

Site Survey – Drum Filling

Mettler Toledo
Consultative Systems and Services



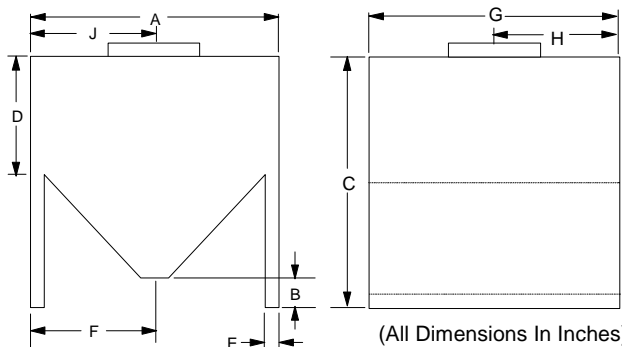
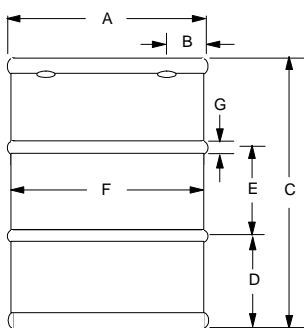
This form provides Mettler Toledo with essential information on your specific application. It enables us to determine the drum filling system most appropriate for your application. Please complete this application form with as much detail as possible. If you need assistance, please call: 1-800-786-5123.

Customer	Address
Mettler Toledo Sales Person	Customer Contact
Phone	e-mail
Date	Location

Drum - Tote: Size, Type, Fill Time

Enter dimensions and construction of the containers in the charts below. Include all container sizes to be filled by the drum filler.

If reconditioned containers are to be used, indicate the maximum dimensional variations expected. The chart asks for the minimum and maximum fill times. The most viscous material to be filled by the drum filler must be considered when entering the maximum fill time. **Note:** If containers differ in configuration from examples, submit specific drawings or samples.



DRUMS/PAILS

Drum Number	1	2	3	4
Size (Gallon - Liters)				
Open Top (Yes or No)				
Type: Metal, Fiber, Other				
New or Used Drum?				
Tabulated Dimensions (inches)				
A				
B				
C				
D				
E				
F				
G				
Bung Opening (Diameter)				
Minimum Fill Time (Sec.)				
Maximum Fill Time (Sec.)				
Requested Throughput Drums/Hr				
Drums on Pallet? (Yes/No)				
If Yes, Pallet Size				
Pallet Height:				
# of containers on Pallet:				

TOTES

Tote Number	1	2	3	4
A				
B				
C				
D				
E				
F				
G				
H				
J				
Bung Opening (Diameter)				
Size (Gallons/Liters)				
Minimum Fill Time (Sec.)				
Maximum Fill Time (Sec.)				
Requested Throughput Totes/Hr				
Totes on Pallet? (Yes/No)				
If Yes, Pallet Size				
Pallet Height:				
Is there any dead space in the tote? <input type="checkbox"/> Yes <input type="checkbox"/> No				
If yes, please indicate location on drawing				

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MATERIAL NAME(S) _____

Note: If exact minimum and maximum values are not known please approximate.

	Minimum	Maximum
Viscosity at filling temperature? (Centipoises or SSU)	_____	_____
Weight per gallon?	_____	_____
Specific Gravity?	_____	_____
Rate of flow (gals./min.)?	_____	_____
Material Temperature?	_____	_____

Will material "foam" when filling? Yes No
Is subsurface filling needed? Yes No
Is the material either toxic or caustic? Yes No
(If Yes, OSHA Hazardous Material Form must accompany order)

Will the material be used for human consumption and the lance wetted parts require 3A or FDA specifications? Yes No
Is the material corrosive? Yes No

If yes, what material is recommended for the wetted parts of the lance assembly? _____

316 stainless steel is the standard material for wetted parts piping system with Teflon seals. Standard lance structural parts & controller are 304 SS, scale base are made of cold rolled steel, painted black polyurethane enamel, 304 SS optional.

Provide any information on special characteristics of materials (i.e., hardens at ambient temperature, carcinogenic, explosive, etc.).

PRESSURE

Material pressure obtained by: Centrifugal pump
 Gravity pump Gear pump Diaphragm pump
 Other _____
Is material entrance pressure > 125psi? Yes No

Is recirculating line used with the pump? Yes No
Is compressed air available? Yes No
Is air pressure less than 80 psi? Yes No
Is an air dryer in use? Yes No

DRUMFILLER LOCATION

Will ambient temperature for the area of operation be less than 40 F?
 Yes No

Will ambient temperature for the area of operation be greater than 104 F?
 Yes No

Will drum filler controller be located in a corrosive or wash-down environment? Yes No If yes, indicate material construction preferred.

Carbon steel Stainless steel Other

Is this system using either a powered or roller conveyor? Yes No

If yes, give height of conveyor: _____

What is maximum ceiling height where the drum filler will be used

_____ VAC at _____ Hz

Is the drum filler to be located in a hazardous environment? Yes No

If yes, continue, otherwise go to the next section.

What is the class, division, group, and auto ignition temperature of the Lance/Scale location?

Class: 1, 2 Group: C, D, E, F, G

Division: 1, 2 AIT _____

What is the class, division, group, and auto ignition temperature of the Controller location?

Class: 1, 2 Group: C, D, E, F, G

Division: 1, 2 AIT _____

LANCE TYPE AND CONSTRUCTION

Some non-wetted parts of the lance assembly are made of bronze, aluminum, and neoprene.

Does product being filled, or its vapors, react with the materials? Yes No

ADDITIONAL INFORMATION - Provide any other information which may assist in applying the drum filler.