

Clariphex

CHEMX AR series – Special Membranes for Acid application

Product description

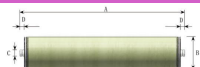
CHEMX AR series acid-resistant specialty membranes are engineered for targeted applications in acidic environments, with capabilities spanning: purification of acidic solvents, removal of metal cations, acid recovery from leaching solutions, decolorization treatment of inorganic acids, metal recovery from acid solutions, concentration and recovery of ions in acid solutions, and electrolyte recovery. Their robust acid resistance ensures reliable performance across these acid-centric tasks, making them a versatile solution for industries (e.g., mining, metallurgy, chemical processing) that require efficient separation, recovery, or purification of components in acidic streams.

Product Highlights:

- * Optimized for acidic feed liquid environments, ensuring stability and performance in high-acid conditions.
- * Delivers high metal rejection rates and exceptional separation precision, paired with large processing capacity and an extended service life—maximizing operational efficiency and minimizing replacement frequency.
- * Features a short membrane sheet length design that reduces water production resistance, directly enhancing flux for improved throughput.

Product Dimensions

Membrane Code	Dim. A		Dim. B		Dim. C		Dim. D	
	mm	inch	mm	inch	mm	inch	mm	inch
CHEMX-AR-400	1016	40	201	7.9	29	1.125		
CHEMX-AR-82	963	37.9	99	3.9	19	0.75	26.7	1.05



Product Specifications:

Membrane Code	Effective Area		Permeate flowrate		Stable Rejection (%)	Material	Test Solution (ppm)	Test Pressure Bar (psi)
	(m ²)	(ft ²)	(m ³ /d)	(gpd)				
CHEMX-AR-400	37	400	28.7	7690	98.00	FRP	MgSO ₄ (2000)	6.8 (100)
CHEMX-AR-82	7.6	82	5.6	1500	98.00	FRP	MgSO ₄ (2000)	6.8 (100)

Operation & Cleaning Limits:

Notes: