSTEM N° 15
ALU SICCA 17
ELEMENTS DESCRIPTION



ALU SICCA CORPUS 28

panel for dry system; solution suitable for renovation, in fact, only 28 mm (38 with parquet prefinished boards) you can have a floor heating with excellent insulator and an excellent performance to DIN EN 1264 and 'a polystyrene panel already coupled to a heat-reflecting aluminum plate in which they reside lanes "cross" for the tubes to step 15 in the grooves will rest the tube that will transmit the heat through the aluminum to the steel plates which have the double function of heating screed and load distribution .
Format 1200 x 600 (0.72 m). Suitable for pipe 17x2; mm pitch. 150; mm heights. 28 (11 under the pipe)

ALU SICCA CAPUT 28

head to be matched to the body of the panel that allows the curvature of the pipes, by resting in the peripheral edges is a polystyrene panel already coupled to a heat-reflecting film aluminized.
Format 600 x 300 (0.18 square meters) Suitable for tube 17x2; mm pitch. 150/75; mm heights. 28 (11 under the pipe)

BDM 24

polyethylene sheet resting above the panel in order to create a barrier to the noise that could be generated by direct contact between the lamellae of the heat conducting LTC and foil sheet heating of the series-FLB FLN thickness of 150 microns. Pack 400 sq.m.

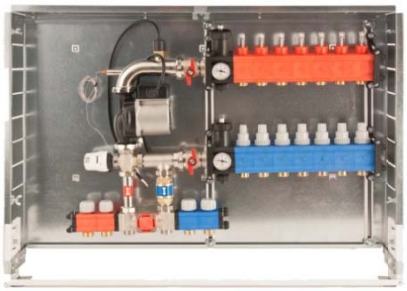
FLN

heating load distribution plate, galvanized rounded 1mm. function of substrate heating and load distribution.
FLT 50 rests directly on top of the tube (housed in the heat conducting strip series LT), in such a way as to form a flat layer, after it proceeds by removing the film FLT 50B which will go to attach to FLT 50 creating a single body extremely resistant to mechanical stress (to be applied on top and offset). Then you can apply any coating, ceramic flooring etc..
The plate has rounded corners to prevent accidental breakage of the pipe during laying
On average, predict a 60% measuring 50x50 and 25x50 40%. Height mm. 0.8

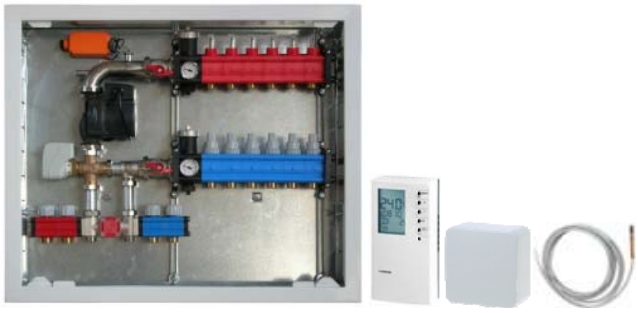
CPA 15/6
perimeter band of flexible polyethylene foam, ensures the termal expansion of the screed. Adhesive strip on the whole rear side to more easy installation, with a strip of PE welded to avoid acoustic bridges due to infiltration down the slab. Height mm. 150 thickness mm. 6

PE-Xa 17x2
crosslinked polyethylene pipe with peroxide method, equipped with oxygen barrier evoH. Raw material is high density polyethylene (HDPE) 951 kg/m^3 , this pipe has a a lower degree of crystallization which makes the same more flexible than that of the competitors. The pipe is crosslinked immediatley after the exit from the extrusion head by heating with an infrared radiation at high power and short wavelenght with a degree >75%.
Certifications: IIP; CSTB; SKZ; IQNET; AENOR
DIN EN 12318-2 (former DIN 16892) compliant in accordance to ASTM F876 / F877.

PE-RT 17x2
polyethylene pipe with oxygen barrier evoH, this particular type of extrusion allowa the high malleability of the pipe also in winter. Raw material is polyethylene with high thermal resistance with evoH oxygen barrier. According to DIN EN ISO 22391. IIP n° 261 / 2011 – Rev. 0 certifies that the product described complies with requirements indicated and IIP specified in the general regulations and special rules applicabile and evaluated against the requirements document Sincert RT06



DUOFIX
control unit only warm at fixed point to be recessed in the wall for distribution both high and low temperatures; composed of that elements:
steel cabinet; polyammide manifold (reinforced with glass fiber) for low temperature, polyammide manifold (reinforced with glass fiber) for high temperature (2 ways for radiators) thermostat secuity TCS 47; three ways valve BUL 57 with thermostatic control TCB 34; double by pass valve; n, 2 thermometer TB 12; n. 2 automatic airvent; n. 2 filling valve+

