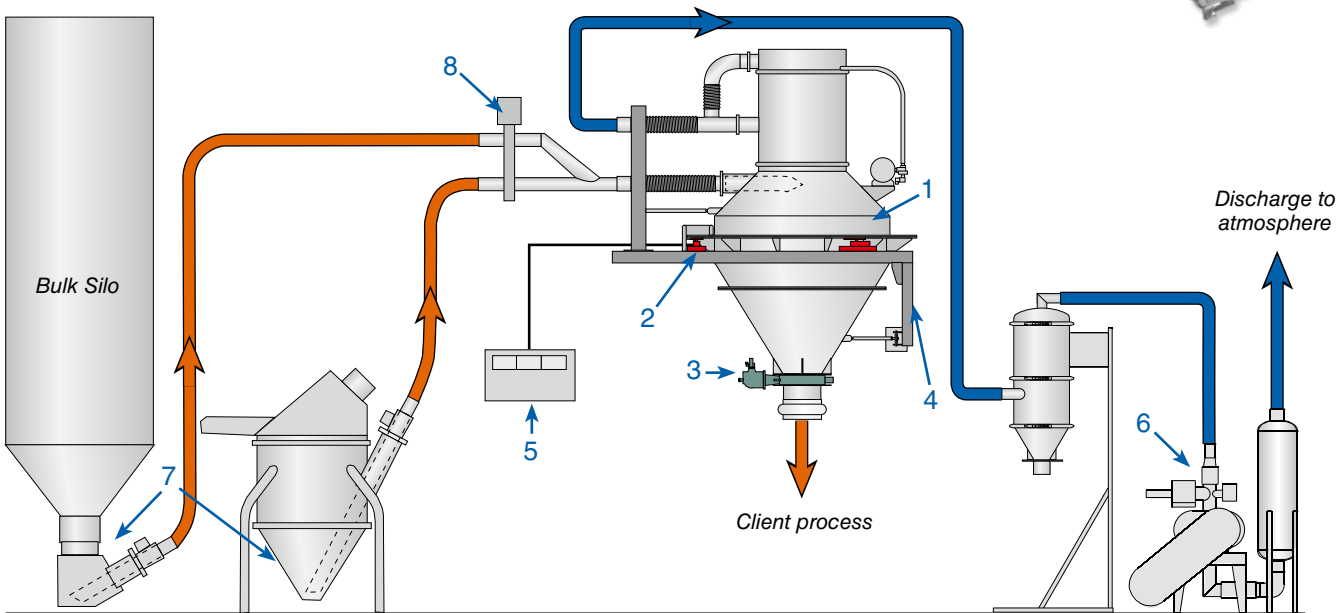
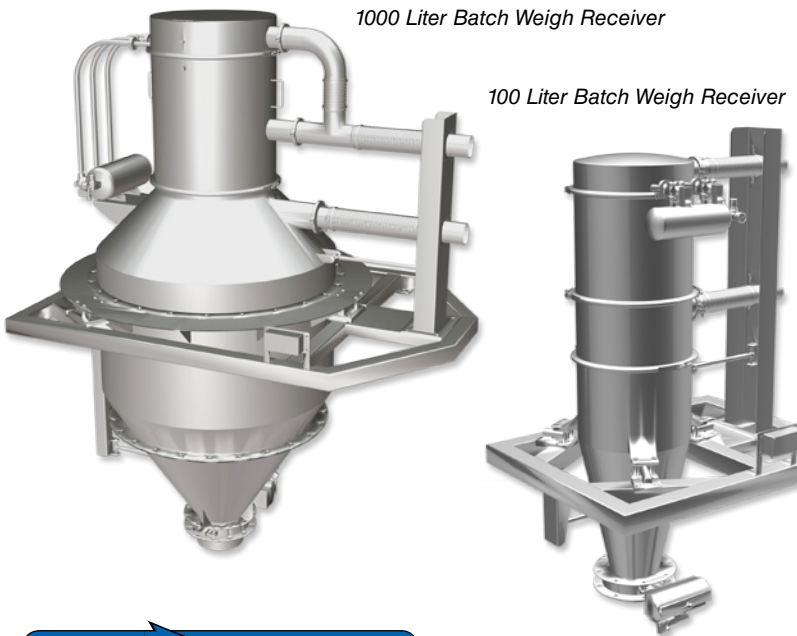


Multi Material Conveyor/Weigher

The Conveyor/Weigher package combines a vacuum receiver with a reliable weighing system. The resulting combination allows multiple ingredients to be conveyed and weighed so that accurate batching of ingredients can take place on either a cumulative or sequential basis:

- a) As a **Multi Material Batch Weigher** the unit accumulates an exact amount by weight of several ingredients (generally max. eight) to form a batch prior to loading a mixer.
- b) As a **Totalizing Weigher** the unit continuously monitors the throughput of a single material in a process or accurately fills a bulk container.



System Components

- 1 Vacuum receiver.....
- 2 Weighing System
- 3 Discharge valve.....
- 4 Weighing frame.....
- 5 Control panel.....
- 6 Vacuum power unit.....
- 7 Material pick-up.....
- 8 Material selection valves.....

