PRODUCT DATASHEET

Braid-Reinforced Hollow Fibre Membrane Line

Strong braid-supported fibres for MBR and UF





DETAIL – BRAID CREEL

OVERVIEW

The Tech Inc. Braid-Reinforced Hollow Fibre Membrane Line coats a polymer dope onto a braided support to make braid-reinforced hollow fibre membranes, the strong fibres used in submerged MBR and demanding UF duty. Braid runs from a creel through an annular die, where metered dope forms the membrane layer, then through coagulation and washing baths to the winder.

MODELS AND CONFIGURATIONS

- **Lab line** – one braid, short baths.
- **Pilot line** – one to four braids.
- **Production line** – multiple braids and longer baths.

TYPICAL DESIGN DATA

Braid diameter	About 1.5 to 2.5 mm
Line speed	2 to 30 m/min
Dope temperature	Up to 90 °C

APPLICATIONS

MBR membrane production, UF for difficult wastewater, and research on reinforced membranes.

KEY ADVANTAGES

- **High fibre strength** – braid carries the load
- **Even coating** – concentric die and metered dope
- **Scalable** – lab to production

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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