

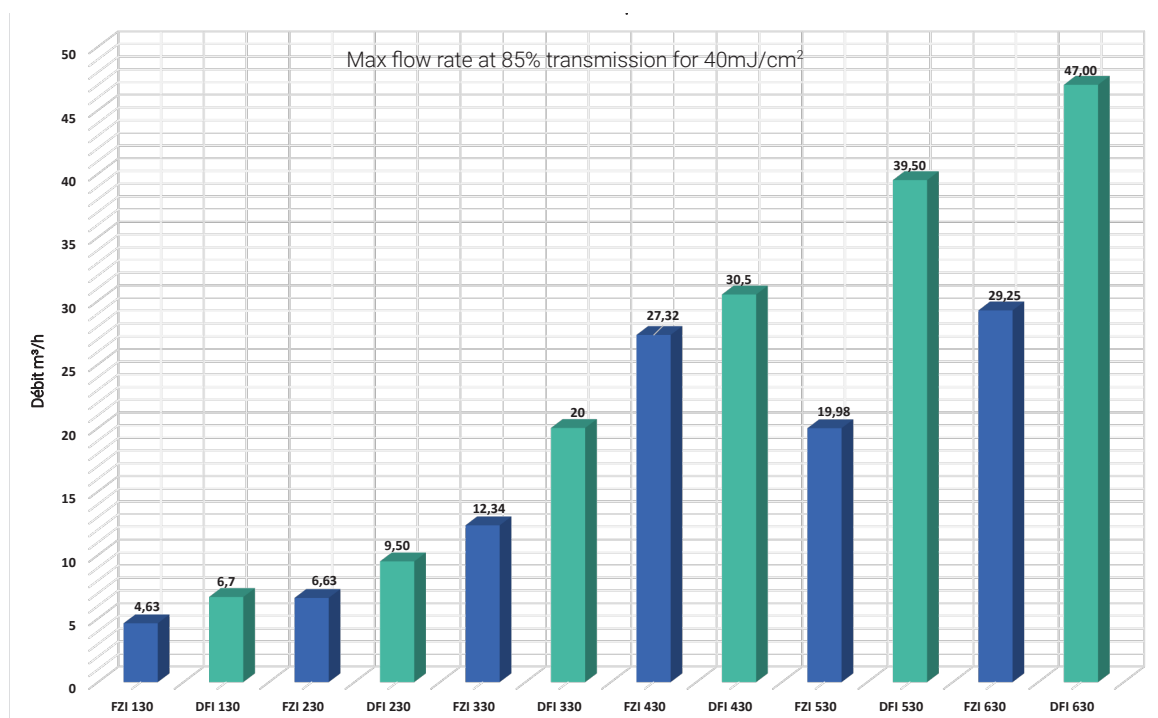
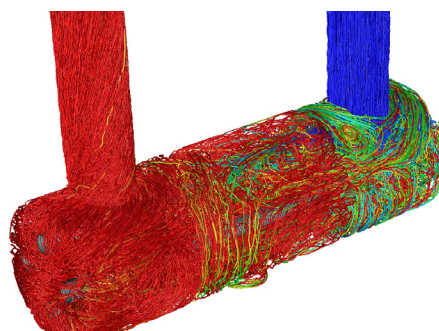
What makes our new range DFI different ?

Our design office has focused on improving its FZI range. The goal was to improve maintenance and increase the hydraulic and energy performance of our product range.

Better accuracy for data : The use of CFD (Computer Fluid Dynamics) software can accurately simulate the flow of fluids and UVC radiation inside our devices. We follow each possible trajectory and calculate the residence time and the perceived dose for each organism passing through the device.

Easier maintenance : Taking into account all these parameters allowed us to design deflectors that facilitate the quartz insertion inside the device and allow a higher permissible flow. **It is specifically efficient in case of troubled / dirty water to allow a better transmission of UVC light.**

Significant energy savings : Thanks to accurate data collection, we have managed to improve our devices performances and thus reduce the energy consumption required. Indeed, the flow rate of the DFI 530 for example has increased considerably compared to the FZI 530, while the energy required is equivalent (see the histogram below).





