ProductDataSheet FilmTec ™
ReverseOsmosisMembranes

FilmTec™BW30PRO-400/34

HighRejectionandHighPerformanceIndustry-StandardBrackishWaterReverse OsmosisMembraneElement

KeyFeatures

- Deliversconsistentwaterqualityandhigherrejectionand flowthanpreviousgenerationBW30product
- BasedonhistoricalBW30Industry-standardROmembrane withdecadesofprovenperformance
- Excellentdurabilityresultinginstable,long-term performance
- Enhancedfoulingprotectionthanksto34milfeedspacer

KeyApplications

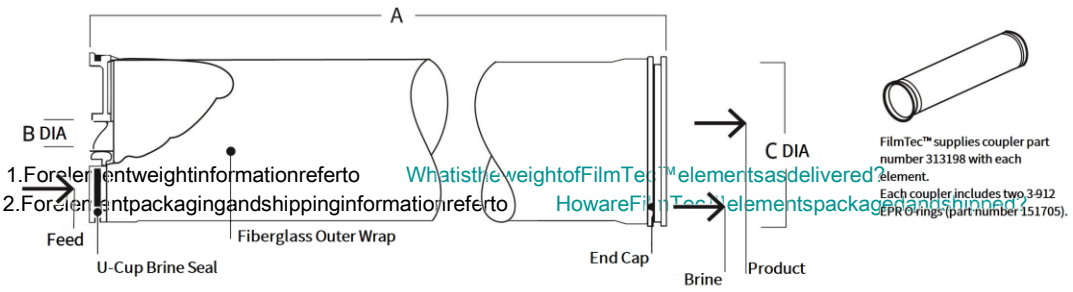
- Demineralizationforindustrialapplications,suchas:Power Generation,Steel&Metal,Chemical&Petrochemical
- Municipalwaterpurification

TypicalProperties

BW30PRO-400/34	400(37)	34	11,000(42)	99.6	99.4

1.Permeateflowandsaltrejectionbasedonthefollowingstandardconditions:2,000ppmNaCl,225psi(15.5bar),77°F(25°C),pH8and15%recovery.
2.Flowratesforindividualelementsmayvarybutwillbenomorethan15%belowthevalueshown.
3.Salesspecificationsmayvaryasdesignrevisionstakeplace.

ElementDimensions



A	40.0(1,016
B	1.125ID(29
C	7.9(201)

1.Forelementweightinformationreferto WhatistheweightofFilmTec™elementsasdelivered?
2.Forelementpackagingandshippinginformationreferto HowareFilmTec™elementspackagedandshipped?

SuggestedOperatingConditions

MembraneType	PolyamideThin-FilmComposite
MaximumOperatingTemperature1	113°F(45°C)
MaximumOperatingPressure	600psig(41bar)
MaximumPressureDrop	
PerElement	15psig(1.0bar)
PerPressureVessel(Minimum4Elements)	50psig(3.5bar)
pHRange	
ContinuousOperation1	2-11
Short-TermCleaning(30min.)2	1-13
MaximumFeedFlow3	75gpm(17m3/hr)
MaximumFeedSiltDensityIndex	SDI5
FreeChlorineTolerance4	<0.1ppm

1.MaximumtemperatureforcontinuousoperationabovepH10

3.Forrecommendedfeedandpermeateflowrates,flux,and recoveryforvariousfeedsources,refertoFilmTec™Design Guidelinesformultiple-elementsystemsof8-inchelements

4.Oxidationdamageisnotcoveredunderwarranty,DuPont recommendsremovingresidualfreechlorinebypretreatment priortomembraneexposure.PleaserefertoDechlorinating

GeneralInformation

- Keepelementsmoistatalltimesafterinitialwetting.
- ForsuccessfuloperationofReverseOsmosis(RO)and Nanofiltration(NF)membranesystems,theoperationmust followtheguidelinesprovidedinthe FilmTec™Reverse Osmosis/NanofiltrationElementsOperationExcellenceand LimitingConditionsTechFact (Form No. 45-D04388-en).
- Topreventbiologicalgrowthduringprolongedsystem shutdowns,itisrecommendedthatmembraneelementsbe immersedinapreservativesolution.
- Thecustomerisfullyresponsiblefortheeffectsof incompatiblechemicalsandlubricantsonelements.
- Avoidstaticpermeate-sidebackpressureatalltimes.
- Permeateobtainedfromthefirsthourofoperationshouldbe discarded.
- Theuseofthisproductinandofitselfdoesnotnecessarily guaranteetheremovalofcystsandpathogensfromwater. Effectivecystandpathogenreductionisdependentonthe completesystemdesignandontheoperationand maintenanceofthesystem.

ImportantInformation

Pleaseconsidergoodoperatingpracticesfortheoptimal performanceoftheReverseOsmosismembraneelementsto assuredamagefreeoperation:

1. LoadingofPressureVessels-Preparation&ElementLoading (Form No. 45-D01602-en)
2. SystemOperation,includingplant Start-UpSequence (Form No. 45-D01609-en)and RO&NFSystemsShutdown (Form No. 45-D01613-en)
3. Handling,Preservation,andStorage(Form No. 45-D03716-en)

Fullinformationofplantdesign,systemoperationand troubleshootingisgiveninthe FilmTec™ReverseOsmosis MembranesTechnicalManual (Form No. 45-D01504-en).

RegulatoryNote

Thisproductmaybesubjecttodrinkingwaterapplication restrictionsinsomecountries;pleasechecktheapplicationstatus beforeuseandsale.

FormNo.45-D03745-en,Rev.2
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Haveaquestion?Contactusat:

www.dupont.com/water/contact-us