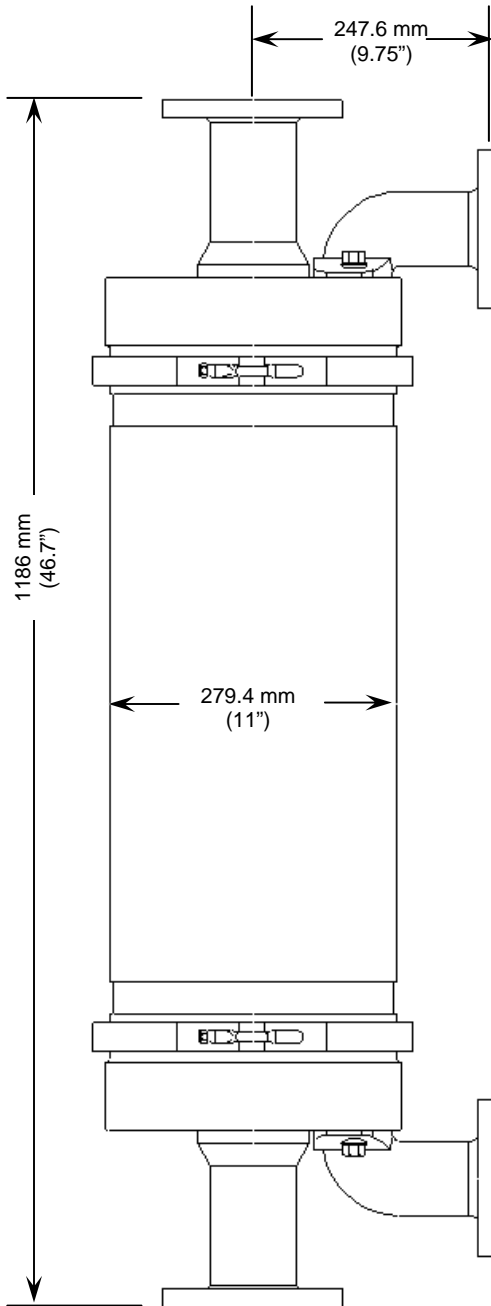


10 x 28 INDUSTRIAL PRODUCT DATA SHEET

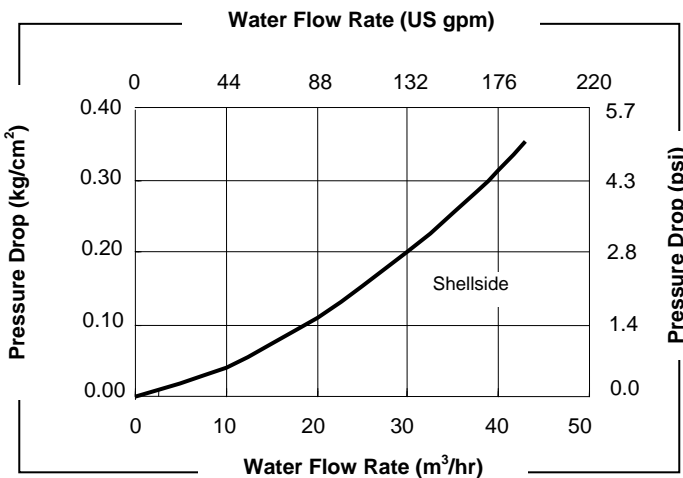
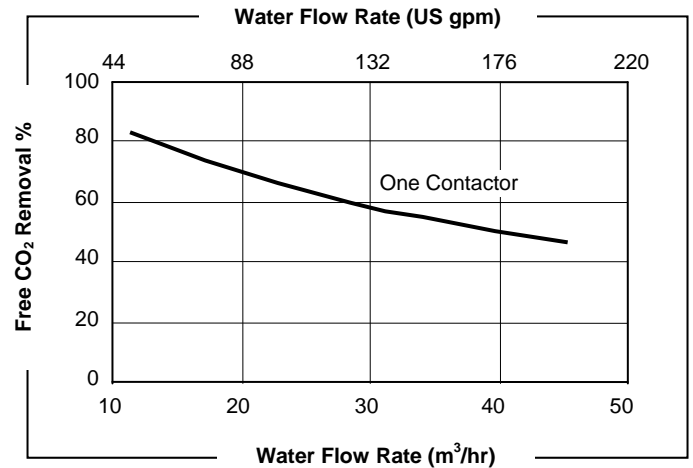
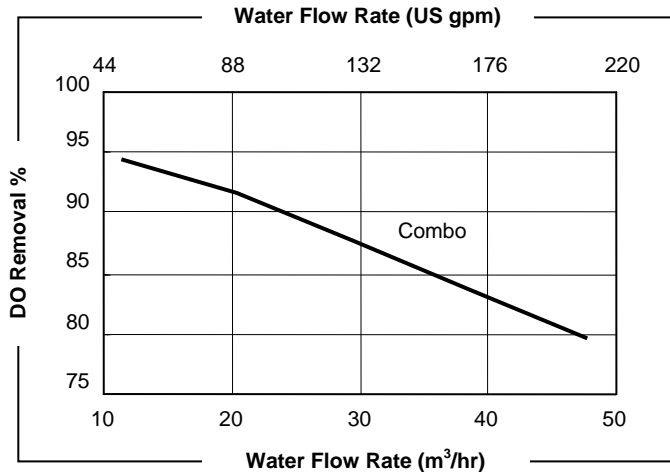
INDUSTRIAL



