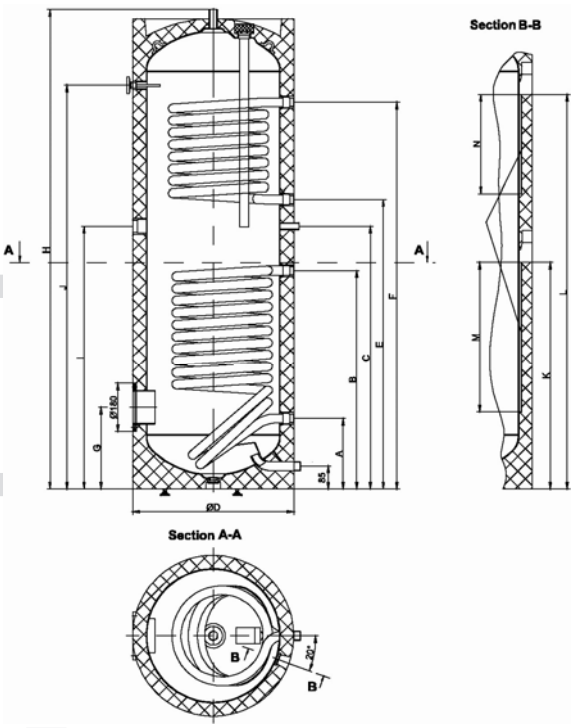
DHW (solar) tank Skymantel

- Large heat exchanger areas
- Welded high-performance exchangers (resistant against lime)
- Enamelling and magnesium anode according to DIN 4753
- High quality PU-insulation 50 mm, 100% CFC free
- The upward warm water outlet guarantees total air vent
- Pre-installed thermometer, blind flange plate and insulation of the flange
- All tanks incl. connection for electrical heating cartridge 1 ½”
- Colour of the enclosed coating eligible
- Height adjustable feet

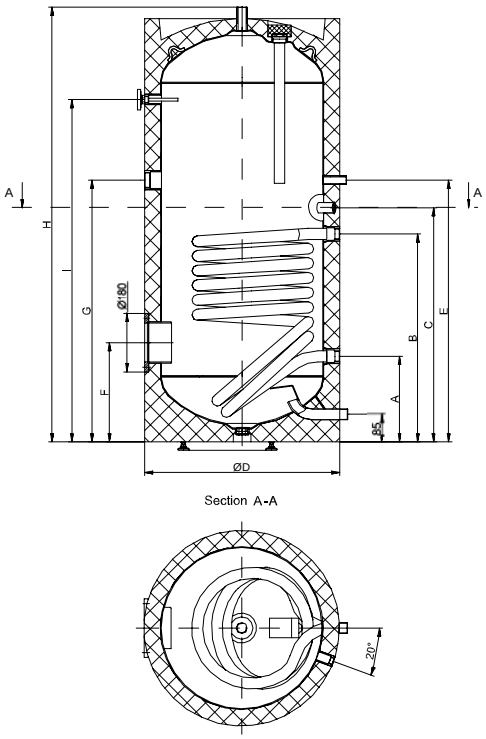
Connections:	
TH	Thermometer ½“ F
EL	Connection for electrical heating cartridge 1 ½“ F
C	Circulation ¾“ M (1“ at GK-ERMR 500)
R1	Flow (heating) 1“ F
R2	Return (heating) 1“ F
R3	Flow (solar or heating) 1“ F
R4	Return (solar or heating) 1“ F
WW	Warm water 1“ M
CW	Cold water 1“ M

Flange: Ø 180 mm

GK-ERMR, 2 exchangers



GK-ERM, 1 exchanger



Tank type		Dimensions mm											Weight kg	Incl. mm	Install. depth mm	Exchangers m²	
		H	ØD	A	B	C	E	F	G	I	M	N				above	below
ERMR	**300**	1790	610	263	836	963	1083	1443	305	983	560	370	131	1838	520	1,0	1,4
	400	1839	680	320	880	1000	1100	1460	345	983	560	370	158	1894	590	1,0	1,8
	500	1853	760	370	930	1095	1195	1465	370	1095	560	310	172	1920	670	1,0	2,0
ERM	**160**	1111	610	263	503	563	618	305	668	724	-		76	1192	520	-	0,6
	200	1339	610	263	636	718	803	305	803	1050	-		88	1394	520	-	1,0
	300	1790	610	263	836	898	963	305	983	1507	-		115	1838	520	-	1,4
	500	1853	760	370	930	1010	1095	425	1095	1498	-		160	1920	670	-	2,0

