



## A NEW Product Variant has been Introduced into the Liqui-Cel® Membrane Contactor family of products

Over time, Membrana has realized that all customers do not need all the features of our Liqui-Cel® high purity 10-inch Contactor. Therefore, in 2002, we spent significant R&D resources developing a new product for customers who have processes that do not always need the current features.

The New INDUSTRIAL 10 x 28 Liqui-Cel® Membrane Contactor is now available for industrial gas transfer applications where FDA compliance and ultra-low extractables are not required.

This contactor was designed to meet the needs of lower-purity end markets compared to our traditional high-purity ultra clean products that are sold into industries similar to microelectronics. This INDUSTRIAL product uses different materials of construction and has different performance characteristics compared to our high-purity FRP, PVDF inner surface, 10 x 28 Contactor. See the summary of this and other differences below.

### Differences compared to Liqui-Cel® high-purity 10-inch Contactors

- The liquid contact surfaces are not PVDF
- This contactor variant is not FDA compliant
- This device has a lower pressure and temperature rating due to changes the housing and the fiber.
- No additional costly testing is performed for CE Marking these devices for the European Union. The lower pressure rating puts this contactor below the PED classification requirements
- Slightly reduced gas removal performance
- Gray in color and easily distinguishable from the high-purity white contactor

To insure that OEM system designs do not need to be reconfigured, we have kept the end-to-end dimensions and liquid and gas ports in the same location compared to our 10 x 28 high-purity housing.



The changes we have made to the materials, the design and the testing allow us to keep the pricing of this device more favorable for industrial applications. If purity and FDA compliance are important in your application, we recommend you use our high-purity device.

Contact your regional Account Manager or send an e-mail to [info@liqui-cel.com](mailto:info@liqui-cel.com) for more details. Additionally, you can visit our website at [www.liqui-cel.com](http://www.liqui-cel.com).

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