



MISCOwater
6440 Oak Canyon, Suite 150
Irvine, CA 92618
(949) 458-5555



Ryan Coon
MISCOwater
Aftermarket Sales

(951) 258-1226 Mobile
rcoon@miscowater.com
6440 Oak Canyon #150
Irvine, CA 92618
United States of America

Attachment 2

Quote

Date	Quote #
11/04/24	101724-IRC

Customer
CITY OF OCEANSIDE 300 North Coast Highway Oceanside, CA 92054 SSpeigle@oceansideca.org

Ship To
CITY OF OCEANSIDE TBD

Line #	Description	Qty	Rate	Total
1	Qty (3) Acrison Model 580-2 Model 580-2 Liquid Polymer Processing Module with Secondary Dilution Assembly. - 10 gallons per hour of neat polymer metered via Netzsch progressive cavity pump - up to 28 gallons per minute of water (1680 GPH)	1	101,650.00	101,650.00
2	Freight Charges **Freight is just an estimate, actual freight will be charged at the time of invoicing.	1	2,700.00	2,700.00
3	Start-Up & Services 1 trip, 3 days Start-up Service by an Acrison Service Technician	1	6,200.00	6,200.00
4	Estimated Sales Tax @ 8.25% LEAD TIME: The scope of the equipment outlined in this offering requires a drawing approval process. Drawings for approval will be submitted six (6) weeks after our receipt of a formal purchase order, including all of the required engineering data necessary for complete order entry. Drawings returned "approved as noted, released for production" — which encompass the requirement for significant engineering rework — will be resubmitted for final approval. Drawings resubmitted for final approval will be forwarded within five (5) weeks after their receipt by MISCOwater. Equipment delivery lead time, as specified herein, commences on the date of	1	8,386.12	8,386.12
			Total	

Signature

Date



MISCOWater
6440 Oak Canyon, Suite 150
Irvine, CA 92618
(949) 458-5555

Quote

Date	Quote #
11/04/24	101724-1RC

Customer
CITY OF OCEANSIDE 300 North Coast Highway Oceanside, CA 92054 SSpeigle@oceansideca.org

Ship To
CITY OF OCEANSIDE TBD

Line #	Description	Qty	Rate	Total
	<p>receipt by MISCOWater of final approval drawings, approved without comment and released for production.</p> <p>Equipment 18-20 Weeks after acceptance of order. Contingent upon availability</p> <p>SALES TAX: Proposal does not include any sales, use, federal, state, local, excise, or other similar taxes or duties unless expressly stated in this quotation. All applicable taxes shall be paid by Buyer. Sales Tax will be calculated based on the rate at the time of shipment. If order is tax exempt, Buyer must provide a resale certificate or tax exemption certificate, whichever is applicable to Seller upon acceptance of order.</p> <p>FREIGHT: Prepaid and add.</p> <p>FOB: Origin</p> <p>SHIPPING & BILLING: Please provide Shipping Address for Delivery and Billing Address for Invoice.</p> <p>PAYMENT TERMS: Subject to prior credit approval, the terms of payment are 100% upon equipment shipment (or offer to ship), Net 30 Days.</p> <p>CREDIT CARD CONVENIENCE FEE: Where permissible by law, all products and services paid with a credit card will be subject to a 3.5% convenience fee. This is not greater than our cost of acceptance.</p>			
			Total	

Signature

Date



MISCOwater
6440 Oak Canyon, Suite 150
Irvine, CA 92618
(949) 458-5555

Quote

Date	Quote #
11/04/24	101724-1RC

Customer
CITY OF OCEANSIDE 300 North Coast Highway Oceanside, CA 92054 SSpeigle@oceansideca.org

Ship To
CITY OF OCEANSIDE TBD

Line #	Description	Qty	Rate	Total
	TERMS & CONDITIONS: MISCOwater's standard Terms and Conditions of Sale apply and are an integral part of this quotation unless specifically noted otherwise in this proposal.			
			Total	\$118,936.12

Signature _____

Date _____

20 Empire Boulevard, Moonachie, New Jersey 07074
Phone: 201-440-8300 Fax: 201-440-4939
Email: Informail@Acrison.com

Oceanside, CA SLR WWTP

Attn: Scott Speigle

(3) Model 580-2 Liquid Polymer Blending System

Three (3) Model 580-2 Liquid Polymer Preparation Modules, each capable of blending and activating up to 10 gallons per hour of neat polymer with up to 18 gallons per minute of water. A secondary dilution assembly is provided to achieve up to 28 gallons per minute.

