



# BARRACUDA

Volumetric Auger Feeders

*The VeloDyne Barracuda Series volumetric feeders have proven in-field performance for two decades. Whether your material dictates a standard unit or a combination of our custom options, VeloDyne will help turn your production line into a Feeding Frenzy.*

## Key Features:

- Accurate, Repeatable Feed Rates
- Overwind Material Conditioner
- Simple Direct Drive Assembly Maximizes Reliability
- Standard Motor & Gearbox Reduces Lead Time
- Easy Tooling Change-Out Minimizes Down Time
- Rugged Stainless Steel Construction



VeloDyne's Barracuda incorporates advanced features to ensure less down time and optimized material handling. The Barracuda Feeder is able to handle a variety of materials in a small footprint providing a versatile solution to feeding your products. The utilization of direct drive creates a reduced mean time between failures through fewer moving parts (pulleys, chains or belts) and generates cost savings from accurate feed rates. The simple design allows the tooling to be removed with the turn of a wrench. Our overwind feature conditions the material to prevent feed issues found in other systems. The field-proven design of VeloDyne's Barracuda Volumetric Screw Feeder, along with VeloDyne's unmatched customer focus, provides the quality you expect when making the perfect feeder choice.

# VELODYNE

*A company driven to deliver the very best Polymer Blending, Chemical Feed, and Bulk Solids Handling Systems, fueled by constantly asking, "What If?"*

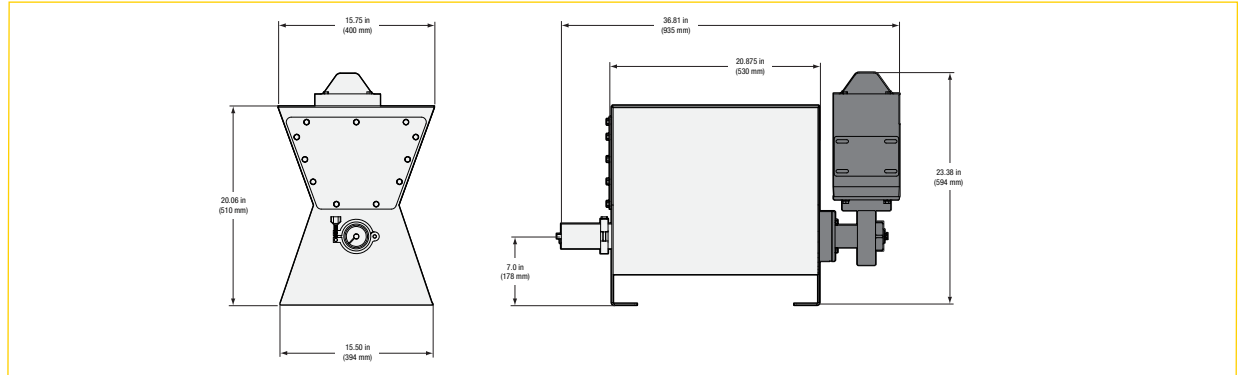


### BARRACUDA 1500A SPECIFICATIONS

Feed Rate Range:	0.02-15.2 Cubic Feet per Hour
Materials of Construction:	304 Stainless Steel
Integral Hopper:	1-½ Cubic Foot
Motor:	½ HP, 230/460 VAC, 3 Phase, 60 Hz, 140 TC Frame, TENV, 1750 RPM
Gear Reducer / Output Speed (max):	20:1 / 87.5 RPM

Standard Screw Dia.	1/2"	3/4"	1"	1-1/2"	2"
Standard Pitch	1/2"	1"	1 1/4"	2"	2"
Conveying Rate (Cu. Ft./Hr)	0.02-0.2	0.1-1.0	0.23-2.3	0.85-8.5	1.5-15.2
Standard Screw Length	24-5/16"				
Standard Spout Length	5" From Face of Feeder Body, Other Lengths are Available				