Technical Specifications

- Stainless steel construction 316L, standard volumes from 100 to 1000 dm³ [3.5 to 35 ft³] with integral reverse jet filter and optional discharge aids
- Suspension system with three load cells with amplifiers
- Pneumatically actuated butterfly valve (fail safe)
- Painted mild steel or stainless steel construction available. Weighing frame includes stabilization bars
- PLC-based controller with 10" touchscreen display, recipe storage and stock control (inventory)
- Motor driven vacuum pump, sized according to application throughput and distance
- Material conveyed from silos, semi bulk or bag dump stations
- Air operated stainless steel ball valves

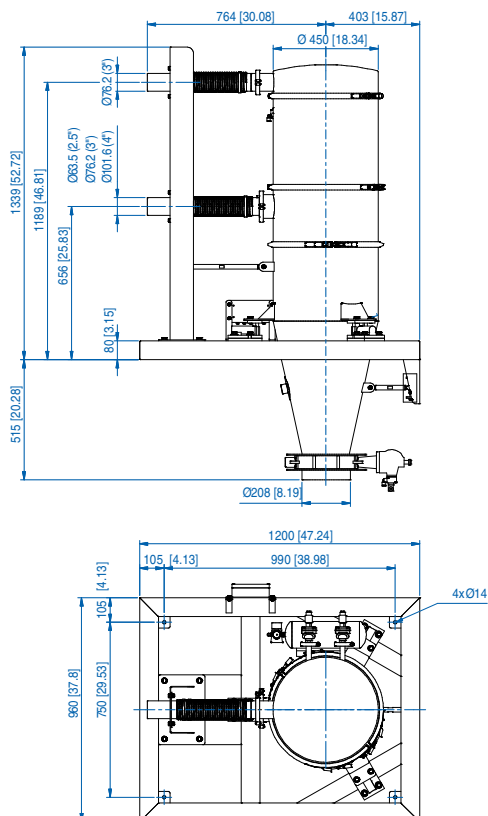
Standard Design Specifications

Batch accuracy.....	± 0.5% of full scale capacity		
Standard receiver volumes.....	100 dm ³ [3.5 ft ³], 500 dm ³ [17.7 ft ³], 1000 dm ³ [35 ft ³]		
Material of construction (receiver).....	316L stainless steel		
Surface finish (receiver).....	Electropolished		
Welds (receiver).....	Continuous as laid		
Weighing frame.....	Mild steel (painted, welds as layed) or SST 304		
Load cells.....	Specified based on application		
Load cell amplifier.....	4-20 mA output, suitable to interface with customer controls		
Reverse jet filter.....	Multi-cartridge, auto-clean, large area		
Discharge valve.....	Pneumatically operated butterfly valve with stainless steel disk		
Gaskets/seals.....	FDA compliant food quality		
Throughput ranges.....	Based on bulk density of 0.5 kg/dm ³ [31 lb/ft ³]		
	<i>receiver volume dm³ [ft³]</i>	<i>batch application kg/h [lb/h]</i>	<i>totalizing application kg/h [lb/h]</i>
	100 [3.5]	< 1500 [3300]	< 2000 [4400]
	500 [17.7]	< 3000 [6600]	CF
	1000 [35]	< 4000 [8800]	CF

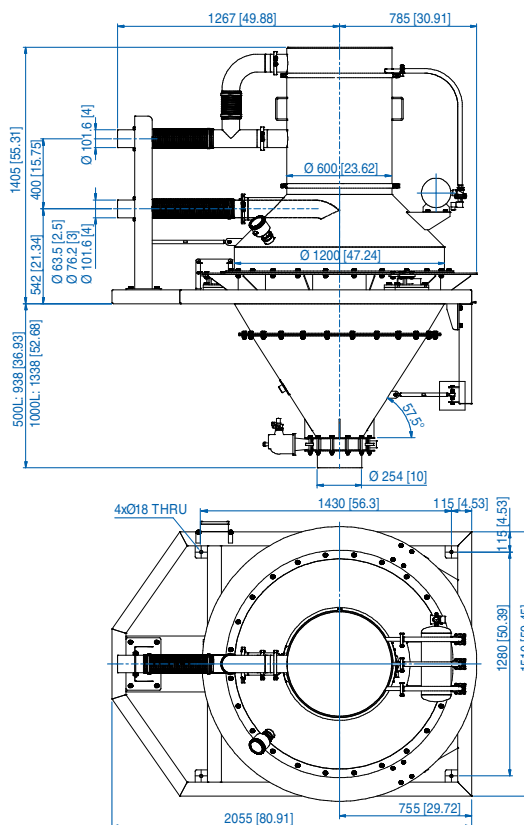
Options

Level sensors	Capacitive, tuning fork
Discharge aids	Fluidizing pads, vibration or fully fluidized cone
Hazardous locations.....	ATEX 3D / 1D / 1D (outside/inside/discharge), load cell amplifier to be mounted remotely. EU-Type Examination Certificate SEV 17 ATEX 0149 X NEC Contact factory

Dimensions 100 Liter Unit mm [in]



Dimensions 500/1000 Liter Units mm [in]



Caution: Measurements are for general reference only. Please consult dimensional drawing for exact measurements.