

# Product information

## Horizontal spiral pipe manhole type Submarine

Type		Submarine
Diameter in mm		1800 - 2000
Height in mm		~ 2000 - 2800
Length in mm		2000 - 12000
Cover plate according to DIN EN 124 / DIN 1229	A 15 (Plastic)	●
	B 125 (Cast iron)	○
	D 400 (Cast iron)	○
Number of Circuits		4-200
Heat pump connection * With Butterfly Valve	OD 110	○
	OD 125	●
	OD 140	○
	OD 160	○
Curcuits *	OD 32	○
	OD 40	●
Supply pipe*	OD 50	○
	PVC ball valve	●
Return pipe *	PVC ball valve	○
	FM 2 - 12l/min	○
	FM 5 - 42l/min	●
	FM 20 - 70l/min	○
	Hydrocontrol DN25	○
Accessories:		
Filling/ Venting *	BV MS 1"	●
Manometer 0-6 bar, Thermometer -20 +60 °c		○
Air valve, Drain ball valve		○
● Standard	○ Optional	
* other Dimensions and installations on request		

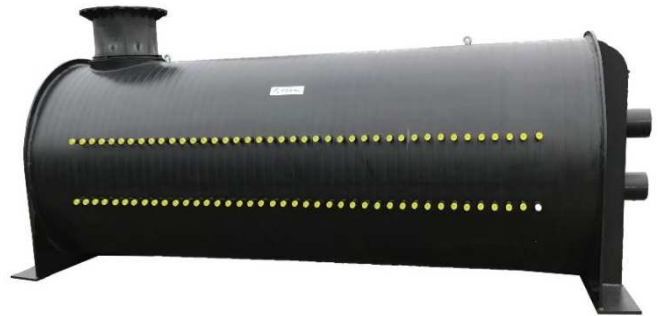


Fig. 1 Manhole 82-Curcuits

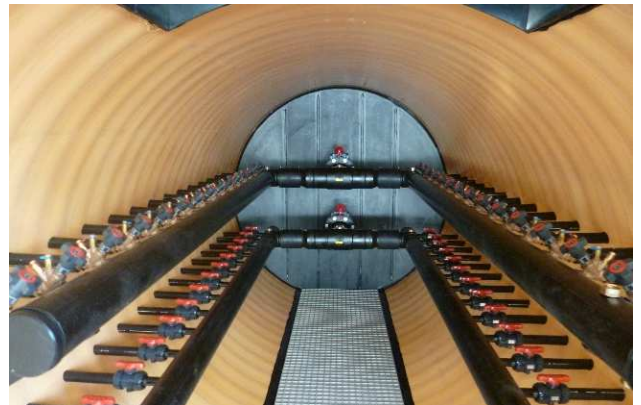


Fig.2: Inside view, 30-Curcuits, with Hydrocontrol

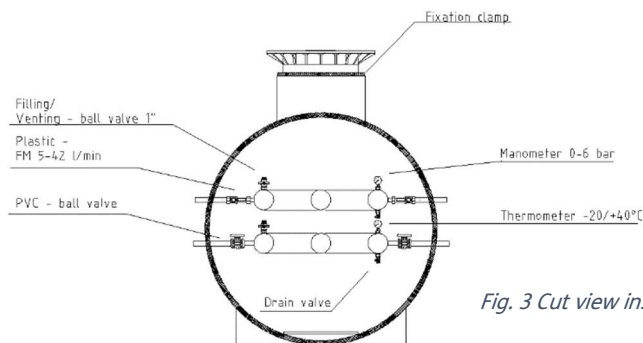


Fig. 3 Cut view installations

### Technical Details

- Project related dimensioning
- Casing PE100 spiral pipe manufactured in coextrusion process according to DIN 16961, inspection-friendly bright tube inside,
- Corrosion-free steps, lifting eyes,
- Telescopic manhole cover day waterproof with locking device
- Installation under building floor plate possible by means of FRANK puddle flange
- Completely prefabricated, installed and pressure tested manifold/collector PE 100, SDR 11,
- Arranged horizontally in H-shape, each with 1" filling/venting ball valve
- Manifold bar joined via T-piece to heat pump connection
- All fittings can be removed radially,
- Brine outlet: PVC ball valve type 21
- Brine inlet: Regulable/sealable flow meter 5-42 l/min or line regulating valve
- All connections have 100 mm external overlap and are welded to the manhole wall

Verifiable statics included.

Our installation instructions must be observed:  
[www.frank-gmbh.de](http://www.frank-gmbh.de)