* Installation depth of the connection for the electrical heating cartridge for SH heating

DHW (solar) tank Skymantel

TECHNICAL DATA

Max. temperature of the tank according to DIN 4753:	95ºC
Max. temperature of the heating circuit according to DIN 4753:	110ºC
Max. pressure of the exchanger:	10 Bar
Max. pressure of the tank:	10 Bar

PERFORMANCE DATA

GK-ERMR

				Conditions												Standby heat loss kWh/24h *)	Performance factor_NL
Temperature of flow				70°C	70°C	70°C	80°C	80°C	80°C	70°C	70°C	70°C	80°C	80°C	80°C		80°C
Temperature of warm water				45°C	45°C	45°C	45°C	45°C	45°C	60°C	60°C	60°C	60°C	60°C	60°C		60°C
Temperature of cold water				10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C		10°C
Flow				1m³/h	2m³/h	3m³/h	1m³/h	2m³/h	3m³/h	1m³/h	2m³/h	3m³/h	1m³/h	2m³/h	3m³/h		3m³/h
	Exch.	m²		Performance data													
ERMR 300	below	1,5	kW	23,0	30,1	31,8	29,8	39,1	42,7	17,1	20,9	22,4	24,8	31,0	33,9	2,3	7,5
			l/h	566	740	782	733	962	1050	294	360	386	427	534	584		
	above	1	kW	16,6	20,2	21,8	21,9	26,7	29,1	12,2	14,4	15,7	18,1	21,7	23,6		1,8
			l/h	408	497	536	539	657	716	210	248	270	312	374	406		
ERMR 400	below	1,8	kW	27,2	34,8	38,9	35,1	45,1	50,7	20,4	25,5	27,5	29,3	37,1	41,2	2,5	11
			l/h	669	856	957	863	1109	1247	351	439	474	505	639	709		
	above	1,0	kW	16,7	20,0	21,5	21,6	26,1	28,2	12,4	14,5	15,4	18,0	21,4	23,0		3
			l/h	411	492	529	531	642	694	214	250	265	310	369	396		
ERMR 500	below	2	kW	29,8	39,2	44,2	38,3	51,2	58,1	21,9	27,2	29,5	31,7	42,1	48,1	2,8	15
			l/h	733	964	1087	942	1260	1429	377	468	508	546	725	828		
	above	1	kW	16,2	19,6	20,9	20,3	25,0	27,5	11,4	13,5	14,0	16,8	19,9	21,0		3,7
			l/h	399	482	514	499	615	677	196	232	241	289	343	362		

*) according to DIN 44 532 in kWh/24h

GK-ERM

			Conditions												Standby heat loss kWh/24h *)	Performance factor_NL
Temperature of flow			70°C	70°C	70°C	80°C	80°C	80°C	70°C	70°C	70°C	80°C	80°C	80°C		80°C
Temperature of warm water			45°C	45°C	45°C	45°C	45°C	45°C	60°C	60°C	60°C	60°C	60°C	60°C		60°C
Temperature of cold water			10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C	10°C		10°C
Flow			1m³/h	2m³/h	3m³/h	1m³/h	2m³/h	3m³/h	1m³/h	2m³/h	3m³/h	1m³/h	2m³/h	3m³/h		3m³/h
	m²		Performance data													
ERM 160	0,6	kW	11,9	13,9	14,9	15,6	18,5	19,8	8,5	9,7	10,3	12,5	14,7	15,7	1,6	2
		l/h	293	342	367	384	455	487	146	167	177	215	253	270		
ERM 200	1,0	KW	18,0	21,7	23,5	23,3	28,4	31,0	13,2	15,5	16,6	19,1	22,9	24,8	1,8	3,5
		l/h	443	534	578	573	699	763	227	267	286	329	394	427		
ERM 300	1,4	kW	23,0	30,1	31,8	29,8	39,1	42,7	17,1	20,9	22,4	24,8	31,0	33,90	2,2	7,5
		l/h	566	740	782	733	962	1050	294	360	386	427	534	584		
ERM 500	2,0	kW	29,8	39,2	44,2	38,3	51,2	58,1	21,9	27,2	29,5	31,7	42,1	48,1	2,7	15
		l/h	733	964	1087	942	1260	1429	377	468	508	546	725	828		

*) according to DIN 44 532 in kWh/24h