

Benefits of UDI Apollo disc filters:

The **UDI Apollo** automatic disc filter is composed of one or several S.K. filters whose filter element consists of plastic discs compressed on a variable holder. This unique flushing mechanism opens up the filter element during the flushing cycle.

Filtration using a compressed pack of grooved filter discs, especially developed to better filter out organic dirt/waste from water, results in a better filtrate. Coarse particles of dirt are caught on the outside, while the finer dirt particles are trapped in the pack of discs on the grooves that have been applied crosswise on the filter discs. This leads to a degree of deep filtration which is comparable to sand-bed filtration.

During the flushing cycle, a powerful jet from a multi-jet nozzle system removes the dirt settled on and in the element from the lightly rotating, pressed-open filter discs. This results in complete cleaning with a minimum of flushing water. The shape and dimensioning of the unit can be adapted to any system. The **UDI Apollo** is a fully automatic self-cleaning system. Due to the modular construction, it is possible to realise any capacity.

Product features:

- Small footprint
- Low filter volume
- Minimum flushing water loss
- Continuous service

Applications:

- Pre-filtration of disinfection equipment
- Preparation for micro and ultra filtration
- Cooling water systems
- Water intake
- Recirculation systems
- Irrigation systems
- Post-filtration



Apollo automatic disc filter

Technical data

Technical specifications / module:

- Filter surface: 2620cm²
- Max pressure: 10 bars
- Min flushing pressure: 2,8 - 5 bars *
- Flushing capacity: 24m³/h
- Flushing water ± 30 ltr/module
- Max operating temperature: 60°C
- Connection filter: 3"
- Ph 4-11 resistant
- Filter discs 400 - 200 -130 - 100 - 55 microns

* depending on fineness of the filter discs

Low-pressure model:

LCE

- Max pressure: 6 bars
- Min flushing pressure: 1,5 - 5 bars *

Materials:

- Filter body: polypropyleen and polyamide
- Filter discs: polypropylene (option: nylon)
- Flushing valve: Stainless steel 400, polyamide, Nylon
- Valves: plastic
- Other: Stainless steel, Buna N

Options:

- External flushing
- LCE (low-pressure) model

Guideline capacity:

Number / modules		3	4	5	6
	water quality	m3/h	m3/h	m3/h	m3/h
400-100 microns	good	120	160	200	240
	fair	90	120	150	180
	contaminated	60	80	100	120
	bad	48	64	80	96
55 microns	good	78	104	130	156
	fair	59	79	99	119
	contaminated	39	52	65	78
	bad	31 (a)	41	51	61

a.) External flushing with filtered water required.

The capacity is indicated in the range from bad to good water. The service capacity during flushing is lower than during service.

The required flushing pressure depends on the situation and applied micronage. For a low service pressure, 'energy-saving', external flushing with raised pressure is required. The service pressure is then minimal and results in perfect cleaning with minor loss of drain water.

Please consult your installer with respect to your specific situation.