





































Wat	er sc	rubb	er						
	Electricity demand	Heat demand	Water demand	Demand on chemical substances	Operation pressure	M ethane loss	M ethane recovery rate	Off-gas treatment recommen ded	Precision desulphuri- zation require
	[kWh/r	n _n ³ _{BG}]			[bar]	[%]	[%]		
ranges	0.20 - 0.30	0	Yes	No	4-10	0.5 - 2	98-99.5	Yes	No
typical values	>0.2 - <0.3	0	Yes	only e.g. anti- scaling/fouling agents on demand	4-10	0.5 - 2	98-99.5	Yes	No
-									
H.		-	Ett				5		
1 Cali			1		1 12			15 in	
		1.00						• P1	
11	and the second				1 _ 🖺		1 13		
	and the second s		- and a			~	[F	raunhofer IE	E Be il] -
								_	









































Limiting values biomethane grid injection according to German technical standard

Parameter	Unit	Value						
Methane	mol-%	≥ 95 (H-gas) ≥ 90 (L-gas)						
Carbon dioxide	mol-%	4 (MOP < 16 bar) 2.5 (MOP ≥ 16 bar)						
Water content	mg/m³	200 (MOP ≤ 10 bar) 50 (MOP > 10 bar)						
 <u>Sulfur:</u> Total (without / with odorant) H₂S and COS (as sulfur) 	mg/m³	• 6/10 • 5						
Silicon	mg/m³	0.3						
Ammonia and amines	mg/m³	10						
Table shows examples for limiting values according to DVGW G 260 "gas quality" 09/2021								
© Fraunhofer IEE								