### BARRACUDA 1500A DIMENSIONS

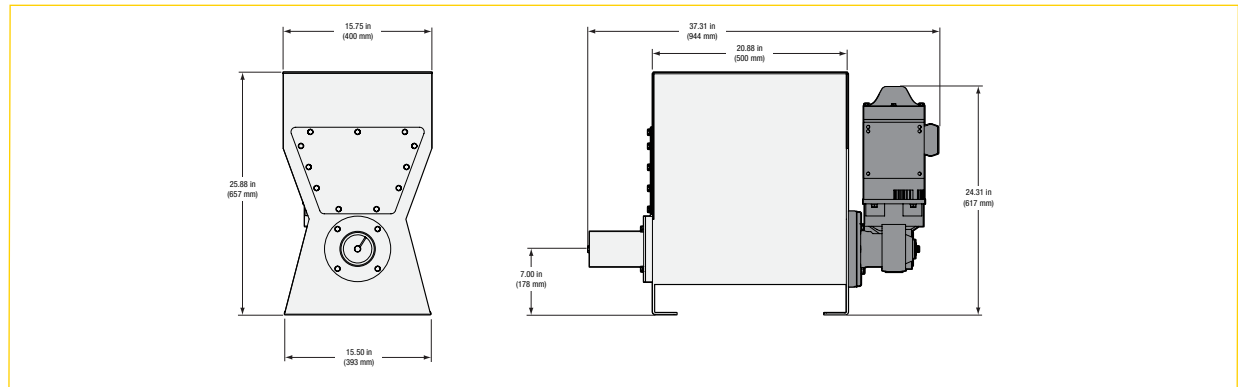


### BARRACUDA 3000A SPECIFICATIONS

Feed Rate Range:	1.5-120 Cubic Feet per Hour
Materials of Construction:	304 Stainless Steel
Integral Hopper:	3 Cubic Foot
Motor:	1½ HP, 230/460 VAC, 3 Phase, 60 Hz, 140 TC Frame, TENV, 1750 RPM
Gear Reducer / Output Speed (max):	20:1 / 87.5 RPM

Standard Screw Dia.	2"	2-1/2"	3"	3-1/4"	4"
Standard Pitch	2"	2-1/2"	3-1/2"	3-1/2"	4"
Conveying Rate (Cu. Ft./Hr)	1.5-15.2	2.9-29	6.2-62	7.2-72	12-120
Standard Screw Length	26-1/16"				
Standard Spout Length	6-3/4" From Face of Feeder Body, Other Lengths are Available				

### BARRACUDA 3000A DIMENSIONS





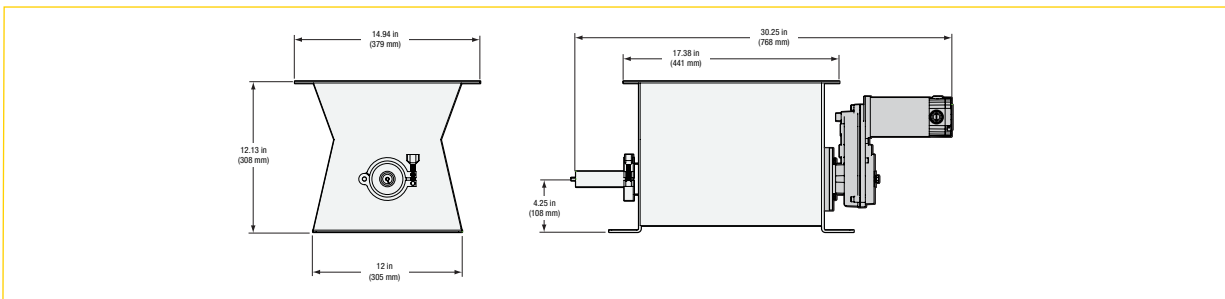
# SPECIALTY FEEDERS

## BARRACUDA 500A - COMPACT, LOW SPEED FEEDER SPECIFICATIONS

Feed Rate Range:	0.0016 - 1 Cubic Feet per Hour
Materials of Construction:	304 Stainless Steel
Integral Hopper:	½ Cubic Foot
Gear Reducer / Output Speed (max):	1/20 HP, 90 VDC, 284:1 Ratio, 6.3 RPM