EQUIPMENT DESCRIPTION

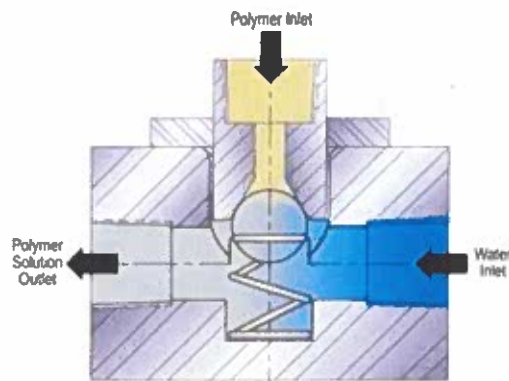
MODEL 580-2

Acrison's Model 580 Liquid Polymer Processing Module is an advanced, highly effective system for instantaneously activating liquid polymer emulsions and solutions.

Standard Features

- Completely pre-piped and pre-wired in an industrial-duty, compact package, the fully automatic Model 580 Processing Module utilizes Acrison's performance-proven, controlled shear activation chamber for precise and uniform polymer performance.
- Unique Polymer Dispersion-Injector to pre-blend polymer with water prior to activation chamber. The dispersion injector completely isolates liquid polymer from contact with water anytime the polymer pump is shut-off or the module is shutdown.
- Automatic flush after every shut-down.
- Liquid polymer and water are metered into a unique activation chamber where the polymer is instantaneously activated to form a precise and homogeneous solution.
- A Netzsch progressive cavity pump will be supplied to meter the neat polymer into the system. Pump contact materials will be inert to liquid polymer (SS rotor and Viton stator).
- The pump will be mounted on the bottom of the system support frame to allow for flooded suction, and easy maintenance.
- The pump will be controlled by a VFD mounted in the system control panel, and will include the capability to be paced by a 4-20 mA input signal.
- As standard, all polymer contact surfaces are constructed of stainless steel and a synthetic material. The base of the





Dispersion-Injector



Motorized Activation Chamber

Model 580 is also constructed of stainless steel for total corrosion resistance and durability.

- The Liquid Polymer Processing Module has been designed to operate with an input water pressure ranging from 40 to 100 psig.
- The Model 580 includes a differential pressure switch to prevent the system from operating should a backflow condition arise.
- A motorized ball valve is provided for on/off control of water flow, which eliminates the need for a pulsation dampener.
- A rotameter with an integral rate-adjusting valve is included to indicate the volume of dilution water flowing through the Model 580.
- A suitably sized calibration column, with two PVC ball valves and an appropriate length of tubing, is included for pump calibration, and is mounted to the frame of the Model 580.
- The electrical control panel is NEMA 4X with system H/O/A switch, remote run, and alarm contacts.
- Control panel includes an Allen-Bradley Micro 810 controller,
- An Allen-Bradley VFD with panel mounted HMI is provided to control the pump motor speed. VFD includes 4-20mA in/out capability.
- The control panel will be mounted on the system, and will be pre-wired to the components.
- A stainless steel support stand is included for mounting the Model 580 at a convenient height. One (1) of the support stands will be mounted on four (4) four-inch diameter casters. The casters will be equipped with swivel and brake capabilities.
- Power requirement is 115/1/60

SECONDARY DILUTION ASSEMBLY

The Model 580 is equipped with a secondary dilution assembly to further dilute the polymer solution after passing through the motorized activation chamber. A second rotameter with rate-adjusting valve, an additional brass solenoid valve and a static mixer are included in this assembly. The secondary dilution assembly has a separate water inlet requiring 10 GPM.

