

Quantum Series

Gravimetric Blending Unit

Model Q12

Quantum embodies innovation that radically change the way injection molding machines and extruders are fed with blends of material (virgin, regrind, master batch and additives). These innovations contribute to increasing the efficiency of production, and feature improved design, innovative technologies and high performance components, which translate into concrete advantages for user. Quantum is utilized in all application environments such as Packaging, Automotive, Industrial and Electronics, Building and Construction, Textile, Furniture, Toys and Housewares, Medical and Pharmaceutical, Recycling and Compounds.

Standard Specifications & Features:

- Premium EVO Control
- On Board Mixer
- All Station Hoppers are Stainless Steel
- 0.53 Ft³ Stations
- Audible and Visual Alarm
- Self Calibration
- Mixer Level Sensor
- Dynamic Blending
- All Material are Dosed & Weighed
- Data Recording and Traceability
- Maximum of 6 Component
- Power; 220/1/60



**10" LCD Premium EVO
Touchscreen Interface**

Wf Winfactory 4.0
4.0 R E A D Y

F.A.C.S. 4.0 READY
Factory Acusition Control System



Piovan Group

TB--Quantum Blender

Rev: A-2

Effective Date: 05/10/2019

www.piovan.com



Model Q12

Application Options

- Additional Color Touch Screen "PREMIUM EVO" with 16 Ft. Cable
- Capacitive Level Sensor for Stations
- Pneumatic Bridge Breaker
- Remote Mixer RM5, with 30 Ft. Cable^[1]
- Remote Mixer RM5, with 65 Ft. Cable^[1]
- Auger for Micro Granule Less than \varnothing 1/32" ^{[2][3]}
- Auger for Regular Granule \varnothing 1/32" to 3/16" ^{[2][3]}
- Auger for Regrind Max \varnothing 5/16" ^{[2][3]}
- 0.46 Ft³ Station 1, 2, 3, 4, 5, and 6 S.S. Hopper, with Slide Gate

Configuration Options

- Material Discharge Valve per each Station
- Stand with Slide Gate, Bin 0.71 Ft³ (20 Lit), VTA2 \varnothing 2.0"

