



Description

The FORTA[®] Voyager bulk fiber dispensing system is used to add synthetic fiber reinforcement into an asphalt or concrete manufacturing process, or other process where synthetic fibers are required. The Voyager system reduces the opportunity for mistakes - set the feed rate or amount to dispense, fill the drum, and the Voyager accurately dispenses the fiber through discharge tubing directly to the entry point.

Visit our YouTube channel to see our dispensers in action!

Advantages

- Exceptional accuracy
- Easy to use
- Improves inventory tracking
- Dispenses most types of synthetic fiber
- Improves employee safety
- Reduces labor costs

Specifications

	Standard	Large
Voyager Unit		
Drum Capacity (by volume)	33 ft ³ (0.93 m ³)	53 ft ³ (1.5 m ³)
Feed Rate (min, max)	Dependent on type and length of fiber	
Dimensions (H x W x D)	6.75 x 6 x 4.1 ft (2.06 x 1.8 x 1.25 m)	7.75 x 6.33 x 4.5 ft (2.36 x 1.93 x 1.37 m)
Weight	495 lb (225 kg)	645 lb (293 kg)
Optional Trailer ¹		
Dimensions (H x W x L)	8 x 8 x 12 ft (2.44 x 2.44 x 3.66 m)	N/A
Weight	3,290 lb (1,492 kg)	N/A
Discharge Tube		
Maximum Total Length²	50 ft (15.25 m)	
Diameter	4 in (101.6 mm)	5.5 in (140 mm)
Utilities Required for Operation		
Electrical	480 VAC, 3 Ph Y, 60 Hz, 15 A	

1. For Mobile systems only. Trailer purchased from FORTA Corporation. Weight includes all equipment.

2. Maximum total length of discharge tubing between the Voyager and point-of-use without loss in system performance. It must include all vertical and horizontal runs. Some static-resistant tubing is provided with the system.

Options

Operating Configuration:

- Batch Feed Model - Operates at a fixed feed rate until a user-defined amount of fiber has been dispensed. Batch feed models are **typically** used for a **concrete** manufacturing process.
- Continuous Feed Model - Operates continuously at a user-defined feed rate. The system constantly monitors the feed rate and makes adjustments to the drum speed as needed to maintain that feed rate throughout the job. Continuous feed models are **typically** used for an **asphalt** manufacturing process.

Installation Configuration:

- Stationary - installation in a plant or other facility*
- Mobile - installation in a completely enclosed mobile trailer*

Drum Capacity:

- Standard
- Large (not available for mobile units)

* The Voyager system must be enclosed.

Load Weighing System - Continuous Feed Model

Traditional calibration of a weighing system uses certified test weights. Our electronic calibration allows the Voyager's weighing system to be calibrated without the need for test weights. Calibration can be performed by the customer following the recommended procedure provided in the Voyager's Operating Instructions. The Voyager's weighing system consists of four load cells, a junction box, interconnect cables, and the rate controller. Each individual load cell's characteristics (sensitivity values) are measured on National Institute of Standards and Technology (NIST) traceable test devices and electronically recorded on an internal memory device when the load cell is manufactured. Each load cell's sensitivity value is accurate to five significant digits. The electronic calibration system uses these parameters, the load cells' characteristics and a reference point (0,0) to calibrate the weighing system.

On startup, the rate controller polls the load cell network and compares the load cell serial numbers to check if there were any hardware changes since the last calibration. If the system detects an issue with one or more of the load cells at any time, it will indicate a fault.

Limited Warranty

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The exclusive remedy for defective product is outlined in FORTA's Standard Terms and Conditions of Sale, available upon request. CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.

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