

## Energy from Wastewater with UHRIG Therm-Liner

### Intake Form: What we need from you

#### 1. General information

Projekt name	
Projekt address	
Realization date	
Contact details	
Questions	

#### 2. Necessary: Specification of medium circuit (THERM-LINER ↔ Heat pump)

Extraction-/Insertion capacity		kW extract		kW insert
Temperature spec. heating mode*		°C to HP		°C from HP
Temperature spec. cooling mode*		°C to HP		°C from HP
Medium specification*	<input type="checkbox"/>	Water	<input type="checkbox"/>	Antifreeze
If Antifreeze: percentage?		% (Common: 20% Antifrogen N)		
Pressure drop spec. medium circuit*		mbar (Common: 1.000 mbar)		
Comments				

\* leave blank if unspecified

#### 3. Additional: Specification on building side

Heating- / Cooling capacity (building)		kW heating		kW cooling
Annual full load operation hours		h/a heating		h/a cooling
Temperature HP sink (heating)		°C supply		°C return
Temperature HP source (cooling)		°C supply		°C return

If separate warm water:	<input type="text"/>	°C supply	<input type="text"/>	°C return
Object is to be ...	<input type="checkbox"/>	newly built	<input type="checkbox"/>	restored
Comments	<input type="text"/>			

#### 4. If known: Sewer and wastewater data

Wastewater source	<input type="checkbox"/>	municipal	<input type="checkbox"/>	industrial
Sewer is ...	<input type="checkbox"/>	newly built	<input type="checkbox"/>	inventory
Distance Sewer – Heat pump	<input type="text"/>	m		
Sewer length available	<input type="text"/>	m		
Sewer shape	<input type="checkbox"/>	round	<input type="checkbox"/>	other
Sewer dimension	<input type="text"/>	mm height	<input type="text"/>	mm width
Slope	<input type="text"/>	‰		
Flow rate (dry weather condition)	<input type="text"/>	l/s mean	<input type="text"/>	l/s minimal
Temperature	<input type="text"/>	°C mean	<input type="text"/>	°C minimal
Comments	<input type="text"/>			

#### 5. UHRIG Therm-Liner - Contact

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