COMMERCIAL SPECIFICATIONS AND INFORMATION

DRAWINGS

The scope of the equipment outlined in this offering requires a drawing approval process. Drawings for approval will be submitted **six (6) weeks** after our receipt of a formal purchase order, including all of the required engineering data necessary for complete order entry.

Drawings returned "approved as noted, released for production" — which encompass the requirement for significant engineering rework — will be resubmitted for final approval. Drawings resubmitted for final approval will be forwarded within **four (4) weeks** after their receipt by Acrison. Equipment delivery lead time, as specified herein, commences on the date of receipt by Acrison of final approval drawings, approved without comment and released for production.

DELIVERY

Shipment of equipment will be made **eighteen (18) weeks** after our receipt of final approved drawings in accordance with the provisions outlined in the preceding paragraphs regarding drawings.

NOTE: Lead-times, as noted above, are based on engineering and production schedules as of the date of this Offering, which will be held valid for thirty (30) days. Afterwards, lead-times are subject to change at the time of order placement, based on our engineering and production schedules at that time (i.e., lead-times may be reduced or extended).

Changes made to the equipment (by the buyer) during, or after, the drawing approval process may necessitate additional charges and may adversely affect the originally indicated delivery schedule.

WIRING/PIPING

All wiring to the equipment described in this offering is made by the purchaser. This includes all interconnections between the equipment and any Acrison-furnished control panel(s) as well as any interlock(s) either required by law or by the safety standards of the user. As standard, the equipment outlined in this offering does not include any specific interlock(s). Please advise Acrison if any such requirements exist.

BASIC WARRANTY

Acrison warrants the equipment for a period of one (1) year from the date of shipment in accordance with Acrison's standard warranty as described in Acrison's attached Terms and Conditions of Sale.

START-UP SERVICE

Prices shown in this equipment offering do not include equipment start-up or field engineering services. A copy of Acrison's Service Schedule is included with the feeder's instruction manual. Startup service/training are quoted as an option.

NOT INCLUDED

Services of an Acrison Technician other than those listed herein, supervision of installation, labor, anchor bolts, chemicals, piping, valves, fittings, starters, relays, controls and other accessories unless specifically stated in this Offering are not included. Piping and wiring to and from the equipment is also not included.

SHIPMENT

FOB Moonachie, New Jersey, Motor Freight.

PAYMENT TERMS

30% invoiced after receipt of approved drawings and release of equipment to production, with payment due net thirty (30) days from the date of invoice. Balance (70%) invoice upon shipment of the equipment, with payment due net thirty (30) days from date of invoice.

GENERAL COMMENTS

Acrison's approval submittal shall consist of one (1) digital file, in PDF format, containing Mechanical and Electrical drawings and catalog cut sheets. Preliminary and Final Operation and Instructional Manuals will also be provided in PDF format. Hardcopies of any documentation can be provided upon special request.

ADDITIONAL COMMENTS

- The Model 580-2 is rated for a maximum polymer flow of 5 gallons per hour and a **maximum** water flow of 18 gallons per minute. The **minimum** water flow is 7 gallons per minute. A secondary dilution assembly is provided to achieve up to 28 gallons per minute. The secondary dilution assembly has a separate water inlet requiring 10 gallons per minute.
- At an inlet water pressure of 40 psi, system backpressure should not exceed 15 psi.
- In order to ensure proper system operation, clean, filtered water with little or no solids content must be provided. Typically, standard plant effluent is not acceptable. As with **any** polymer system, solids particles will interfere with the chemistry of the polymer, resulting in premature flocculation, a less efficient final solution, and increased polymer demand. Unacceptable process water can also damage the mechanical components of the polymer system, rendering the system ineffective or inoperable. Additionally, salt water is not acceptable for use with Acrison polymer preparation systems.
- The equipment quoted in this equipment offering is based on Acrison's standard equipment and components (mechanical and electrical), which will be detailed in the first approval submittal. Any changes made to the equipment will result in additional charges, and may affect lead-time.
- Any additional valves/components required that are not specifically called out in this offering are the responsibility of the customer.
- Installation is not included.
- Anchor bolts are not included.
- Seismic Calculations are not included.