

DATA SHEET

---

# A19/A37 TUBULAR ULTRAFILTRATION MODULE

---

Juice Clarification



## THE A19 MODULE



PCI Membranes' A19/A37 tubular membrane system incorporates a robust, low-cost stainless steel module together with a choice of tubular UF and MF membranes.

The innovative removable core design (RCM) permits simple, rapid and inexpensive membrane replacement. Modules are offered in two lengths (3.05m & 3.66m), each housing 19 or 37 membranes cast in epoxy resin at each end.

Both lengths can be used with the housing as retro-fit and the short length as a recordable retro-fit to Non-PCI systems.

### A19 Dimensions

|                                 |      |      |
|---------------------------------|------|------|
| Length (m)                      | 3.05 | 3.66 |
| Membrane Area (m <sup>2</sup> ) | 2.18 | 2.62 |

### A19 Connections

|          |  |
|----------|--|
| Permeate | 1" tri-clamp or 3/4" 90° spigot in AISI 316 SS |
| Feed     | 3" tri-clamp in AISI 316 SS                    |



## THE A37 MODULE



To ensure system integrity, on-line permeate from individual modules is available.

The A19/A37 module is manufactured with materials compliant with FDA, CFR21 and EU regulations. The open channel design process liquids with high levels of suspended solids without plugging and facilitates highly effective cleaning in place.

The compact design gives the module a high strength allowing maximum operating pressures of 7 bar.

PCI's unique in-situ replaceable core enables fast, easy and cost-effective remembraning.

### A37 Dimensions

|                                 |      |
|---------------------------------|------|
| Length (m)                      | 3.66 |
| Membrane Area (m <sup>2</sup> ) | 5.10 |

### A37 Connections

|          |   |
|----------|---|
| Permeate | 1" tri-clamp or 90° plain spigot in AISI 316 SS |
| Feed     | 4" tri-clamp in AISI 316 SS                     |



### Key Features and Benefits

- **Replaceable membrane core:** Allows fast, cost-effective remembraning, reducing downtime and waste
- **Proven membranes:** To suit a variety of food, beverage, chemical, pharmaceutical and wastewater treatment applications
- **Compact module design:** Quick, low cost plant construction and ease of maintenance
- **Full-bore U-bends:** Provides simplicity, minimal pressure drop and low system costs
- **Tubular module:** Minimal prefiltration required, suited to viscous liquids and high levels of suspended solids

### Specification

- Operating pressure: Up to 7 bar max
- Operating temperature: Up to 60°C
- Shroud material: AISI 316 Stainless Steel
- Membrane type: A range of MF and UF membranes in PVDF
- pH range: 1.5 - 10.5

# MORE THAN 45 YEARS SERVICING OUR CUSTOMERS

With PCI Membranes technologies you receive a commitment to excellence that is supported by:

- International experience solving problems since 1968.
- An application engineering team that designs the specific system you need for your particular project.
- An experienced design engineering team dedicated to product performance and reliability.
- Products that use only properly applied materials of the highest quality.
- A state-of-the-art facility with highly trained production personnel.
- A service team trained to handle any problem, anywhere in the world.

PCI Membranes designs, manages the manufacture of and supplies equipment for liquid separation to the quality standard: BS EN ISO 9000:2015