DuPont™ TapTec™ PES-UF Modules

Modules for Open Platform

(previously dizzer™ P)

Key Features

Proven Multibore™ PES Fibers:

- Exceptional physical strength and chemical resistance.
- High colloidal particulate, bacteria and virus log removal rate.
- Excellent filtration permeability.

Optimized Module Design:

- Fitting in standard pressure vessels.

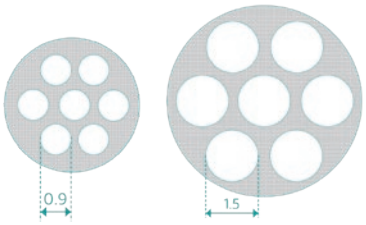
Key Applications

- Commercial.
- Residential.



Module Specification

General	
Mode of Filtration	In-Out Pressurized
Membrane Type	Multibore™
Membrane Material	PESm
Nominal Membrane Pore Size	0.02 µm
Module Operating Process	Dead-end
Housing Material	PVC-U white
Filtrate tube	PVC-U white



Certified to NSF/ANSI/CAN 61 & NSF/ANSI 419

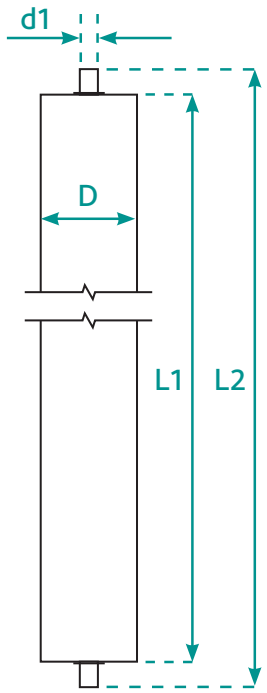
powered by inge heart of pure water a DuPont brand

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Dimensions			DuPont™ TapTec™											
			P 2514-0.5		P 2521-1.0		P 4021-2.5		P 4040-6.0		P 4021-1.8		P 4040-4.0	
Membrane Type			Multibore™ 0.9								Multibore™ 1.5			
Part Number / GMID [1]			IN-0046 / 12068632		IN-0047 / 12068633		IN-0048 / 12071512		IN-0049 / 12071513		IN-0050 / 12071514		IN-0051 / 12071515	
Active Membrane Area	m^2	ft^2	0.5	5.4	1.0	10.8	2.5	26.9	6.0	64.6	1.8	19.4	4.0	43.0
Module Length (L1)	mm	inch	300	11.8	475	18.7	475	18.7	960	37.8	475	18.7	960	37.8
Module Length with Filtrate Connectors (L2)	mm	inch	356	14.0	531	20.9	531	20.9	1016	40.0	531	20.9	1016	40.0
Module Diameter (D)	mm	inch	61	2.4	61	2.4	100	3.9	100	3.9	100	3.9	100	3.9
Outer Diameter Filtrate Connector (d1)	mm	inch	19	0.75	19	0.75	19	0.75	19	0.75	19	0.75	19	0.75
Weight and Volume														
Shipping Weight	kg	lbs.	0.8	1.8	1.1	2.4	2.6	5.7	4.8	10.6	1.8	4.0	3.3	7.3
Filtrate connector set type [2]			FC 25 Multi				FC 40 Multi							

Suggested Operating Conditions

General	Details	
Operating Temperature Range	1 - 40 °C	34 - 104 °F
Operating pH	3 - 11	
Cleaning pH	1 - 13	
Typical Filtration Trans-Membrane Pressure (TMP)	0.1 - 0.6 bar	1.5 - 8.7 psi
Typical Backwash TMP	0.3 - 2.0 bar	4.4 - 29.0 psi
Backwash Flux	230 L/(m^2h)	135 gfd
Backwash Flow	0.12 - 1.38 m^3h	0.51 - 6.01 gpm
Operating Limits (Maximum)		
Rate of Temperature Change	5 °C/min	9 °F/min
Rate of Pressure Change	0.5 bar/sec	7.3 psi/sec
Filtration TMP	1.5 bar	22 psi
Backwash TMP	3.0 bar	44 psi
Filtration Flux	180 L/(m^2h)	106 gfd
Filtration Flow	0.09 - 1.08 m^3h	0.40 - 4.76 gpm
Backwash Flux	300 L/(m^2h)	176 gfd
Particle Size	300 µm	
Exposure NaOCl	≤ 250,000 ppm x h (at pH ≥ 9.5)	
Concentration NaOCl	500 ppm	



Filtrate Connector Set Characteristics

General	FC 25 Multi	FC 40 Multi
Filtrate connector	PVC-U white	
Filtrate connector O-ring	Peroxide-cured EPDM	
Part number / GMID [2]	EP-0121	EP-0114
Set content	2 Filtrate connectors 4 O-rings	
Shipping Weight	27 g (0.06 lbs.)	39 g (0.09 lbs.)



1. Part number / GMID for one (1) module only.
   Modules for installation in standard end-ported pressure vessels.

   Recommended pressure vessels:

   2.5": ROPV R2514B300E or R2521B300E,

   4.0": ROPV R4021A300E or R4040A300E
   INAQUA 4E300N.21 or 4E300N.40.
   AppMem PV4040P.

   The use of the modules in pressure vessels other than those recommended may require adaptation or may not be feasible.

2. Part number / GMID for one (1) filtrate connector set as described. Filtrate connector sets to be ordered separately with each module.

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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 DuPont™ TapTec™ Commercial and Residential PES-UF Series Modules Assembly Manual (Form No. 45-D03450-en). [1]
- If operating limits and guidelines given in this bulletin are not strictly followed, any warranty will be null and void.
- To control biological growth during extended system shutdowns, a storage solution must be introduced into the membrane modules. Detailed information is given in the DuPont™ IntegraTec™ Pressurized UF In-Out Module Preservation Instruction Manual (Form No. 45-D02946-en).

1. Please contact your sales representative and request the latest version of the manual

Regulatory Note

- Certified drinking water modules require specific conditioning procedures prior to producing potable water. For operating parameters, please refer to DuPont™ IntegraTec™ Pressurized UF In-Out P Series Process and Design Guidelines (Form No. 45-D02234-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™ Pressurized UF In-Out Module Rinsing Procedure (Form No. 45-D02947-en).

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

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