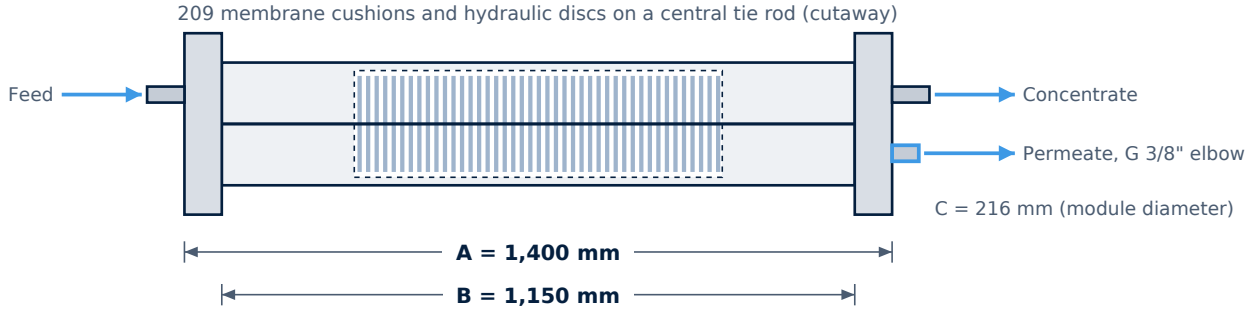
mail@thewaymembranes.com
www.thewaymembranes.com
Chennai, India

Discflux DT 75

Disc tube RO module, 75 bar · Datasheet

Disc tube reverse osmosis module, Discflux series, rated for 75 bar. 209 membrane cushions stacked between hydraulic discs on a central tie rod give an open, short flow path with high turbulence, so the module tolerates feeds that would foul a spiral-wound element. For landfill leachate and brackish wastewater. Total length 1,400 mm.



Module

Membrane	Polyamide thin-film composite, RO
Membrane cushions	209
Effective membrane area	more than 9.4 m²
Hydraulic discs	ABS
Pressure vessel	FRP
Feed and concentrate connections	12 mm
Permeate connection	G 3/8" 90° elbow for 9 mm hose

Performance and limits *

Operating pressure, maximum	75 bar
Salt rejection, stable	98.5 %
Salt rejection, minimum	97.5 %
Feed flow	420 L/h
Permeate flow at test conditions	8 to 40 L/h (± 20 %)
Maximum temperature	40 °C
pH, continuous	3 to 11
pH, cleaning at 40 °C	2 to 12
Free chlorine	< 0.1 ppm
Maximum pressure drop per module	9 bar

Dimensions

A, total module length	1,400 mm
B, vessel	1,150 mm
C, module diameter	216 mm
D, vessel to top of frame	98 mm
E, inlet to flange centre	76 mm
F, outlet to flange centre	56 mm

* General-use limits. A project design may set more conservative values for the best performance and the longest service life.

Test conditions
2,000 mg/L NaCl · 15.5 bar · 25 °C

Discflux range

Model	Maximum pressure	Stable rejection	Permeate at test	Test solution
Discflux DT 75	**75 bar**	**98.5 %**	**8 to 40 L/h**	**2,000 mg/L NaCl, 15.5 bar**
Discflux DT 90	90 bar	99.5 %	400 L/h	32,000 mg/L NaCl, 55 bar
Discflux DT 120	120 bar	99.5 %	400 L/h	32,000 mg/L NaCl, 55 bar
Discflux DT 160	160 bar	99.6 %	320 L/h	32,000 mg/L NaCl, 55 bar

Theway Membranes · 29 Yadaval Street, SIDCO Industrial Estate, Ambattur, Chennai 600 098, India
mail@thewaymembranes.com · +91 44 48502060 · www.thewaymembranes.com
Designs are the property of Theway Membranes. Specifications may change without notice. Drawings are not to scale. Issued November 2026.

mail@thewaymembranes.com
www.thewaymembranes.com
Chennai, India

Discflux DT 75

Fits the same frames as

Disc tube RO	1,400 mm disc tube modules with 12 mm feed and concentrate connections and a G 3/8" permeate elbow

Brand and model names belong to their owners and are used only to identify comparable equipment. Check dimensions, connections and operating conditions against the installed equipment before replacing it.

