

# Crystal Pro - Filter groups Crystal Pro series



The CRYSTAL PRO series consists of a fleet of filter systems which are complete and professional quality. Assembled on a desktop entirely in AISI 304 stainless steel. The filtering pressure is monitored by a pressure gauge and can be regulated by a dedicated valve. The liquid that drips from the filter unit is collected in a large tank (2.5 liters) which, on request, can be implemented with the practical EAS system, which, via a valve, returns the liquid to the filter unit. It is also provided with plexiglass side screens to keep the surrounding environment clean. For each application it is necessary to check the suitability and choose the cartons of the most appropriate filtering

grade.

## The product are particularly suitable for use:

- enology (wine, musts)
- food industry (oil, vinegar, brine, fruit juices, beer wort, milk)
- brewing process (beer must, beer, washing)

## Hydraulic specifications

- Filtering capacity: 150 + 300 lt/h
- Maximum capacity in transfer mode: 26 lt/min
- Maximum head :18.0 m
- Maximum filtering temperature: 40°C
- Maximum transfer temperature: 90°C
- Not suitable for aggressive liquids towards pump construction materials and gaskets (see technical specifications)
- Not appropriate for the transfer of petrol, solvents and, in general, in environments with risk of explosion and fire
- Possibility of reversing the pumping flow
- Nylon hose fittings for 20 mm diameter pipes included
- Possibility of working for short periods with closed pipes
- During installation, the pump must be filled with liquid, subsequently this operation is no longer necessary

Filtering cartons available			
Function	Code	Filtration degree Micron	Capacity lt/min/m2
Roughing	V0	18	>1500
Semi-clarifying	V4	15	1300
Clarifying	V8	12	1100
Clarifying	V12	8	600
Semi brightening	V14	5	370
Brightening	V16	2	270
Brightening	V18	1	190

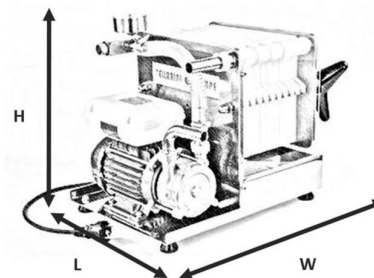
# Technical specifications

- By disconnecting the filter unit tube and connecting a pair of tubes directly to the electric pump, it is possible to carry out transfer operations in a practical and fast way;;
- Made with a sturdy and durable frame entirely in AISI 304 stainless steel, the ideal solution for correct sanitation and corrosion resistance, it is designed to be placed on a workbench;
- Filter pack consisting of 10 20x20 cm filtering cartons
- The filter unit is completed by plexiglass screens to keep the surrounding environment clean and a very large tank (about 2.5 lt) where the liquid is collected can drip from the filter pack
- Standard filtration degree size of cardboard series 15 micron, other sizes are available on request based on the type of filtering to be carried out (see table alongside);
- Upon request, the system can be equipped with the EAS system (Emptying Assisted System) which allows, by operating the system through a practical valve, to reinsert the liquid collected from the tray in the system;
- Thanks to the quality of the construction materials and the pump in quick disassembly version, this system is resistant to sanitizing products and washing temperatures up to 90°C

## Material

- Pump Parts: AISI 316
- Counterflange: AISI 316
- Shaft : AISI 316
- Impeller : AISI 316
- Gaskets: NBR
- Frame: AISI 304
- Filter holder plates: Moplen
- Filters: Cardboard

Overall dimensions				
W	L	H	Weight	Leq A*
250 mm	150 mm	195 mm	5.2 kg	64 dB



**We reserve the right to make changes without prior notice.**

**TELLARINI POMPE di G. Tellarini & C.**

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