



WATER PURIFICATION CERTIFIED

AQUASTERA
ASUV UND A-SERIE



Drinking water and its quality: With AQUASTERA/Aqua UV-tron, a UV disinfection device was developed which provides for chemical-free and reliable disinfection – without changing the original water consistency.

The pH-value and minerals, the taste and smell remain unchanged! Disinfection of the drinking- and process waters results in a reduction of the pathogenic germs as proven in water by 99.9%. In order to reach this value, AQUASTERA/AquaUV-tron works with a dose of 400 J/m². It is proven by biosimetric testing and certified according to ÖVGW and DVGW.

Whether drinking water or process water is to be kept free of germs, the areas of application are multi-layered, but the effect is always the same. Simply completely microbiological-free water. Undesired bacterial contamination is prevented, valuable minerals are preserved as no chemicals are used. Disinfection is done without changing the taste and without leaving residue.

Options

- ✓ Temperature monitoring with reject valve PT 100
- ✓ Shut-off valve
- ✓ Alarm signal transmission via cable or wireless
- ✓ TFT touchscreen with data logger
- ✓ Spectrometer probe for continuous quality surveillance
- ✓ Transmission SAC, turbidity FNU, coloring

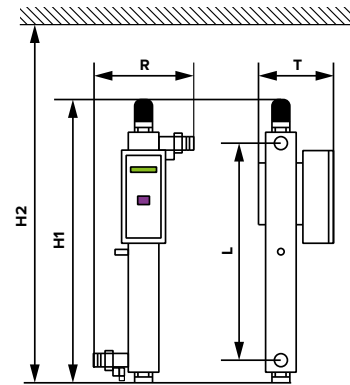


Features

- ✓ Simple installation thanks to a compact design
- ✓ Stainless Steel housing, electro-polished V4A
- ✓ Operating pressure up to 12 bar
- ✓ Sampling valve, flame resistant upon entry and exit
- ✓ Emitter monitoring
- ✓ Selective UV-C-intensity monitoring in accordance with DVGW standards, ÖVGW and Ö standard
- ✓ LCD with display of the abs. UV-C-intensity in W/m² rel. in %, operating hours and dose in J/m²
- ✓ High-quality hard quartz protection tubes
- ✓ Potential-free reporting contact points for alarm and pre-alarm 4-20 mA
- ✓ Contact for remote activation
- ✓ Output for control of a reject valve
- ✓ Long-life high performance emitters, up to 12,000 hours
- ✓ Non volatile
- ✓ Integrated wall mounting panel
- ✓ Low energy consumption
- ✓ Clear mounting instructions
- ✓ Simple to operate

Application

- ✓ Drinking water supply
- ✓ Hospitals and clinics
- ✓ Food Industry
- ✓ Pure and ultrapure water disinfection
- ✓ Industrial water, processing water
- ✓ Installations for cold- and hot water
- Pharmaceutical and chemical industry
- ✓ Beverage industry and breweries
- ✓ Swimming pools and whirl pools



Technical information

DEVICE TYPE DVGW AQUASTERA	ASUV27	ASUV46	ASUV90	ASUV180-F	ASUV300-F	ASUV500-F	ASUV750-F	ASUV1250-F	Unit
DEVICE TYPE ÖVGW AQUAUSTRON	A27	A46	A90	A180-F	A300-F	A500-F	A750F	A1250-F	Unit
NOM. FLOW THROUGH AT T10 = 98%									
Cold water up to 38 °C	2,8	3,7	10,2	18,9	26,3	53,4	95,3	150	m³/h
Warm water up to 65 °C	n.a.	3,5	7,5	10	19	32	50	97	m³/h
POWER INPUT:	55	80	150	230	265	530	1.060	1.590	Watt
UV-C RED DOSE AT 254 NM	>400	>400	>400	>400	>400	>400	>400	>400	J/m²
Emitter nominal capacity	41	65	135	205	238	238	238	238	Watt
Number of emitters	1	1	1	1	1	2	4	6	pc.
UV-C Power Output at 254 nm	14,3	20	43	65	90	90	90	90	Watt
Duration of use approx.	8.700	12.000	12.000	12.000	12.000	12.000	12.000	12.000	h
TEMPERATURE RANGE									
Water	4 - 38	4 - 65	4 - 65	4 - 65	4 - 65	4 - 65	4 - 65	4 - 65	°C
Operational environment	4 - 45	4 - 45	4 - 45	4 - 45	4 - 45	4 - 45	4 - 45	4 - 45	°C
MAX. OPERATIONAL PRESSURE	10	10	10	10	10	10	10	10	bar
CONNECTIONS WITHOUT SCREW-ON	R 1 1/4" AG	R 1 1/2" AG	R 2" AG	DN 65	DN 80	DN 100	DN 125	DN 150	
CONNECTIONS INCL. SCREW-ON	R 1" AG	R 1 1/4" AG	R 1 1/2" AG	n.A	n.A	n.A	n.A	n.A	
DIMENSIONS									
Inst. width R (without fitting) and -depth D	236 × 244	261 × 269	261 × 269	360 × 295	369 × 339	423 × 219	458 × 254	509 × 305	mm
Inst. width R (with fitting) and -depth T	320 × 244	353 × 269	381 × 269	n.A	n.A	n.A	n.A	n.A	mm
height to and from L	733	337	734	970	957	931	906	877	mm
Installation height H1	925	533	942	1.198	1.198	1.198	1.198	1.198	mm
Room Height H2	1.775	991	1.810	2.251	2.251	2.251	2.251	2.251	mm
Req. service height	850	458	868	1.053	1.053	1.053	1.053	1.053	mm
Switch Cabinet	incl.	incl.	incl.	incl.	incl.	400 × 600 × 200	400 × 600 × 200	400 × 800 × 200	mm
Chamber Type	G-4-800	G-5-400	G-5-800	G6-1000-F	G-7-1000-F	G-9-1000-F	G-10-1000-F	G-12-1000-F	
WEIGHT									
Radiation chamber	9,1	8,8	11,9	17,8	25,5	38	40	85	kg
Control	2,2	2,4	2,4	3	4,1	12	14	20	kg
PROTECTION TYPE	IP 65	IP 65	IP 65	IP 65	IP 65	IP 54	IP 54	IP 54	
MATERIAL									
Radiation Chamber	1,4404	1,4404	1,4404	1,4404	1,4404	1,4404	1,4404	1,4404	
Control	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Steel coated	Steel coated	Steel coated	