Accessories

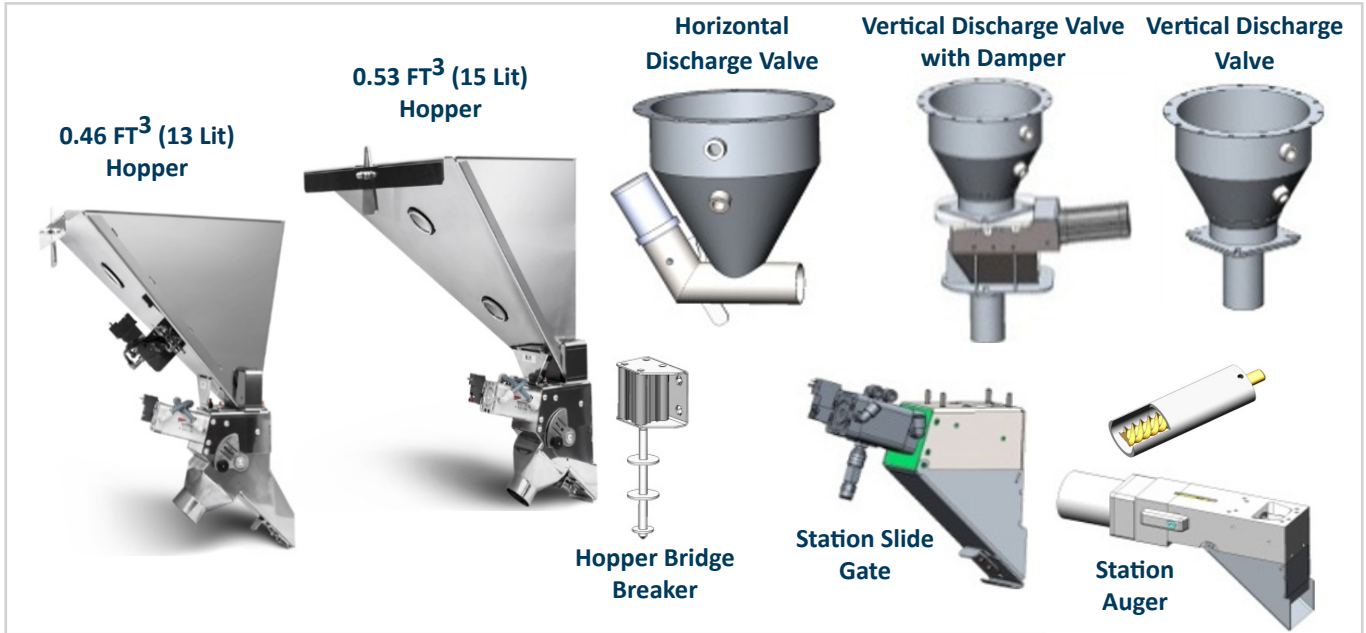
- Cover for Missing Stations

Mixer;

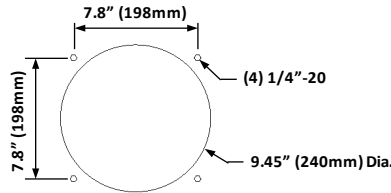
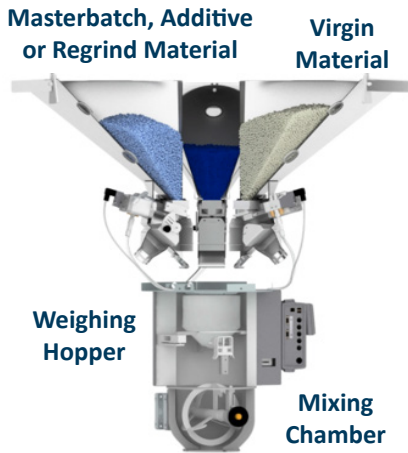
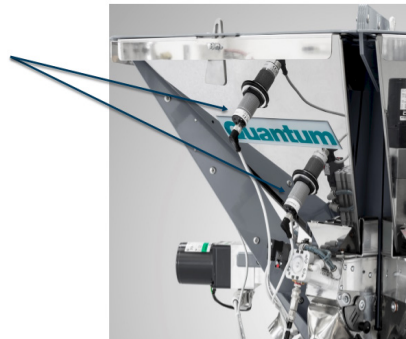
- Innovative Mixer Design
- Improved Homogeneity of Blend
- No Spillage, No Material Hang-up Points
- Simplified Cleaning Operation
- Suitable for all Materials
- Fully Stainless Steel Body and Mixer



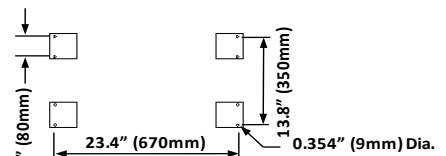
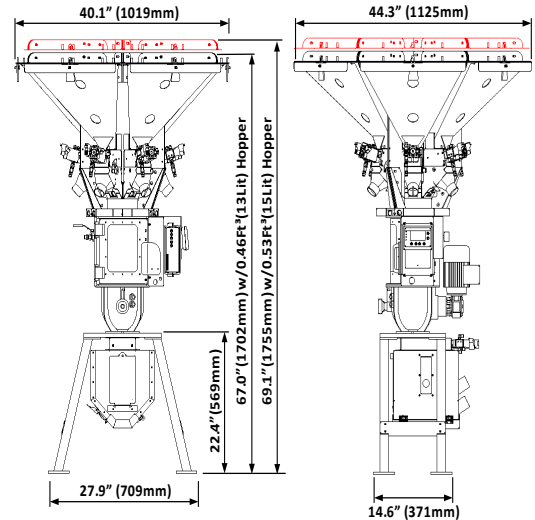
^[1]Replaces the on-board mixer. ^[2] Replaces slide gate. ^[3]Maximum of two augers per blender assembly



Dual Material Level Sensor for Re grind Material; determines the proportional variation of the Master-batch depending on the Quality of Re grind Present in the Hopper.



Loader Mounting Pattern



Blender Stand Mounting Pattern

Models		Q12
Max Throughput rate	lbs./h	264
	kg/h	120
Minimum Dosing-Standard Slide Gate Station	%	1
Dosing Range-Oversize Slide Gate Station	%	10-100
Capacity of the Dosing Station	Ft ³	0.46 - 0.53
Capacity of the Mixing Chamber	Ft ³	0.16
Batch Volume	Ft ³	0.08
Maximum Number of Slide Gate Stations	Qty.	6
Weight	Lbs.	220