Acrison®

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Equipment Offering

City of Loganville, GA WWTP
Attn: Dave Pollard
Model 580-2 Liquid Polymer Blending System

Date: 1/3/26
Our Ref: WT25-1563

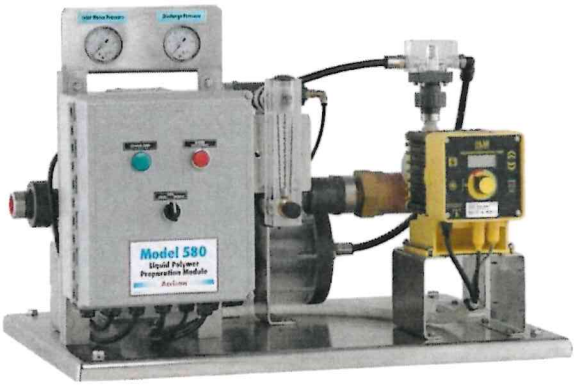
ACRISON, INC. hereby offers to sell you, based on your specifications and subject to the attached Terms and Conditions, the following equipment. Unless otherwise stipulated, this Equipment Offering is valid for thirty (30) days from the date stated herein.

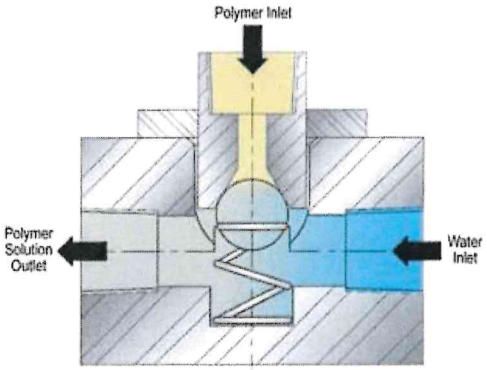
***One (1)** Model 580-2 Liquid Polymer Preparation Module, capable of blending and activating up to **10 gallons per hour** of neat polymer with **7 to 18 gallons per minute** of water.*

EQUIPMENT DESCRIPTION

MODEL 580

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

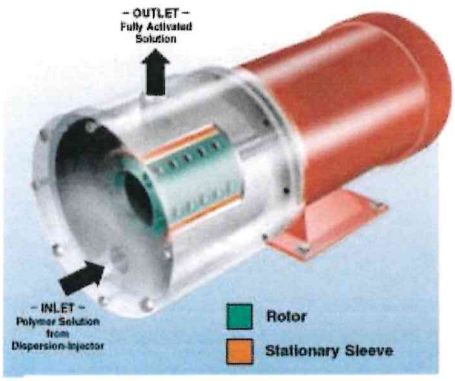




Dispersion-Injector

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.
- Liquid polymer metering pump can convey polymers with a viscosity of up to 40,000 cps.
- Each system includes a drum suction assembly with foot valve for use with 55-gallon drums.
- As standard, all polymer contact surfaces are constructed of stainless steel and a synthetic material. The base of the 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.



Motorized Activation Chamber

- The Model 580 includes a differential pressure switch to prevent the system from operating should a backflow condition arise.
- A motorized ball valve provides on/off control of dilution water flow, eliminating 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.
- The electrical control panel is NEMA 4X with system H/O/A switch, remote run, and alarm contacts. Pump includes 4-20mA input capability for external pacing of pump rate.
- Pump repair kit is included.
- Power requirement is 115/1/60.

WALL MOUNTING BRACKETS

Two stainless steel brackets are included with the Model 580 for wall-mounting.

Offering Summary

Qty.	Description	Price
One (1)	Model 580-2 as described herein	$17,375.00
	Freight to plant is included.	

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 **for (4) 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 **ten (10) 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.

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. Freight to the plant site is included.

PAYMENT TERMS

Net 30 days from the date of shipment.

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 10 gallons per hour and a **maximum** water flow of 18 gallons per minute. The **minimum** water flow is 7 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.