SEPAREL Hollow Fiber Membrane Modules

who can degas inkjet ink
with unmatched hollow fiber
technology?

you can.

working for you.

SunChemical®
a member of the DIC group
Color & Comfort

DIC's Hollow Fiber Membrane Modules for Inkjet Ink Degasification

PF-Series							
Model	Supported Flow Rate		Dimensions	Pressure Resistance	Operating Temp.	Connection	
	ml/min	L/hr	mm	MPa	ºC	Liquid	Vacuum
PF-001D	10 - 1,000	0.6 - 60	60ϕ×140	0.3	2 - 40	Rc 1/4	ϕ6 tube
PF-004D	50 - 3,000	3 - 180	99ϕ×260	0.3	2 - 40	Rc 3/8	ϕ6 tube

EF-Series (Small)							
Model	Supported Flow Rate		Dimensions	Pressure Resistance	Operating Temp.	Connection	
	ml/min	L/hr	mm	MPa	ºC	Liquid	Vacuum
EF-MICRO	0.5 - 10	0.03 - 0.6	22ϕ×94	0.2	2 - 40	Luer	Luer
EF-G2	1 - 60	0.06 - 3.6	26ϕ×115	0.2	2 - 40	Rc 1/8	Rc 1/8
EF-G3	5 - 300	0.3 - 18	43ϕ×131	0.2	2 - 40	Rc 1/8	Rc 1/8
EF-G5	10 - 1,500	0.6 - 90	60ϕ×140	0.2	2 - 40	Rc 1/4	Rc 1/4

EF-Series							
Model	Supported Flow Rate		Dimensions	Pressure Resistance	Operating Temp.	Connection	
	ml/min	L/hr	mm	MPa	ºC	Liquid	Vacuum
EF-002A	100 - 4,000	6 - 300	109ϕ×182	0.3	2 - 40	Rc 3/8	Rp 1/4
EF-010G	100 - 10,000	6 - 600	170ϕ×430	0.5	2 - 40	Rc 1	Rc 1/2
EF-020G	100 - 20,000	6 - 1,200	170ϕ×880	0.5	2 - 40	Rc 1	Rc 1/2

Key Attributes and Benefits:

- SEPAREL modules from the DIC Corporation support inline degasification of ink within all sizes of inkjet printers
- DIC's proprietary hollow fiber membrane expands the interfacial area between gas and inkjet ink to provide unmatched degassing performance
- Unlike traditional microfiltration membranes, the hollow fiber membrane significantly reduces inkjet ink evaporation during degasification
- SEPAREL modules can degasify inkjet ink at any ppb level
- Samples are available for testing

Major Applications:

- Removal of gas bubbles in ink lines to ensure consistently smooth printing
- Reduced substrate waste through cleaner printing
- Diminished ink waste
- Shortened printer cleaning times
- Lessened printer cleaning costs

Developed by DIC. Delivered by Sun.

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