- 316 L stainless steel chamber
- Maximum pressure 6 bars
Higher pressure on demand
- Water temperature 0 to 40 °C
- Visual control cell
- Flanged connections
- Quartz sleeve
- Sampling valve

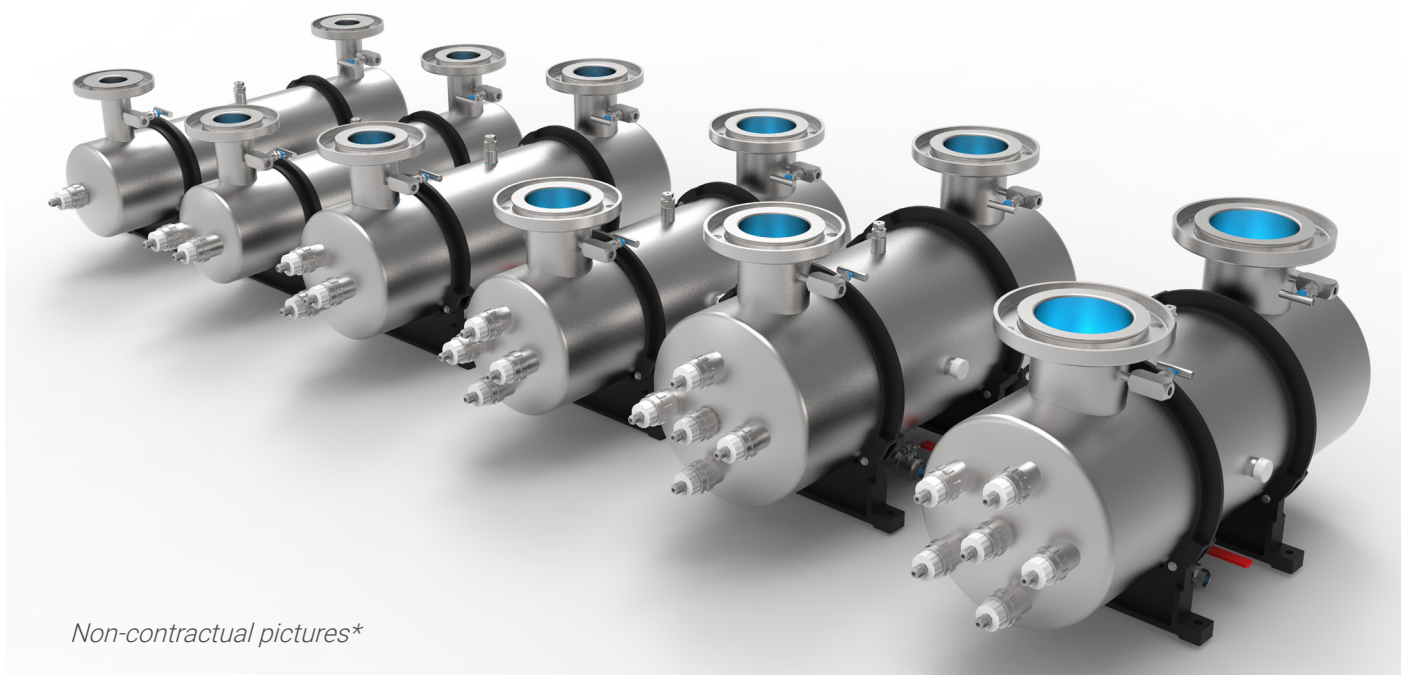
- Inspection door and drain valve
- Electromechanical hour counter
- Electrical cabinet
- Single-head lamp amalgam 12 000h
- Lamp visual witness
- Electronic ballast
- 220 V+T supply to be provided

Applications

- Potabilization for public use
- Agro-food industry
- Chemical & Pharmaceutical Industry
- Process water
- Waste water

