

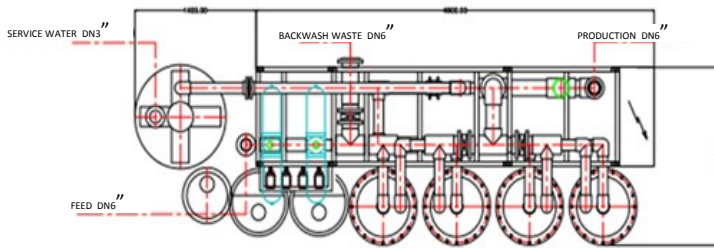


## C<sup>2</sup>-UF 400 System Specification Sheet

The C<sup>2</sup>-UF product line from Clean Membranes offers the world's most compact, packaged ultrafiltration (UF) systems. The integrated, highly innovative **Gigamem<sup>®</sup> UF240** module from Polymem contains a large membrane surface area within a remarkably small footprint.

The 24" OD **Gigamem<sup>®</sup> UF240** module houses **52 individually replaceable fiber bundles** for a total of 5,813 ft<sup>2</sup> of membrane surface area. **Gigamem<sup>®</sup> UF240** modules operate in outside-in, dead-end filtration mode. Each bundle can be independently installed, inspected, repaired, or removed if necessary, thereby overcoming the complications typically associated with large filtration modules.

The C<sup>2</sup>-UF 400 is a partially skid-mounted treatment system with four free-standing modules; it requires only electricity, water connections, air, and a backwash tank in order to operate. The C<sup>2</sup>-UF 400 can be optionally designed to operate without a separate backwash tank in space-limited areas.



Schematic of the C<sup>2</sup>-UF 400 system with four Gigamem<sup>®</sup> UF240 modules.

### C<sup>2</sup>-UF 400 System Connections

Key Tie-In Points	Line Size
1 Inlet (Feed)	DN6"
2 Outlet (Filtrate)	DN6"
3 BW Waste	DN6"
4 Drain (Waste)	DN3"

### C<sup>2</sup>-UF 400 System Dimensions

Length	246"
Width	108"
Height	118"

All dimensions in this table are approximate.

Contact Clean Membranes for more information.

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The C<sup>2</sup>-UF 400 system features four of Polymem's compact Gigamem<sup>®</sup> UF240 modules.

### C<sup>2</sup>-UF 400 System

Max. Instantaneous Flow Rate	570 gpm*
Max. Daily Production	750,000 gallons*
Max. Inlet Pressure	58 psi
Max. Backwash Pressure	36.2 psi
Max. Filtration TMP	21.7 psi
Operating Temperature	32-104 °F
Cleaning pH Range (CEB & CIP)	2-11
Membrane Material	Neophil <sup>™</sup> PVDF
Pore Size (nominal)	0.025 μm
Power Supply	460 VAC, 3-phase
Cleaning Chemicals	NaOCl, acid, base
Cleaning Frequency	Water quality dependent*

\*Production, cleaning frequency, and cleaning protocol will vary based upon operating conditions. See operating manual for additional information.

### Membrane Performance

Outlet Turbidity	< 0.1 NTU
Outlet SDI <sub>15</sub>	<< 3
Bacteria Reduction	> 6 log
Virus Reduction	> 3 log