Standard Screw Dia.	1/2"	3/4"	1"	1-1/2"	2"
Standard Pitch	1/2"	1"	1 1/4"	2"	2"
Conveying Rate (Cu. Ft./Hr)	0.0016-0.016	0.007-0.07	0.016-0.16	0.06-0.6	0.1-1
Standard Screw Length	18-3/16"				
Standard Spout Length	5" From Face of Feeder Body, Other Lengths are Available				

## BARRACUDA 500A DIMENSIONS

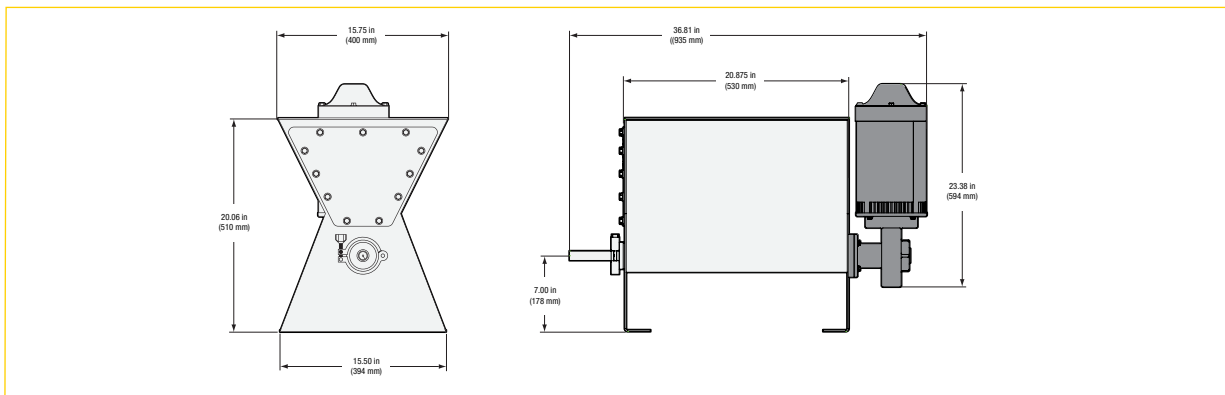


## BARRACUDA 1000A - CLOSE TOLERANCE, POTASSIUM PERMANGANATE FEEDER SPECIFICATIONS

Feed Rate Range:	0.02-15.2 Cubic Feet per Hour
Materials of Construction:	304 Stainless Steel
Integral Hopper:	1 Cubic Foot
Motor:	½ HP, 230/460 VAC, 3 Phase, 60 Hz, 56 C Frame, TENV, 1750 RPM
Gear Reducer / Output Speed (max):	20:1 / 87.5 RPM

Standard Screw Dia.	1/2"	3/4"	1"	1-1/2"	2"
Standard Pitch	1/2"	1"	1 1/4"	2"	2"
Conveying Rate (Cu. Ft./Hr)	0.02-0.2	0.1-1.0	0.23-2.3	0.85-8.5	1.5-15.2
Standard Screw Length	24-5/16"				
Standard Spout Length	5" From Face of Feeder Body, Other Lengths are Available				

## BARRACUDA 1000A DIMENSIONS



# Volumetric Auger Feeder

## ACCESSORY OPTIONS

- Custom Auger Sizes
- Overwind Conditioning Auger
- Vibrator & Timer Assembly
- Extension Hoppers
- Bag Dump Station
- Level Sensors
- Scale for Loss in Weight
- Feeder Stand
- Drop-Out Bottom Hopper

## CONTROL INTEGRATION

- VFD Controller (AC Motors)
- SCR Controller (DC Motors)
- Loss-In-Weight Control
- PLC, HMI, and PC Based Control Packages
- UL 508A Certified Panel
- CUL, CSA Option

## Extension Hopper



## Bag Dump Station



## Mobile Stand



## Augers & Overwinds



## Vibrator & Timer Assembly



## VFD Controller

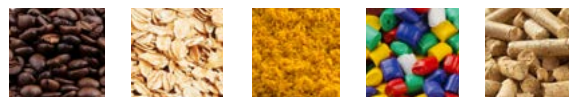


## Drop-Out Bottom Hopper



## Free Material Testing

VeloDyne's testing facility provides product testing to determine proper sizing and accessory options needed for unique applications.



[VeloDyneSystems.com](http://VeloDyneSystems.com)

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