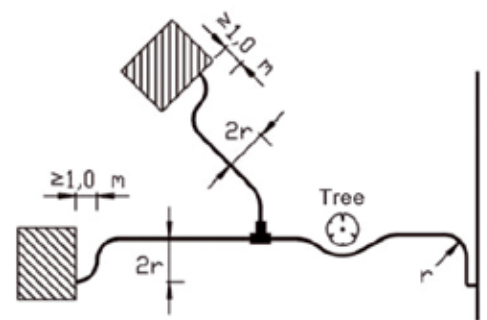




ISOCLIMA

- for transportation of cold water



isoclima

Pre-insulated PE100 Pipes: Operating Conditions

Maximum operating temperature T_{max} :	+40 °C
Minimum operating temperature T_{min} :	-40 °C
Maximum operating pressure p_B :	11,6 bar
Connection Technology :	welded sleeve, screw connection, plate welding

Series 1								
Type	Dimension PE100 pipe		Jacket-Pipe-Outside-Ø Da in mm	Max. Delivery-length L in m	Max. coil-outside-Ø da in mm	Minimum bending-radius r in m	Weigth without water G in kg/m	Heat Loss-coefficient U-Value in W/(m•K)
	Outside-Ø da in mm	Wall-thickness s in mm						
isoclima-20	20,0	2,0	65	95	2500	0,8	0,8	0,1051
isoclima-25	25,0	2,3	75	95	2500	0,8	0,81	0,1121
isoclima-32	32,0	2,9	75	95	2500	0,9	0,89	0,1406
isoclima-40	40,0	3,7	90	95	2500	0,9	1,21	0,1469
isoclima-50	50,0	4,6	110	95	2500	1,0	1,75	0,1515
isoclima-63	63,0	5,8	125	150	2500	1,1	2,31	0,1714
isoclima-75	75,0	6,8	140	140	2700	1,2	3,04	0,1852
isoclima-90	90,0	8,2	160	120	2700	1,4	3,97	0,1990
isoclima-110*	110,0	10,0	160	85	2700	1,4	4,80	0,2810
isoclima-110	110,0	10,0	180	85	2700	1,4	5,24	0,2272

*Series 0

isoclima Advantages

- ⇒ delivery in coils up to 150 m single lengths
- ⇒ weldability of medium pipe
- ⇒ reduction of total time for construction, less traffic-interference etc.
- ⇒ more easy trench-buildings in intensively constructed areas, city centres etc.
- ⇒ lower pipe-covering-heights are possible, respectively shallow pipe laying
- ⇒ nearly no assembling work for joint connections (trench can be filled immediately)
- ⇒ inexpensive alternative to PEX-Pipes within the technical possibilities
- ⇒ lowest degree of heat loss, due to high quality insulation, $\lambda_{[20]PUR} = 0,022 \text{ W/(m•K)}$

Connection technology

The connection of the **isoclima** pipe occurs using weldable PE-HD joints; butt welds and screw-type connections are also options. A wide range of connection components is available.

