

Tel. 540-832-0609 Fax. 540-832-3054
www.mnettekinternational.com
info@mnettekinternational.com
661 Ashanti Farm Rd. - Gordonsville, VA 22942

FERNETT 
Energy Solutions LLC
Dust Separator - Exhaust Air - Wastewater - Energy Efficiency



University Hospital Jena/Germany



FERCHER*
Wastewater
Heat recovery

Type AWT-928

The two Fercher Wastewater Heat Exchangers
Type AWT-928 are installed on the ceiling
and connected in series



**Fercher Wastewater Heat Exchangers
Type AWT-928, inside view**



Bottom view of the AWT-928

*Bernhard FERCHER Company is FERNETT's European Partner located at Schiesstattgasse 53/4 in Graz, Austria.

Univ. Hospital Jena: Output measurement		Conditions: Wastewater/Cold water 40/10°C		May 11, 2005		Page 1/1	
Start time: Mar. 03, 2005 17:58:22				Min:		Max:	
End time: 03.03.2005 19:23:22		K:1 [°C] Wastewater warm in		34.10		51.80	
Channels: 4 (4)		K:2 [°C] Wastewater cold out		17.70		38.30	
Measuring points: 18		K:3 [°C] Freshwater warm out		23.80		26.60	
K1: SN 00976532 / 405		K:4 [°C] Freshwater cold in		8.80		11.60	
Accuracy:		K1: Acc:+/- 0.3 [-100..70] °C					
		K2: Acc:+/- 0.3 [-100..70] °C					
		K3: Acc:+/- 0.3 [-100..70] °C					
		K4: Acc:+/- 0.3 [-100..70] °C					
K 1: ZWT AW T1		Q per supply/efficiency		= 139.0 kWh/d = 1.00 = Reference value			
K 2: ZWT ZW T2		Q above characteristic curve = $1.16 \times 8 \times 16$		= 148.5 kWh/d = 1.07			
K 3: Buffer KW from T3		Q over KW T3-T4 $Q_d = 1.16 \times 8 \times 16.4$		= 152.2 kWh/d = 1.09 = Actual value			
K 4: Buffer KW in T4 (= Q over heat counter)							

