



# OWNER'S MANUAL

Version 01 | 05/08/2025  
66FBX-MAN-EN

## GLASS BEAD FILTRATION SYSTEM





## Introduction

Thank you for choosing the glass bead filter from CDL Maple Sugaring Equipment. We are proud to offer you high-quality products designed to meet the demanding needs of the maple sugaring industry. This user manual has been created to help you get the most out of your equipment by providing clear and detailed instructions for installation, operation, and storage.

## Models and Specifications

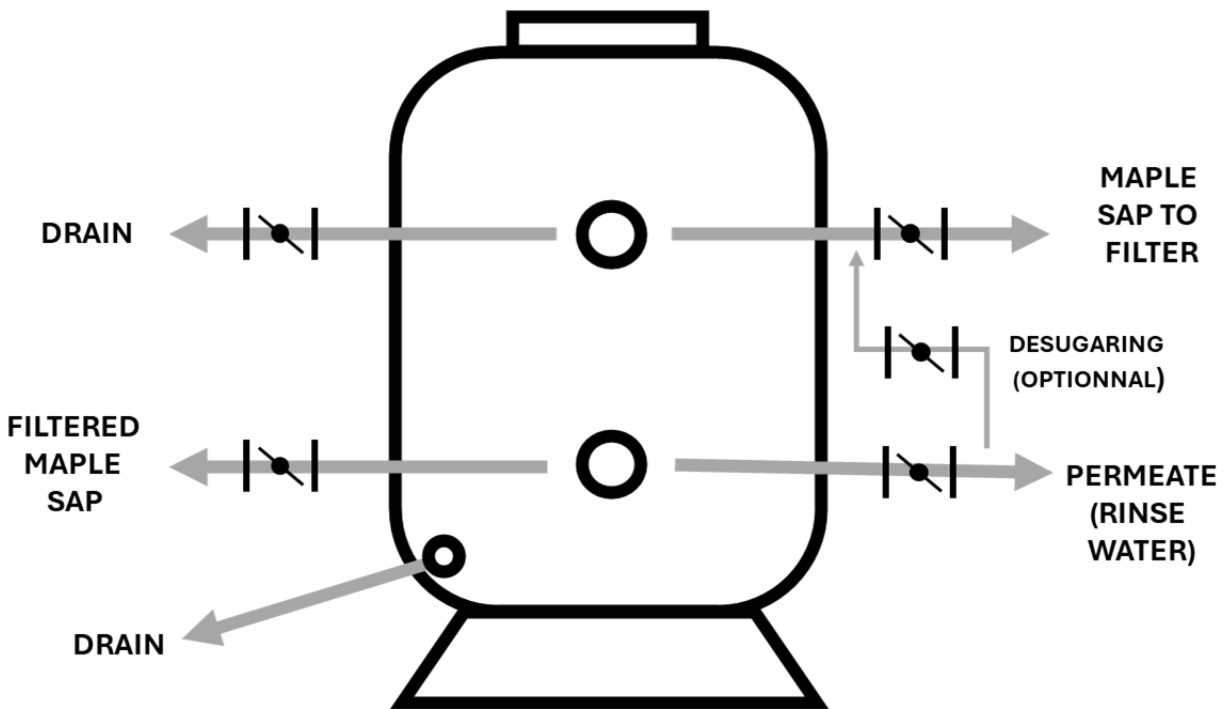
Stock Code	66FB83	66FB167
Capacity	83 GPM	167 GPM
Dimensions (inches)	36 x 36 x 40	48 x 48 x 52
Diameter (inches)	27.6	39.4
Filtration surface (in <sup>2</sup> )	542.5	1209
Ferrule size (inches)	1.5	2
Glass Beads Qty (kg)	200	500
Number of Bags (Units)	8	20
Required Media	MEDIA BEAD BAG 0.5 TO 0.8 MM 25 KG #66FBS25	MEDIA BEAD BAG 0.5 TO 0.8 MM 25 KG #66FBS25
Required Pump (HP)	3HP 2ST 230V 1PH – 669021 230V/460V 3PH – Upon Request 575V 3PH - 669037	5HP 3ST 230V 1PH – 669042 230V/460V 3PH – 669043 575V 3PH – Upon Request

## Components

Included Components	Non-Included (Required) Components
1 stainless steel filter	Glass beads #66FBS25
1 strainer with internal plumbing	External plumbing
1 lid with bolts	Valves
1 inlet and 1 outlet	Feed pump
1 drain valve	
1 pressure gauge	

## Installation

1. **Position** the filter in the desired location, on a stable and accessible surface for maintenance.
2. **Connect the plumbing** according to the intended use. A minimum of **four butterfly valves** is required.
  - Also install the pressure gauge (included) on the top lid of the filter.
3. **Add the filter media** (recommended reference: **CDL 66FBS25**) through the top lid opening, then securely close the lid.
4. **Rinse the system** for 5 to 10 minutes.
  - To do this, set the valves to **"Filtration"** mode and circulate permeate through the filter.
5. Once rinsing is complete, **the filter is ready for use.**