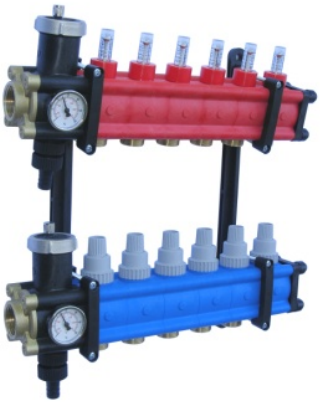


DUOKLIM OW
climate control unit to be recessed in the wall for distribution both high and low temperatures; composed of that elements:
steel cabinet; polyammide manifold (reinforced with glass fiber) for low temperature, polyammide manifold (reinforced with glass fiber) for high temperature (2 ways for radiators) thermostat secuity TCS 47; three ways valve BUL 57 with motorized actuator AXM 117 (230 V) TCB 34; double by pass valve; n, 2 thermometer TB 12; n. 2 automatic airvent; n. 2 filling valve; ; a 3 speed Pump Grundfos UPS 25/55 Low Energy;
Package inculding only warm separately delivered

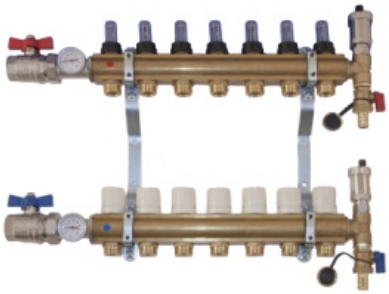
NRT 114 control unit	(to be wall installed ; don't need thermostat because that has this function)
EGT 301 external probe	(to be installed in the outside wall of the house, possibly at north)
EGT 354 flow sensor	(to be installed inside cabinet of DUOKLIM OW)

CIM
steel sheet cabinet for manifold with mobile guides . Adjustable in depth from 110 to 150 mm. Lock with screwdriver. Suitable for the containment of manifolds in the range. Available in widths of 40, 50, 60, 70, 85, 100, 120, 130

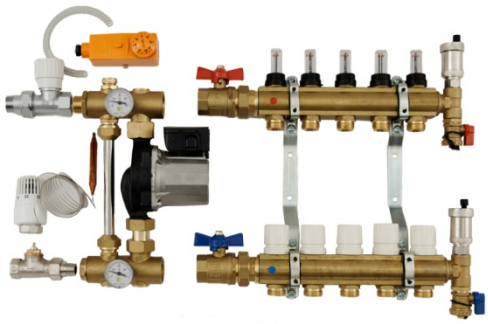
POLIEKO
modular manifold 1” in polyammide reinforced with glass fiber, thermostatic valve on the return, with flow rate, with n. 2 thermometers, n.automatic 2 automatic airvent, n. 2 exhaust terminals, and n. 2 brackets.



POLISWELL
modular manifold 1” ¼ in polyammide reinforced with glass fiber, thermostatic valve on the return, with flow rate, with n. 2 thermometers, n.automatic 2 automatic airvent, n. 2 exhaust terminals, and n. 2 brackets.



OTTOMATIC
brass manifold 1” thermostatic valve on the return, with flow rate, with n. 2 thermometers, n.automatic 2 automatic airvent, n. 2 exhaust terminals, and n. 2 brackets.



OTTOFIX MONO
UHM mixture system. This control center is designed for mixing the primary supply water with the under floor heating return water into a required temperature for under floor heating systems. Main components: thermostat secuity TCS 47; three ways valve BUL 57 with motorized actuator AXM 117 (230 V) TCB 34; double by pass valve; n, 2 thermometer TB 12; n. 2 automatic airvent; n. 2 filling valve; Pump Grundfos a 3 speed brand WILO
OTTOMATIC brass manifold 1" thermostatic valve on the return, with flow rate, with n. 2 thermometers, n.automatic 2 automatic airvent, n. 2 exhaust terminals, and n. 2 brackets.
CIM steel sheet cabinet for manifold with mobile guides . Adjustable in depth from 110 to 150 mm. Lock with screwdriver. Suitable for the containment of manifolds in the range. Available in widths of 40, 50, 60, 70, 85, 100, 120, 130

APX
fittings for connection of polyethylene pipes (PE Xa or PE RT) to the manifolds of the range swell system

RM
fittings for connection of multilayer pipes (MRN) to the manifolds of the range swell system

TEP
actuator for electrical control of the manifold, 230 V, normally closed 2 or 4 wire, (with a limit switch for an addictional electrical equipment like a boiler, a pump, or other.

TE 411
elecotronic room thermostat WC white with: big display graphic icons matched to the front buttons for choice of mode operation. Choice Celsius or Fahrenheit. Powered by 2 AA 1.5 V alkaline. Battery life more than 4 years, an indicationof insufficient charging of batteries. Max temp 45°C Dimensions 135 x 83 x 21

CP 18
curve support at 90° in polyammide reinforced with glass fiber. No scratch pipe

REZ 7/7/2
galvanized ribbed mesh. Decreases formation of cracks caused by temp differencesand prevent the creation of projections in the floors. Measures mm. 2000 x 1000 mesh 70 x 70 x 2. Pack n. 20 sheets (m² 40).
Wire is knurled for better gripping on the concrete slab

LA 45
Liquid additive for concrete slab. Designed to reduce the mixing water, improves the fluidity of the concrete, promotes good workability without delaying the development of mechanical strengths. Recommended dosage: 1% by weight of cement powder

SWC 30
protective liquid for underfloor radiant system. Balanced composition of corrosion inhibitors with anti scaling action, also generates a healing effect ahainst lime deposits or biotic, and also to corrosion residues may be present in the plant. Also generate al algostatic effect. Compatible with all metals and plastic elastomers. Biodegradable. Dosage 1 kg every 200 litres of water in the system.