| Cartridge Characteristics | |
|--|---|
| Cartridge Configuration | Industrial Use Extra-Flow with Center Baffle |
| Liquid Flow Guidelines | 10 – 48 m ³ /hr (44 – 210 gpm) |
| Membrane Type | X-IND Fiber |
| Membrane/Potting Material | Polypropylene / Epoxy |
| Maximum Shellside Working Inlet Temperature/Pressure of Fiber in sweep mode* | 50°C, 5.3 kg/cm ² or 5.2 bar (122°F, 75 psig) |
| Housing Options and Characteristics | |
| Material | <ul style="list-style-type: none"> Fiber Reinforced Plastic (FRP) for Industrial Use Color is Gray |
| Flange Connections | |
| Shellside (Liquid Inlet/Outlet) | <ul style="list-style-type: none"> 3 inch class 150 raised face flange per ANSI B16.5 80A at 10K flat face flange per JIS B2238 |
| Lumenside | <ul style="list-style-type: none"> 1 inch class 150 raised face flange per ANSI B16.5 50A at 10K flat face flange per JIS B2238 |
| Max. Allowable Working Pressure of Vessel* | In European Union Countries <ul style="list-style-type: none"> 5.3 Kg/cm² (5.2 bar or 75 psi) on liquid or shellside 4.6 Kg/cm² (4.5 bar or 65 psi) on gas or lumenside In Rest of World <ul style="list-style-type: none"> 5.3 Kg/cm² (5.2 bar or 75 psi) for all gasses and liquids |
| Seal Options | |
| Material | Applications |
| EPDM (ANSI / NSF 61) | General Purpose |
| Weight | |
| Dry | 33 kg.(73 lbs.) |
| Liquid full (shellside) | 57 kg.(125 lbs.) |
| Cartridge only – dry | 10 kg.(23 lbs.) |
| Shipping weight | 44 kg.(98 lbs.) |
| *Pressures are based on nondangerous liquids and nondangerous gasses per the European Union Pressure Equipment Directive /97/23/EC. | |
| ADDITIONAL NOTES: | |
| <ul style="list-style-type: none"> This Contactor Complies with the PED. The pressures and volumes of liquid processed do not require a CE Mark. This device is Manufactured with Sound Engineering Practice. This Industrial Contactor is NOT manufactured with FDA Compliant materials. | |

NOTE: All dimensions are nominal values

10 x 28 INDUSTRIAL PRODUCT DATA SHEET



| Cartridge Specifications | | |
|---------------------------------------|--|--------------------|
| Characteristics | Test Conditions | Specifications |
| Performance O ₂ Removal | Shellside water flow: 160 gpm, 20°C (68°F) Lumenside N ₂ Flow: 3.5 ft ³ /min, 1.0 atm at 20°C | 80.1% minimum |
| Pressure Drop | Shellside water flow: 160 gpm, 20°C (68°F) | 6.9 psi maximum |

Curves represent nominal values, generated using water at 20°C. Characteristics may change under different operating conditions.

This product is to be used only by persons familiar with its use. It must be maintained within the stated limitations. All sales are subject to Seller's terms and conditions. Purchaser assumes all responsibility for the suitability and fitness for use as well as for the protection of the environment and for health and safety involving this product. Seller reserves the right to modify this document without prior notice. Check with your representative to verify the latest update. To the best of our knowledge the information contained herein is accurate. However, neither Seller nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material and whether there is any infringement of patents, trademarks, or copyrights is the sole responsibility of the user. Users of any substance should satisfy themselves by independent investigation that the material can be used safely. We may have described certain hazards, but we cannot guarantee that these are the only hazards that exist.

Liqui-Cel, Celgard, SuperPhobic and MiniModule are registered trademarks and NB is a trademark of Membrana-Charlotte, A division of Celgard, LLC and nothing herein shall be construed as a recommendation or license to use any information that conflicts with any patent, trademark or copyright of Seller or others.

©2008 Membrana – Charlotte A Division of Celgard, LLC

(D81_rev 9 10x28ind 03/08)

Membrana - Charlotte
A Division of Celgard, LLC
13800 South Lakes Drive
Charlotte, North Carolina 28273
USA
Phone: (704) 587 8888
Fax: (704) 587 8585

Membrana GmbH
Oehder Strasse 28
42289 Wuppertal
Germany
Phone: +49 202 6099 - 658
Phone: +49 6126 2260 - 41
Fax: +49 202 6099 - 750

Japan Office
Shinjuku Mitsui Building, 27F
1-1, Nishishinjuku 2-chome
Shinjuku-ku, Tokyo 163-0427
Japan
Phone: 81 3 5324 3361
Fax: 81 3 5324 3369



ISO 9001
ISO 14001

MEMBRANA
Underlining Performance

www.liqui-cel.com

A **POLYPOR** Company