

ACCUMETER SERIES CONTINUOUS-LOSS-IN-WEIGHT BLENDING



The AccuMeter® Series is designed to blend a wide range of materials in continuous extrusion applications, and offers the most homogenous blend available compared to batch type blenders, feeders or mixers. The feeders are mounted on precision load cells, continuously weighing the output of each component.

The material flow is constantly monitored; any changes in properties, i.e. bulk density, pellet size, etc. are compensated for, and have no affect on the accuracy of the blended material.

The AccuMeter® Series mass flow weigh hopper learns the extruder rate, continuously sending the data to the Allen-Bradley control system. The material feed rates automatically adjust to match the extruder rate in order to maintain a consistent blend into the extruder throat. The system can be set up to flood feed or starve feed, and can accommodate most extrusion processes.

The Allen-Bradley control system consists of a COMPACTLOGIX™ programmable controller and PanelView Plus color touch screen interface.

The off-the-shelf programmable controller provides reliability and a large support network.

The PanelView Plus CE 1000 10.5" (267mm) color touch screen interface features a compact, flat-panel design. Using the latest operator interface technology, it is optimized for value and ease of use.

Standard Features

- Automatically adjusts individual feeders to match the extruder rate at the exact ratio required
- Upper material refill hoppers with refill valves
- Individual component weigh hoppers
- Lower mass flow weigh hopper assembly
- Allen-Bradley COMPACTLOGIX™ programmable controller
- PanelView Plus 1000 CE 10.5" (267mm) color touch screen
- PWM-DC or inverter duty AC motors, depending on model provides precision metering with wider recipe ranges
- Precision 0.02% analog or 0.0001% digital load cells, depending on model, provide accurate weight information
- Storage book for up to 50 recipes
- Feeder trending
- Full diagnostics
- Complete inventory and material usage information
- Alarm outputs
- 115/1/60, 230/1/60 or 460/3/60 supply voltage (varies by model). Other voltages available.

Optional Features

- Agitated feeders for powders and other non-free-flowing material
- Mezzanine mounting stand with 4" (102mm) tube stub
- Low-level, proximity sensor for each supply hopper
- Supply hopper lids cut for non-ACS Group • Walton/Stout vacuum receivers or loaders – per hopper. Includes cut-out and bolt-hole pattern only – special adaptors supplied at additional charge
- Agitated regrind supply and weigh hoppers for regrind material (per component)

ACS Group • Walton/Stout is committed to a continuing program of product improvement. Dimensions are subject to change without notice.

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Motor Drive Panel



AMP5000 8-component blender



Allen-Bradley Control System Interface

AccuMeter® AMP Series Blenders for General Blending

Model number	Max. output ²		Number of components
	Lbs/hr.	Kgs/hr.	
AMP 500	500	225	2 to 8
AMP1000	1,000	450	2 to 8
AMP1500	2,500	1,140	2 to 8
AMP5000	5,000	2,280	2 to 8
AMP10000	10,000	4,545	2 to 8
AMP15000	15,000	6,800	2 to 8

AccuMeter® AMC Series Blenders for Compounding

Model number	Max. output ²		Number of components
	Lbs/hr.	Kgs/hr.	
AMC 500	500	225	2 to 8
AMC1000	1,000	450	2 to 8
AMC1500	2,500	1,140	2 to 8
AMC5000	5,000	2,280	2 to 8
AMC10000	10,000	4,545	2 to 8
AMC15000	15,000	6,800	2 to 8

AccuMeter® AMF Series Blenders for Fiber Applications

Model number	Max. output ²		Number of components
	Lbs/hr.	Kgs/hr.	
AMF 500	500	225	2 to 8
AMF1000	1,000	450	2 to 8
AMF1500	2,500	1,140	2 to 8
AMF5000	5,000	2,280	2 to 8
AMF10000	10,000	4,545	2 to 8
AMF15000	15,000	6,800	2 to 8

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