



DEHOUST
ENERGY. HEAT. WATER.

Technical Data Sheet / US Version

DEHOUST GWtec® 140, 240, 340, 440, 640 Greywater treatment plants for greywater reuse





Greywater Connect Type		DEHOUST GWtec®140	DEHOUST GWtec®240	DEHOUST GWtec®340	DEHOUST GWtec®440	DEHOUST GWtec®640
Dimensions / weights / volumes	Article No.	813371	813372	813373	813374	813393
	Treatment capacity GPD	792 –1,321	2,642	3,962	5,283	7,925 – 9,246
	Number of persons	100	200	300	400	600
	Effective volume of service water tank (gal)	792	1,057	2 x 1,057	3 x 1,057	7 x 1,057
	Effective volume of greywater tank (gal)	792	1,057	2 x 1,057	3 x 1,057	8 x 1,057
	Dimensions (ft)	15 x 8.9 x 6.3	Variant A: 18.8 x 9.5 x 7.4 Variant B: 16.6 x 9.5 x 7.4	Variant A: 29.5 x 9,6 x 7.38 Variant B: 26.9 x 9,6 x 7.38	Variant A: 39.4 x 9,6 x 7.38 Variant B: 34.4 x 9,6 x 7.38	Variant A: N/A Variant B: 74.1x9.6x7.38
	Required clearance above tank (in)	at least 28"				
	Noise level (dB)	max. 48 dB(A)				
	Total weight (lb)	2,085	2,837	4,533	6,440	13792
	Total weight when filled (lb)	18,620	24,883	45,318	68,171	163,706
Technologies	Greywater tank prefilter (in)	MAX coarse filter 0.02				
	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)	2310		2440		
	Current input (A)	5,9		6,2		
	Energy use/consumption (kWh/m³)	1707.067258 BTU/h per 4,227 cup				
	Floating output	yes				
	Pressure booster	optional (DPA 14-40 Connect)				
	Pressure booster power input (W)	2960				
	Pressure booster voltage supply (fusing)	230 V / 50 Hz / 16 A				
	Class of protection:	IP 54				
	Insulation class	F				



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Connections	Article No.	813371	813372	813373	813374	813393
	Connection cable (m)	Fixed connection				
	Rainwater make-up connection	1 ¼ "				
	MainsWater make-up connection	1" IT				
	Inlet/overflow connections	DN 100				
	Tank drain connection	1 ½" IT				
	Coarse filter backwash connection	1" OT				
	Backwash IN	1 ¼" IT				
	Backwash OUT	1 ¼" IT				



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

Please, use our digital service in this PDF document:



You can find drawings of the system configurations of the different variants on our website www.dehoust.com - click on the symbols below to go directly there.

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Direct link to the system configurations on our website					



Water quality of treated greywater GWtec®

Summary of analytical accuracy and precision goals according to NSF/ANSI 350-2022

Analyses	Units	Reference methods	Accuracy percent recovery	Precision relative percent difference
BOD ₅	mg/L	SM 5210 B	75 to 125	0 to 20
CBOD ₅	mg/L	SM 5210 B	75 to 125	0 to 20
Total suspended solids	mg/L	SM 2540 D	N/A	0 to 10
pH	SU	SM 4500-H ⁺ -B	N/A	0 to 10
Temperature	° C	SM 2550 B ¹	N/A	0 to 10
E. coli	MPN / 100 mL	SM 9221	N/A	N/A
		SM 9223-B Colilert®	N/A	N/A
Turbidity	NTU	EPA 180.1	89 to 102	0 to 7
Total chlorine residual	mg/L	SM 4500-Cl-B-I	98 to 111	0 to 10
TKN	mg/L as N	EPA 351.2	80 to 120	0 to 10
NO ₃ / NO ₂	mg/L as N	EPA 353.2	80 to 120	0 to 10
Total phosphorus	mg/L	SM 4500-P-E	89 to 123	0 to 10
COD	mg/L	SM 5220 B	N/A	N/A
Total coliform	MPN / 100 mL or CFU / 100 mL	SM 9221	N/A	N/A
		SM 9222-B	N/A	N/A
Alkalinity	mg/L as CaCO ₃	EPA 310.1	80 to 120%	0 to 10
Hardness	mg/L as CaCO ₃	EPA 200.7	88 to 119	0 to 17



Country-specific regulations, standards and laws must be observed as a matter of priority!

¹ Standard methods



Units of measurement		
time	second	s
	minute	min
	hour	h
	day	d
	week	wk
	month	mo
	year	yr
length	inch	in
	foot	ft
	yard	yd
	micrometer	µm
	nanometer	nm
	millimeter	mm
	centimeter	cm
	meter	m
liquid measure	milliliter	mL
	liter	L
	liters per day	LPD
	liters per minute	LPM
	ounce	oz
	pint	pt
	quart	qt
	gallon	gal
	gallons per minute	GPM
	gallons per day	GPD
weight	microgram	µg
	nanogram	ng
	milligram	mg
	gram	g
	kilogram	kg
	pounds	lb
	tons	t
other	kilowatt-hour	kWh
	cup	c

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



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