

Milltronics Millflo solids flowmeter is a low- to medium-capacity flowmeter for various product sizes, densities, and fluidities in restricted spaces. This low-cost, compact unit improves processing, increases operating efficiency, and helps to provide significant cost savings.

Operating with a microprocessor-based integrator package, the Millflo provides a display of flow rate, totalized flow and alarms. Outputs are 0/4 to 20mA proportional to rate, and open collector output for remote totalization.

Dry bulk solids enter the flowguide producing a mechanical deflection as they strike the flowmeter sensing plate before continuing through the process unhindered. A strain gauge load cell converts the horizontal force of the deflection into an electrical signal. The integrator processes this into a display of flow rate and integrated total weight. The process is immune to the effect of product build-up as only the horizontal force is measured.



Product Features

- Dust-tight continuous weighing
- Compact rugged design for restricted space installation
- Versatile application
- Low cost, high reliability
- Full scale flowrates from 1 to 230 t/h (1 to 250 STPH)
- Process temperatures to 65 °C (150 °F)

Technical Specifications

Inlet Size	Capacity Range	Particle Size
100 mm (4")	1 to 14 t/h (1 to 15 STPH)	6 mm (0.25")
150 mm (6")	4 to 35 t/h (4.38 to 38 STPH)	10 mm (0.38")
200 mm (8")	18 to 80 t/h (20 to 87 STPH)	10 mm (0.38")
250 mm (10")	45 to 135 t/h (49 to 147 STPH)	13 mm (0.5")
300 mm (12")	90 to 230 t/h (98 to 250 STPH)	13 mm (0.5")

Note: These figures are provided for information purposes only and cannot be used for official definitions. Capacity range may be limited by the bulk density of the product. Values above are based on a bulk density of 1.6 t/m³.

Construction

- painted mild steel, stainless steel sensing plate (other materials available upon request)
- stainless steel load cell

Maximum material temperature

- 65 °C (150 °F)

Type of materials measured

- fine powder to granules up to 13 mm (0.5")

Accuracy

- ±1 %, 33 to 100 % of maximum admissible flow rate
- extended accuracy range with linearization function of integrator

