

Date: March 23, 2023
To: Joe Trueblood, Utility Superintendent
From: Bill Swearingen, Operations Supervisor
Subject: Backwash Tank Flow Meter

During filter study workshops, CDM Smith recommended a flow meter be installed on the existing backwash system as an improvement in measuring filter backwash loading rates. Energenecs identified that an Ultrasonic transit time flowmeter clamp-on version would be suitable for this application. Energenec's Service Tech (assisted by OM Techs) successfully installed a demo unit on existing backwash water line on March 13, 2023.

The unit has proven to be reliable and accurate. I would like to recommend moving forward with purchasing the new head unit which would replace the demo unit.

QUOTE

Order Number : 0038049
Order Date : 3/13/2023
Salesperson : Gary W. Dean

Sold To :

Sheboygan Water Utility
72 Park Avenue
Sheboygan, WI 53081-2958

Ship To :

Sheboygan Water Utility
72 Park Avenue
Attn: Andy Wellman
Tag: Washwater flow meter
Sheboygan, WI 53082

Confirm To : Andrew Wellman

Customer Number : SHE008

Expected Date: 4/13/2023

Customer P.O.	Ship VIA	Terms	Order Type :			
QUOTE: Andy Wellman	UPS GROUND	Net 30 Days	SRV			
Item Code	Unit	Ordered	Shipped	Back Order	Cost/Unit	Amount
9W4BA 1-AALHFPDACAACAEA 1	EACH	1.00	0.00	0.00	9,300.00	9,300.00
Prosonic Flow W 400, 9W4BA 1, 1 set Ultrasonic transit time flowmeter Clamp-on version. Application: Bidirectional flow measurement for water+ wastewater and process water and hydropower plants. Mounting without process interruption. Maintenance-free installation. Corrosion-resistant transmitter version. 4-line display, touch control. :: Clamp-on device for Water + :: Wastewater with web server. AA Approval; Transmitter; Sensor: Non-hazardous area L Power Supply: 100-240VAC/24VAC/DC H Output; Input: 4-20mA HART, pulse/freq., switch output F Display; Operation: 4-line ilium.; touch control P Transmitter Housing: Remote, alu, coated D Electrical Connection: Thread NPT1/2 AC Sensor Version: C-100 (1 MHz) A Process Temperature: -20 ... 80oC, -4 ... 176oF AC Cable: 15m/45ft, -40 ... 80oC, -40 ... 176oF AE I nstallation Set: DN200-DN600, 8"-24" A 1 Device Model: 1						
/LABOR	HOUR	1.00	0.00	0.00	135.00	135.00
Labor						
CS / install / startup / two-way flow strap on flow meter billed at T&M.						
/ZONE 1	EACH	1.00	0.00	0.00	85.00	85.00
Trip Charge						

Continued

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QUOTE: Andy Wellman	UPS GROUND	Net 30 Days					
Item Code	Unit	Ordered	Shipped	Back Order	Cost/Unit	Amount	
/MISC SUPPLIES - SERV	EACH	1.00	0.00	0.00	0.00	0.00	
Misc Supplies - SRV							
Misc tech supplies determined by assigned tech							
/FREIGHT	EACH	1.00	0.00	0.00	0.00	0.00	
Freight and Handling							
UPS Gr. PP & Add / (35 days)							

Convenience Fee of 3.5% will be added to all invoices paid by credit card.

Quotes and Sales Orders will be converted to an Invoice.
Do not pay off a Quote or Sales Order.

Harvest Zoho

Net Order:	9,520.00
Less Discount:	0.00
Sales Tax:	0.00
Order Total:	9,520.00