

SCALES

FOR MONITORING FLOW

Extremely accurate in-process
weighing



Features:

- ◆ Unique single-gate design and filtered weight readings 10 times per second improve accuracy and virtually eliminate measuring errors.
- ◆ Detects, rather than causes chokes—if power fails, the lower gate moves to the open position, preventing damaging upstream chokes.
- ◆ Integrating additive feeder control with weigher allows additive ingredients to be automatically fed at a rate proportional to the weighed stream—the operator enters an additive ratio and the weigher does the rest!
- ◆ Accuracy of better than 0.2% regardless of changes in material characteristics.
- ◆ Available in painted mild steel (std), contact 304SS, or full 304SS.
- ◆ Can be directly controlled by B&R's MillView Yield Management Instrument, a PLC, or your existing PC based control system with any of B&R's network interface solutions. Optional built-in air pressure and vacuum isolation lower gate (shown).
- ◆ Rugged maintenance free butterfly gate mechanics provide literally millions of cycles with only routine maintenance.
- ◆ Sanitary flow-through design.
- ◆ Ready for use "out-of-the-box", but with flexibility that allows the controller to be moved from the scale to a remote location for more convenient operation. The calibration processor is a separately mounted on the scale for ease of maintenance.

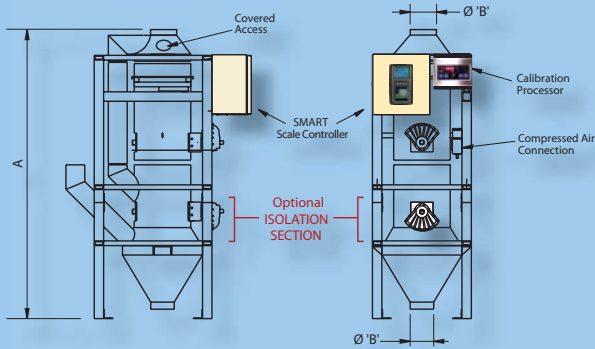
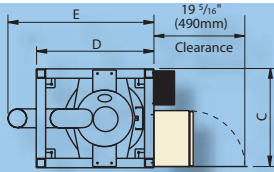


1055 INDUSTRY STREET
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SUMMATIC 36 Series

36 SUMAMATIC SERIES



Model		36S**	36SLS	36SL	36SXL
Maximum Capacity	ft ³ /hr	600	900	1800	4200
	m ³ /hr	17	26	51	119
Weigh Hopper Cap	ft ³	1.0	1.5	3.0	7.0
	l	28	42	85	198
Overall Height 'A'	in	49½	59	75¼	102½
	mm	1257	1500	1911	2604
Overall Height 'A'	in	61¾	71½	86¾	112¾
	mm	1565	1816	2191	2850
Inlet/Outlet	in	6	8	8	8
Diameter 'D'	mm	152	203	203	203
Width 'C'	in	25	27½	27½	30
	mm	635	699	699	762
Depth 'D' without	in	25	31¼	31¼	36¾
air isolation	mm	635	791	791	930
Depth 'E' with	in	31	37¾	37¾	43¾
air isolation — ISO	mm	787	956	956	1095
** Shown on Front With Air Isolation Option		Specifications Subject to Change			



Operation

The scale's weighing cycle begins by closing the gate. It then samples the increase in weight 10 times-per-second until the weight in the weigh hopper reaches the selected dump size. The scale then dumps the material. The complete cycle is precisely timed and the rate of accumulation of material is calculated from the numerous samples (weight readings) taken during the entire cycle to determine the flow rate. The accumulation rate applied to the overall cycle time determines the weight accumulation for the cycle.

General Specifications (all models) :

Accuracy
 Accuracy percentage 0.2%
 Indicator Resolution 10,000 displayed grads, 100,000 internal grads

Electrical

Voltage 110/220 VAC Power Required... 115 VA
 Frequency..... 50/60 Hz

Inputs/Outputs

Voltage 24VDC standard, 120 VAC optional
 Available Inputs..... downstream hold, remote stop/start
 Available Outputs.. alarm, batch target reached, pre-target, 4-20 mA, dump pulse, and centronics printer

Compressed Air (clean, dry)

Pressure 80 psi (5.5 Bar)
 Consumption..... 0.2 to 0.9 cfm (0.4 to 1.6 Nm³/h)

Aspiration

Pressure/Vacuum .. 0 inch water Null Point Connection (0kg/m²)
 Consumption..... 300 cfm (515 Nm³/h)

Communication

Networks Ethernet Modbus (Standard), DeviceNet, Profibus, Ethernet I/P.

OPC complete OPC server available for scale data and control via Windows applications

* Some I/O points are excluded with the addition of a network card

SCSG Controller

SMART Controller features include :

- ◆ Easy-to-read vacuum fluorescent display with written, not coded messages.
- ◆ Simultaneous displays for throughput rate, weight, production target, gate positions, and scale status.
- ◆ Custom name plate labeling for easy stream identification.
- ◆ Each unit is individually housed in a NEMA-4 panel box, mounted directly on the scale itself and may be moved to a remote location for convenience.
- ◆ Multi-language operator display. Change languages on-the-fly.
- ◆ Supplied with both 4-20 mA analog, and programmable digital pulse outputs. Optional fieldbus networks available.
- ◆ Outputs for Light, Horn, or PLC. Control signals for target reached and remote stop.

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