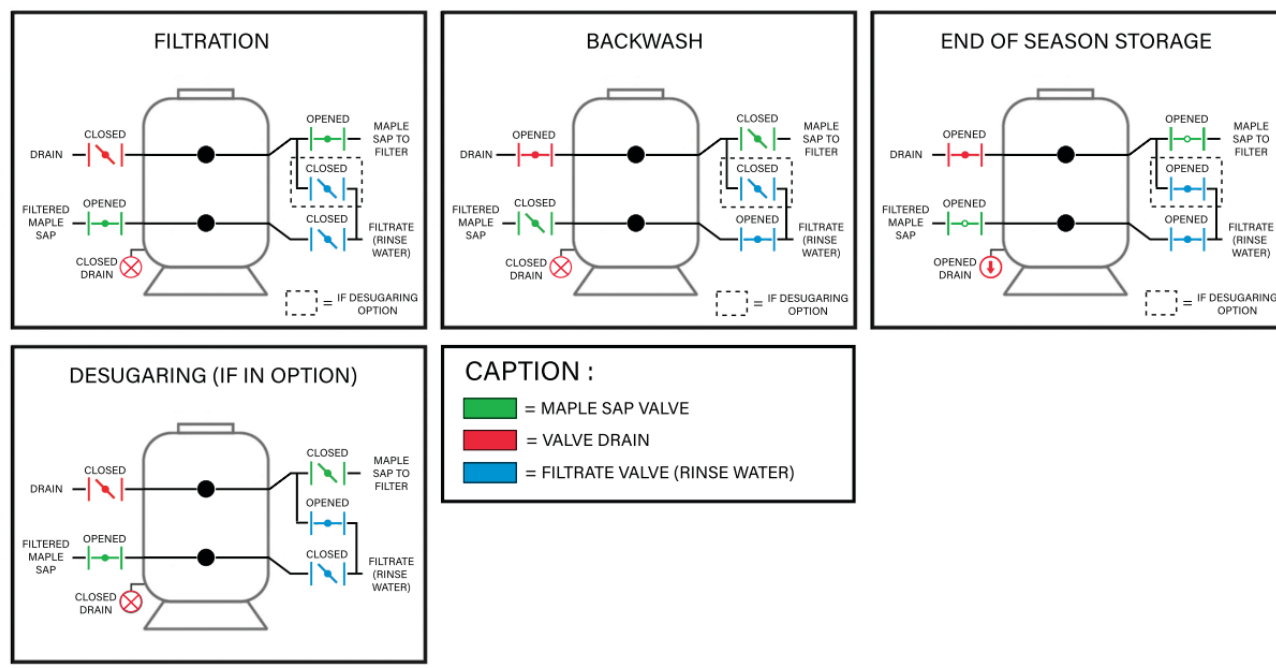


## Operation

Refer to the valve positions for each operation sequence.

- If the pressure increases by 5 to 7 PSI above the starting pressure, it is time to perform a backwash.
- It is recommended to perform a "sugar rinse" before the backwash.
- Clean the system regularly – **Maximum pressure: 40 PSI**
- **Always stop the pump between each operation mode.**
- **Maximum pressure: 40 PSI**

## VALVES POSITIONING ACCORDING TO THE BEAD FILTER USE METHOD



## Storage

1. Perform a **rinse cycle** for 5 to 10 minutes.
2. Set the valves to the **"End-of-season storage"** mode.
3. Keep the system **protected from freezing**.

## Warranty

This CDL glass bead filter is offered with a 2-year (two consecutive sugaring seasons) limited warranty against any manufacturing defects at a service center. Breakages related to frost, wear, abuse, poor maintenance or abnormal use are not covered.

This warranty covers only this equipment. CDL isn't responsible for product lost and any other damages that may result from the use of this product. This warranty will not cover products whose installations do not comply with the installation instructions in the CDL manual and whose use has been made under abnormal mechanical or environmental conditions.

Parts found to be defective are subject to inspection by CDL which will confirm or deny that said product is subject to a manufacturing defect. If so, the product will be replaced or repaired at CDL's sole discretion.

### Transport Costs

Transport costs and all other freight charges associated with replacing or repairing products shipped to CDL's factory must be prepaid by customer.

For technical assistance or support, contact your CDL representative, your local CDL store, or the CDL technical support team.

**CDL Sugaring Equipment Inc.**

257, route 279  
Saint-Lazare-de-Bellechasse (Québec)  
G0R 3J0, Canada  
418 883-5158 | 1 800 361-5158  
cdlinc.ca

**CDL USA**

3 Lemnah Drive  
St. Albans VT 05478  
United States  
802-527-0000 | 1-800-762-5587  
cdlusa.com