

The **APPLE-TIS** is a tangential filter unique, modular, hollow fiber ceramic membrane, specifically developed for the filtration of apple juice and cider.

THE **APPLE-TIS** concept is the combination of TIS, and ceramic hollow fiber membranes. The units come complete, turnkey, mounted on support frame, ready for connection directly to the tank of juice to be filtered, and the receiving tank. The method includes as options, recirculation tank, all piping, valves, instrumentation and automatic back pulse.

The **APPLE-TIS** can accommodate a choice, depending on production requirements and flow: a TIS 37, 1 T.I.S. 91, 1 T.I.S. 159, 2 T.I.S. 159 or 3 T.I.S. 159, covering a flow range from 3 to 86 hl / h depending on volume and type of juice to be processed.

The units are available in version "Automatic" or "Manual".

Characteristics APPLE-TIS:

- Small footprint
- Compliance with the juice and their organoleptic modular
- Each TIS or TIS line can be isolated to guarantee production automatic retrofiltration
- Very low dead volume for high yields
- Low energy and low heating of the product
- Versatility of the system by simply changing the game of membrane
- Low water consumption
- Robustness and reliability

The design line of the Apple-TIS gives some advantages to using:

- Compactness
- Simplicity
- Mobility
- Economic
- Robustness, reliability and ease of maintenance
- Intermittent use

Type	APPLE-TIS 1-37 10m ²	APPLE-TIS 1-91 30m ²	APPLE-TIS 1-159 50m ²	APPLE-TIS 2-159 100m ²	APPLE-TIS 3-159 150m ²
Average of flow filtration (1)	3 à 6 hl/h	8 à 15 hl/h	15 à 28 hl/h	30 à 56 hl/h	43 à 86 hl/h
Average daily yield (1)	60 à 120 hl/j	160 à 300 hl/j	300 à 560 hl/j	600 à 1120 hl/j	860 à 1720 hl/

(1) Depending on the nature of the juice, and their pretreatment level of retention.