Product Data Sheet
P series | Pressurized PVDF UF Module

DuPont™ IntegraTec™ XP 51

Modules for Open Platform

(previously DuPont™ IntegraFlux™ SFD-2860XP)



Key Features

Proven XP™ Hydrophilic PVDF Fiber:

- Superior fouling and chlorine resistance.
- High colloidal particulate, bacteria, and virus log removal rate.
- Excellent filtration permeability.
- Easy cleaning and wettability.

Optimized Module Design:

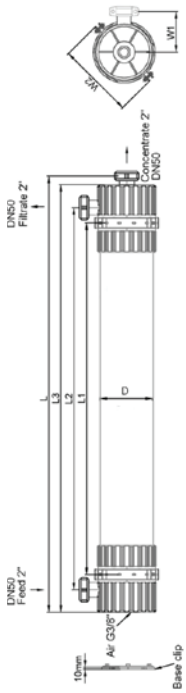
- Open platform design to fit customer built skids.
- Short module design to suit height restricted or containerized installation.
- High operation recovery with high air scouring tolerance.
- Reduced chemical consumption with maintenance cleanings protocol.
- Robust materials for long lifetime.
- Easy installation and low maintenance.

Key Applications

High recovery, height restricted or containerized filtration in:

- Municipal drinking water.
- Industrial utility water.
- Industrial wastewater reuse.
- Municipal wastewater filtration.
- RO pretreatment.





Module Specification

General		
Part No / GMID	12091625	
Mode of Filtration	Out-In Pressurized	
Membrane Type	Hollow fiber	
Membrane Material	PVDF (Polyvinylidene Fluoride)	
Membrane Pore Size	Approx. 0.03 µm	
Module Operating Process	Dead-end	
Other Wetted Module Components	Polyurethane, polyethylene, and polyamide	
Dimensions		
Active Membrane Area	51 m²	549 ft²
Module Length Overall (L)	1,863 ± 3.0 mm	73.3 ± 0.1 inch
Module Length (L1)	1,500 ± 1.5 mm	59.1 ± 0.1 inch
Module Length (L2)	1,633 ± 3.0 mm	64.3 ± 0.1 inch
Module Length (L3)	1,823 ± 3.0 mm	71.8 ± 0.1 inch
Module Diameter (D)	225 mm	8.9 inch
Module Width (W1)	180 mm	7.1 inch
Module Width (W2)	342 mm	13.5 inch
Feed / Filtrate port DN50 (F)	51 mm	2.0 inch
Weight and Volume		
Shipping Weight	60 kg	132 lbs.
Weight Empty	48 kg	106 lbs.
Weight Filled	83 kg	183 lbs.
Hold-Up Volume Feed (Clean-In-Place = CIP)	30 L	7.9 gal
Hold-Up Volume Membrane Structure (CIP)	9 L	2.4 gal
Hold-Up Volume Filtrate (CIP)	8 L	2.1 gal

NSF
Certified to NSF/ANSI/CAN 61

Form No. 45-D01048-en, Rev. 8
January 2025

Suggested Operating Conditions

General	Details	
Operating Temperature Range	1 - 40 °C	34 - 104 °F
Operating pH	2 - 11	
Cleaning pH	2 - 12	
Typical Filtration Trans-Membrane Pressure (TMP)	0.4 - 1.5 bar	5.8 - 21.8 psi
Typical Backwash TMP	0.6 - 2.0 bar	8.7 - 29.0 psi
Backwash Type	Air scour with liquid backwash	
Backwash Flux	100 L/(m²h)	58.8 gfd
Backwash Flow	5.1 m³/h	22.4 gpm
Operating Limits (Maximum)		
Rate of Pressure Change	0.5 bar/sec	7.3 psi/sec
Inlet Pressure	6.25 bar (at 20 °C)	90.7 psi
Filtration TMP	2.1 bar	30.5 psi
Backwash TMP	2.5 bar	36 psi
Filtration Flux	110 L/(m²h)	64.5 gfd
Filtration Flow	5.6 m³/h	24.8 gpm
Backwash Flux	120 L/(m²h)	70.6 gfd
Particle Size	300 µm	
Exposure NaOCl	≤ 1,500,000 ppm x h	
Recommended max. instantaneous exposure NaOCl	2,000 ppm	

General Information

- Avoid any abrupt pressure variations during start-up, operation, shutdown, cleaning or other sequences to prevent possible membrane damage. The maximum pressure change allowable is 0.5 bar/s.
- For assembly please refer to the latest version of the DuPont™ IntegraTec™ PVDF-UF Out-In P Series Modules for Open Platforms Assembly Manual (Form No. 45-D02507-en).
- If operating limits and guidelines given in this document are not strictly followed, any warranty will be null and void.
- To control biological growth during extended system shutdowns, storage solution has to be introduced into the membrane modules.

Regulatory Note

- Certified drinking water modules require specific conditioning procedures prior to producing potable water. For operating parameters, please refer to the DuPont™ IntegraTec™ P Series PVDF-UF Out-In Process and Design Manual (Form No. 45-D00874-en).
- Drinking water modules may be subjected to additional regulatory restrictions in some countries. Please check local regulatory guidelines and application status before use.
- Flushing needs to be done according to the DuPont™ IntegraTec™ PVDF-UF Out-In P Series Modules for Open Platforms Assembly Manual (Form No. 45-D02507-en).

DUPONT

Have a question? Contact us at:
dupont.com/water/contact-us

All information set forth herein is for informational purposes only. This information is general information and may differ from that based on actual conditions. Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries. Please note that physical properties may vary depending on certain conditions and while operating conditions stated in this document are intended to lengthen product lifespan and/or improve product performance, it will ultimately depend on actual circumstances and is in no event a guarantee of achieving any specific results. DUPONT ASSUMES NO OBLIGATION OR LIABILITY FOR THE INFORMATION IN THIS DOCUMENT. References to "DuPont" or the "Company" mean the DuPont legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. No freedom from infringement of any patent or trademark owned by DuPont or others is to be inferred.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, ℠ or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2025 DuPont. All rights reserved

Form No. 45-D01048-en, Rev. 8
January 2025