



TECHNOLOGIES

# LF Series Polymer Makedown

The ASLAN TECHNOLOGIES LF Series of continuous polymer makedown systems is the complete answer to neat liquid polymer makedown. The system is designed to run unattended between fillings of the polymer tote. The process is setup with a 1.5% concentration of polymer. This allows a greater holdup of aging product, resulting in a floor space savings since less water is stored. Lower polymer concentrations are also possible. The process starts by metering a precise amount of NEAT liquid polymer product into the high velocity water layer of the primary wetting stage. The solution is then rapidly re-circulated through a tight circulation loop to ensure a high mixing energy zone for a very short duration. The polymer then quickly leaves the system to achieve maximum product activation without damage to the polymer chains. Hard to mix polymer? NO PROBLEM, just add the upgraded pump for a greater mixing action.

The dilution water is a fixed flow, even with varying inlet pressures. The use of the optional water and polymer flow alarms ensure that an 'out of spec' solution is not made. The polymer can be strained with the generously sized optional basket strainer prior to entering the metering pump to protect the metering pump's checkvalves from plugging.

The wetted components are 316 Stainless Steel, Viton and Teflon. Contact your ASLAN TECHNOLOGIES INC. representative for further information or additional information on age tanks, mixers, transfer pumps or metering systems.



## LIQUID Polymer Feed System

- ***Robust, Simple and Versatile***
- ***Rugged stainless steel frame construction for long-lasting, reliable operation***
- ***Easy to set up and operate***
- ***PLC controlled***
- ***Polymer pump-up to calibration cylinder is standard***
- ***Standard backpressure valves for consistent process control***
- ***Diaphragm isolated pressure gauges***
- ***Inlet water strainer and rotameter for visual flow indication***
- ***Very easy disassembly for cleaning or servicing parts***
- ***Optional low water and low polymer flow alarm***
- ***Optional basket strainer, aging tank level, neat polymer storage tank and 4-20mA control are all available***

# Systems Specifications

Model No.	LF-0215	LF-0515	LF-1015	LF-1515	LF-2015
<b>Water Flow Rate</b>	2 GPM	5 GPM	10 GPM	15 GPM	20 GPM
<b>Max Neat Polymer Feed</b>	120 ml/min	280 ml/min	560 ml/min	852 ml/min	1335 ml/min
<b>Max Polymer Final Concentration</b>	1.50%	1.50%	1.50%	1.50%	1.50%
<b>SS Inlet Polymer Strainer (100 Mesh)</b>	Optional				
<b>4-20 mA Polymer Flow Control</b>	Optional				
<b>Polymer Low Flow Alarm*</b>	Optional				
<b>Low Polymer Storage Tank Alarm</b>	Optional				
<b>Conductivity based Age Tank Level</b>	Optional				
<b>Ultrasonic Non-contact based Age Tank Level</b>	Optional				
<b>Upgraded mix pump for hard to mix polymers</b>	Optional				
<b>Inlet Water Filter Water Rotameter</b>	STD 0.26 – 2.64 GPM	STD 0.66 – 6.6 GPM	STD 1.1 -11.0 GPM	STD 2.64-26.4 GPM	STD 2.64-26.4 GPM
<b>Water Low Flow Alarm*</b>	Optional				
<b>Electrical Supply</b>	120V, 15 A, 1PHASE				120V, 20 A, 1PHASE or 240V, 15 A, 1PHASE
<b>Immediate Stop Button</b>	Optional				
<b>Electrical Safety</b>	System protected by internal circuit breaker				
<b>Electrical Compliance</b>	Designed and Manufactured to CSA & NEC Standards including 3 <sup>rd</sup> party electrical inspection.				
<b>Water Inlet Pipe Size</b>	1"			1"	
<b>Polymer Inlet Connection</b>	1"			1"	
<b>Process Discharge Connection</b>	¾"			1"	
<b>Approx. Dimensions. inches / (mm)</b>	36 W x 30 D x 50 H / (890 W x 762 D x 1270 H)				
<b>Approx. Weight. Lbs. / (kg)</b>	246 / (111)			256 / (116)	266 / (121)
<b>* Polymer and Water low flow alarms come as one package</b>					

Represented by:

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Aslan Technologies Inc.

5044 South Service Road, Burlington, ON L7L 5Y7  
(905) 632-4968, FAX (905) 632-6730, Sales@AslanTech.ca