Non-repeatability

- 0.2 %

Integrator

- Milltronics SF 500

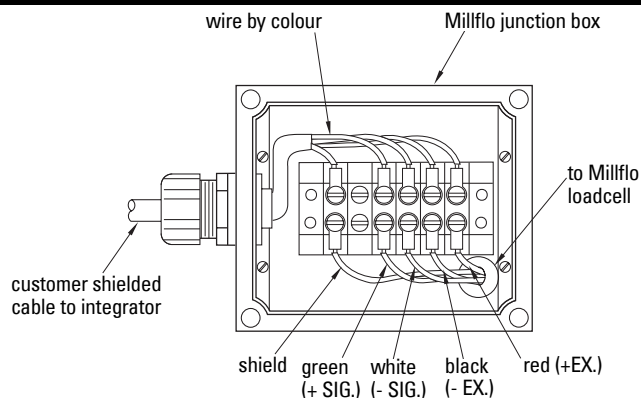
Hazardous locations

- with the use of intrinsically safe barrier strips

Approvals

- CE

Wiring



Options

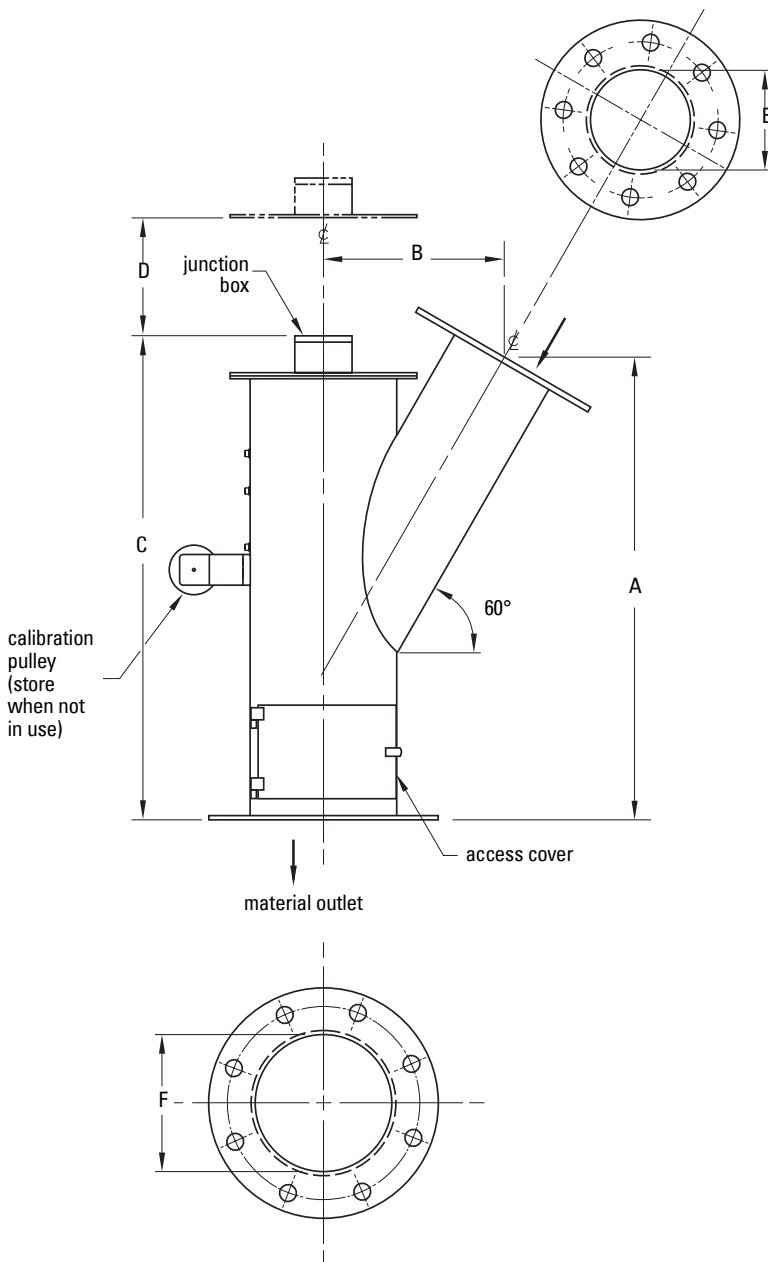
- All flowmeters (all sizes) are available in painted mild steel coated or stainless steel 304 (1.4306) or 316 (1.4404).
- ANSI or DIN flange patterns are available upon request.
- Internal sensing plate is available with abrasion resistant and non-stick coatings.

Specifications are subject to change without notice.

Milltronics Millflo

Dimensions

Size	Millflo Dimensions			ANSI			DIN	
	A	B	C	D	E	F	E	F
100 mm (4")	597 mm (23.5")	203 mm (8")	660 mm (26")	413 mm (16")	108 mm (4.26")	162 mm (6.36")	105 mm (4")	155 mm (6")
150 mm (6")	838 mm (33")	254 mm (10")	914 mm (36")	660 mm (26")	162 mm (6.38")	212 mm (8.33")	155 mm (6")	206 mm (8")
200 mm (8")	1168 mm (46")	356 mm (14")	1244 mm (49")	711 mm (28")	212 mm (8.33")	315 mm (12.39")	206 mm (8")	305 mm (12")
250 mm (10")	1321 mm (52")	406 mm (16")	1397 mm (55")	813 mm (32")	265 mm (10.42")	343 mm (13.5")	260 mm (10")	336 mm (13.2")
300 mm (12")	1575 mm (62")	483 mm (19")	1651 mm (65")	914 mm (36")	315 mm (12.39")	394 mm (15.5")	305 mm (12")	387 mm (15.2")



Installation

Dimension D denotes the amount of room necessary to remove the sensing plate for cleaning. Flanges are compatible with DIN 2566, 2581, 2632 or ANSI. The Millflo must be installed upright and level to within 1°.

For further dimensions, request drawings from your Siemens Milltronics representative.