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AquaproteQ

The AquaproteQ is a compact plug and play filter system that treats water by ultrafiltration. The AquaproteQ has an automatic integrity test and a double flush function. The various functionalities are controlled and logged by PLC controls. The PLC has the option to link input to a GSM modem or a local system.

Туре	Type A	Type B	Type C
Number of filters	2	2	2
Type filtermodule	UFKM 110-750	UFKM 125-750	UFKM 140-750
Membrane surface per filter	4,91 m²	6,24 m²	7,15 m²
Capacity at flux 100 l/m²	o,98 m³/h	1,25 m³/h	1,43 m³/h
Capacity at flux 200 l/m²	1,96 m³/h	2,50 m³/h	2,86 m³/h
Capacity at flux 300 l/m²	2,94 m³/h	3,74 m³/h	4,29 m³/h
Flux at 3 / 4,5 / 6 m³/h	305 l/m²	361 l/m²	420 l/m²

The above fluxes and capacities assume a water temperature of 16°C and a pressure of 1 bar (14.5 psi).

Capacities are the maximum flow over the AquaproteQ. Flushing and integrity tests are postponed when usage exceeds 50%. In situations where >50% of the total water capacity is used more than 6 hours per day, a larger dimensioning is necessary.

Technical specifications

Color cover	Gray RAL 7001	Maximum watertemperature	40°C
Material filters and piping	PVC-U	Minimum/ maximum water	2 bar / 6 bar (29 psi / 87 psi)
Dimensions HxBxD (cm)	136x48x32	pressure	
Filtratieprinciple	Ultrafiltration	Supply voltage	230V AC
Effectiviness of bacterial reduction	99,9999% (log 6)	Output signal	14V digital
Effectiviness of virus reduction	99,99% (log 4)	Material appendages	Brass
		Internal voltage	14V