

# DISC FILTER

DF2 // DF3

- Fully Automatic
- 40% Water Saving
- 20% Energy Saving
- High Efficiency



**MICRON RATING:**  
20u - 200u

**FLOW RATE:**  
14 m3/hr - 370 m3/hr



## AD-TECH ADVANCED CONTROLLER

With built-in intelligent Pressure Distribution Device for the control of backwash 3-way valve.  
Panel insulation up to IP65.



## FULLY TECHNO POLYMER MATERIAL

No metal part design.  
No risk of rust or corrosion.



Patented Air-Relief



Patented Diaphragm



No Air Lock with Full Disc Filtration.



Quick-Lock Closure



Safe & Durable Disc Filter material

## DESIGN CRITERIA

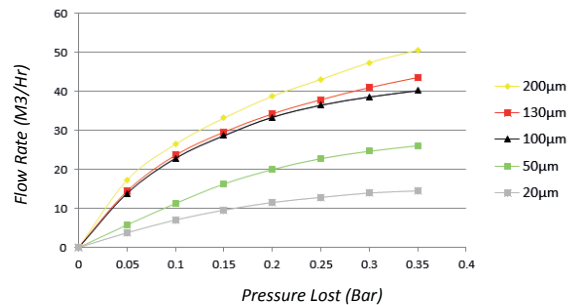
Description	Criteria
Maximum Feed Water Pressure	10 bar
Minimum Feed Water Pressure	2.0 bar
Maximum Operating Temperature	49 deg C
Operating pH	4 - 13



## MATERIAL OF CONSTRUCTION

Part	Material
Filter Housing	Polyamide Reinforced Fiberglass
Disc Filter	Polypropylene (PP)
Header/Manifold	High Density Polyethylene (HDPE)
Sealing	NBR

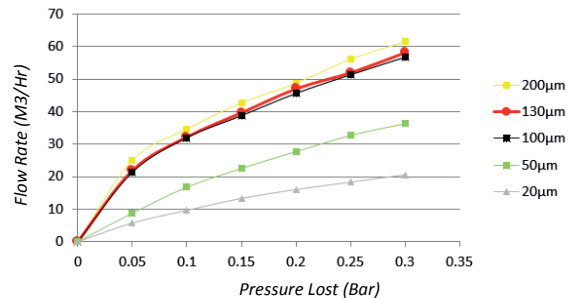
## HEAD LOSS CHART (DF2)



## BACKWASHING OF FILTER

Requirement	200u	100u	50u
Minimum Backwashing Pressure per Filter	1.5 bar	1.5 bar	1.5 bar
Minimum Backwashing Flowrate per Filter	2.0 l/sec	2.0 l/sec	2.0 l/sec

## HEAD LOSS CHART (DF3)



## DESIGN FLOWRATE (MAX) PER FILTER

Filter filtering surface area = 1500 cm<sup>2</sup>

DF2 Series = 2" inlet / outlet      DF3 Series = 3" inlet / outlet

Quality of Water	Good				Average				Poor				Very Poor				Common Header / Pipe Size, Inch
	200u	100u	50u	20u	200u	100u	50u	20u	200u	100u	50u	20u	200u	100u	50u	20u	
Model	Flowrate (m3/hr)				Flowrate (m3/hr)				Flowrate (m3/hr)				Flowrate (m3/hr)				
DF2-2	50	44	32	12	40	36	28	10	36	32	20	7	24	20	14	4	3"
DF2-3	75	66	48	18	60	54	42	15	54	48	30	11	36	30	21	6	4"
DF3-3	111	90	60	27	90	75	48	21	72	60	36	15	45	33	27	9	6"
DF3-4	148	120	80	36	120	100	64	28	96	80	48	20	60	44	36	12	6" / 8"
DF3-5	185	150	100	45	150	125	80	35	120	100	60	25	75	55	45	15	6" / 8"
DF3-6	222	180	120	54	180	150	96	42	144	120	72	30	90	66	54	18	6" / 8"
DF3-7	259	210	140	63	210	175	112	49	168	140	84	35	105	77	63	21	6" / 8"
DF3-8	296	240	160	72	240	200	128	56	192	160	96	40	120	88	72	24	6" / 8"
DF3-9	333	270	180	81	270	225	144	63	216	180	108	45	135	99	81	27	8"
DF3-10	370	300	200	90	300	250	160	70	240	200	120	50	150	110	90	30	8"

*Disclaimer: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as warranty, specification, or statement fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users to conduct thorough qualification testing to assure the products functions as required.*