Operating guidelines

- Start up gradually: raise feed pressure and cross-flow over 30 to 60 seconds, and avoid pressure shocks during start-up, shutdown and cleaning.
- Never let permeate pressure exceed feed pressure. Avoid static back-pressure on the permeate side.
- Clean when permeate flow falls by 10 to 15 % or pressure drop rises by 15 %, using cleaners compatible with the stated pH and temperature limits.
- Complete pretreatment, piping flush and instrument checks before the first start-up.

General notes

- Each module is supplied assembled and pressure-tested, with membranes preserved, end-capped and crated.
- Permeate flow varies with feed composition, temperature and recovery; values above are at the stated test conditions.
- Theway standard limited warranty applies. Operation outside the stated limits voids the warranty; the user is responsible for the effects of incompatible chemicals.

Theway Membranes believes the information here to be accurate and offers it in good faith. Conditions of use are outside our control, and the user is responsible for checking that the product suits the application. This datasheet is not a contract specification; the order acknowledgement and drawings issued with it govern.

Theway Membranes · 29 Yadaval Street, SIDCO Industrial Estate, Ambattur, Chennai 600 098, India
mail@thewaymembranes.com · +91 44 48502060 · www.thewaymembranes.com

Designs are the property of Theway Membranes. Specifications may change without notice. Drawings are not to scale. Issued November 2026.

mail@thewaymembranes.com
www.thewaymembranes.com
Chennai, India

Important information

Discflux DT-75 disc tube RO module datasheet. Read with every page of this document.

DOCUMENT	VERSION	RELEASED	PAGES	ISSUED BY
TWM-DS-DISCFLUX-DT-75	**1.0**	**November 2026**	**3**	**Theway Membranes**

Legal notice

Guidance only. Values are typical and indicative, given in good faith under the stated reference conditions. They are not guaranteed values and not a warranty of performance; actual performance depends on feed water, pretreatment, design, operation and maintenance.

Binding terms. The only binding specification is Theway's written quotation and order acknowledgement. Supply is under Theway's Terms of Sale, which set out the warranty and limit Theway's liability. Except as stated there, Theway gives no warranty, express or implied, including merchantability or fitness for a particular purpose.

No liability for reliance. To the fullest extent permitted by law, Theway accepts no liability for any loss, damage, injury or cost arising from use of or reliance on this document, or from misuse, incorrect installation, modification or use outside the stated limits, and no liability for indirect, incidental, special or consequential loss.

Your responsibility. The user must confirm that the product is suitable and safe for the intended use, including chemical compatibility, potable-water or food-contact requirements and local regulations, and must have it installed and operated by competent persons.

Replacement products and trade marks. Where this document names another maker's product, the Theway product is built to fit and operate in its place by its published dimensions, connections and ratings. It is not made, approved or endorsed by that maker, and Theway is not connected with it. Fitting it may affect a warranty or service agreement with the original supplier; check before replacing. Brand and model names belong to their owners and are used only for identification.

Changes and versions. Theway may change designs and specifications without notice. This version supersedes all earlier versions; ask for the current version before ordering.

Ownership. © 2026 Theway Membranes. All rights reserved. This document, its drawings and images are Theway's property and are for illustration; supplied products may differ in finish and labelling. They may not be copied, altered, published or passed to third parties without Theway's written permission, except to evaluate Theway products.

Law. Governing law and jurisdiction are as stated in the Terms of Sale. Full terms: www.thewaymembranes.com/post/terms-of-sale and www.thewaymembranes.com/post/product-and-datasheet-disclaimer.

Questions about this document: mail@thewaymembranes.com · +91 44 48502060 · +91 73974 98660. Always ask for the current version before ordering or designing.

Theway Membranes · 29 Yadaval Street, SIDCO Industrial Estate, Ambattur, Chennai 600 098, India
mail@thewaymembranes.com · +91 44 48502060 · www.thewaymembranes.com
Designs are the property of Theway Membranes. Specifications may change without notice. Drawings are not to scale. Issued November 2026.