



DEHOUST
ENERGY. HEAT. WATER.

Technical Data Sheet

DEHOUST GWtec® 140, 240, 340, 440 Greywater treatment plants for greywater reuse





	Greywater Connect Type	DEHOUST GWtec® 140	DEHOUST GWtec® 240	DEHOUST GWtec® 340	DEHOUST GWtec® 440	
Dimensions / weights / volumes	Article No.	813371	813372	813373	813374	
	Treatment capacity L/day	3,000 – 5,000	10,000	15,000	20,000	
	Number of persons	100	200	300	400	
	Effective volume of service water tank (L)	3,000	4,000	2 x 4,000	3 x 4,000	
	Effective volume of greywater tank (L)	3,000	4,000	2 x 4,000	3 x 4,000	
	Dimensions (mm)	4,850x2720x1920	Variant A: 5,750x2,900x2,250 Variant B: 5,050x2,900x2,250	Variant A: 9,000x2,920x2,250 Variant B: 8,200x2,920x2,250	Variant A: 12,000x2,920x2,250 Variant B: 10,500x2,920x2,250	
	Required clearance above tank (mm)	at least 700				
	Noise level (dB)	max. 48 dB(A)				
	Total weight (kg)	995	1326	2064	2839	
	Total weight when filled (kg)	7,495	10,326	18,064	26,839	
	Link to the plant configurations at the website www.dehoust.com					
	Technologies	Greywater tank prefilter (mm)	MAX coarse filter 0.5			
Filter material		Hollow fiber membrane filter / PESM membrane surface				
Membrane filter pore size (nm)		20				
Filtration stage		Ultrafiltration				
Free outlet		Type AB				
Mains water make-up		acc. to DIN EN 1717				
Mains water make-up category		5				
Rainwater make-up		optional				
Plant controller	Fully automatic with real-time access					
Electrical data	Network connection	yes				
	Condition for network connection	Stable connection without firewall				
	Voltage supply (fusing)	400 V / 50 Hz / 16 A				
	Power input (W)	2,310		2,440		
	Current input (A)	5.9		6.2		
	Energy use/consumption (kWh/m³)	0.5				
	Floating output	yes				
	Pressure booster	optional (DPA 14-40 Connect)				
	Pressure booster power input (W)	2,960				
	Pressure booster voltage supply (fusing)	230 V / 50 Hz / 16 A				
	Class of protection:	IP 54				
	Insulation class	F				



	Greywater Connect Type	DEHOUST GWtec® 140	DEHOUST GWtec® 240	DEHOUST GWtec® 340	DEHOUST GWtec® 440
Connections	Article No.	813371	813372	813373	813374
	Connection cable (m)	Fixed connection			
	Rainwater make-up connection	1 ¼"			
	Mains water make-up connection	1" IG			
	Inlet/overflow connections	DN 100			
	Tank drain connection	1 ½" IG			
	Coarse filter backwash connection	1" AG			
	Backwash IN	1 ¼" IG			
	Backwash OUT	1 ¼" IG			



All GWtec® units must be installed in a dry, frost-free and ventilated technical room.



The maintenance specifications in accordance with DIN EN 16941-2 must be observed.

Water quality of treated greywater GWtec®

	Parameter	Outflow quality	Inflow quality
Biochemical/chemical/physical parameters	Turbidity	< 2 NTU	From showers, bathtubs and sinks acc. to fbr Sheet H201 (2005) Tab 1.
	Biological oxygen demand (BOD ₅)	< 5 mg/l	
	O ₂ saturation	> 50 %	
	pH	6.5 – 9.5	
Hygienic parameters	Total coliform bacteria	< 10,000/100ml	
	Escherichia coli	1,000 /100ml	
	P. aeruginosa	< 100/100ml	

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The country-specific approvals and installation regulations must be complied with.



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