Spare parts

- UVc Lamp : 12 000 hours
- O ring : 12 000 hours
- Quartz sleeve : 5 years

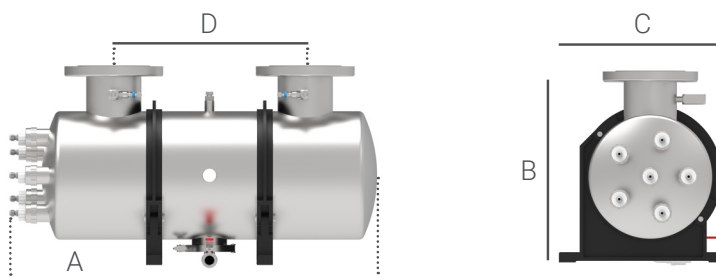


*Non-contractual pictures**

System	Reference	Max flow rate*	Power	In/Out
DFI 130	1330001	15,08 m³/h	1X130 W cabinet	2"MA flanges
DFI 230	1330002	25,55 m³/h	2x130 W cabinet	2"1/2 MA flanges
DFI 330	1330003	52,55 m³/h	3x130 W cabinet	3"MA flanges
DFI 430	1330004	77,53 m³/h	4x130 W cabinet	4"MA flanges
DFI 530	1330005	110,48 m³/h	5x130 W cabinet	4"MA flanges
DFI 630	1330006	130 m³/h	6x130 W cabinet	5"MA flanges

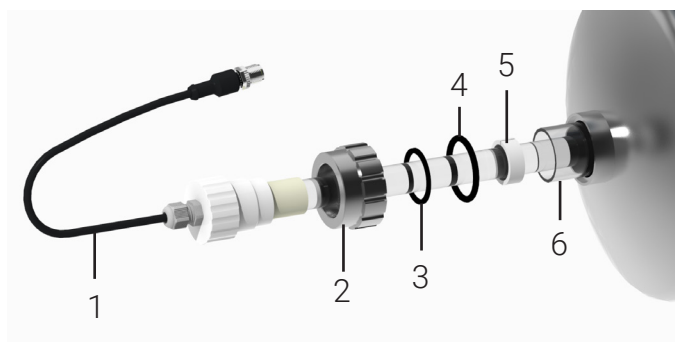
(*) Flow rates above expressed with a UVc transmission coefficient of 98% on a 1 cm water slide for a germicidal dose delivered of 40 mJ/cm² and 25mJ/cm² at the end of lamp life.

DFI 130/230/330/430/530/630

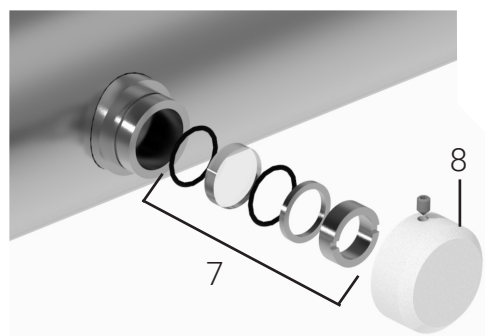


System	Electrical power consumption	Weight	Dimensions			
			A	B	C	D
DFI 130	140 Wh	21 Kg	910	402	347	617
DFI 230	280 Wh	22 Kg	918			606
DFI 330	420 Wh	32 Kg	920	450	382	580
DFI 430	550 Wh	34 Kg	921			546
DFI 530	700 Wh	39 Kg	926	510	429	534
DFI 630	850 Wh	40 Kg	931	502	429	485

Lamp & quartz sleeve



Control cell kit



N°	Designation	Reference
DFI 130/230/330/430/530/630		
1	Amalgam lamp 130W0.5M12	2140003
	2 meters extension M12	2410013
2	Stainless gland seal Ø34	2520004
3	Flat seal Ø35	2510007
4	O-ring Ø34	2510001
5	Lamp centering ring 130W	2530006
6	Quartz sleeve FB Ø34	2220003
7	Visual control kit IND	2540002
8	White look cover + screw	2550001
	Electronic ballast 1 x 130 W	2420005
	Electronic ballast 2 x 130 W	2420006
	Complete on/off switch	2430002
	Hour counter 48/48	2440001
	White or green light	2410009
	Led M22	2410010