

OVERVIEW

Table of UV systems and IQ pipe routes with installation lengths, required room heights:

UV system	Flow control unit	In-line installation width*	Room height	Flow	UVT254
T40F	FlexFlow ^{IQ} 25	~ 630 mm	1,4 m	up to 3,5 m ³ /h	5 – 80% T100
T40F ECOplus	FlexFlow ^{IQ} 25	~ 630 mm	1,4 m	up to 3,5 m ³ /h	5 – 80% T100
T80F	FlexFlow ^{IQ} 40	~ 700 mm	2,18 m	up to 8,3 m ³ /h	5 – 85% T100
T80F ECOplus	FlexFlow ^{IQ} 40	~ 700 mm	2,18 m	up to 8,3 m ³ /h	5 – 85% T100

* Inlet thread UV, to outlet thread ball valve

POSSIBILITIES AND ACCESSORIES FOR VISADES UV SYSTEMS

- » SMS alarm module with status query option
- » Turbidity meter in the bypass, integrated with UV control
- » Turbidity meter as an immersion probe, integrated with UV control
- » Fill level measurement in storage tanks with switching points
- » Pressure measurement for pipe installation

For TCII Controllers:

- » Fieldbus connection MODBUS TCP or Profibus DP
- » Data logger with trend display also for external sensors
- » and much more ...

Company stamp

VISADES



FlexFlow^{IQ}

THAT TAKES CARE OF ITSELF:
FlexFlow^{IQ}

MADE IN AUSTRIA

UV systems for small flow rates in combination with variable flow control. To maintain operations even in poor conditions.

FlexFlow^{IQ} FOR CERTIFIED UV SYSTEMS



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Find you local dealer
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VISADES FlexFlow^{IQ} ADJUSTING FLOW TO UV

WHAT IS BEHIND?

Until now, small UV systems have almost always been operated with a set minimum UV irradiance for maximum flow.

However, this results in a disadvantage. Especially in small water supply systems, several circumstances can have an impact on UV-transmittance and UV-irradiation.

If the set minimum UV irradiance is not reached, the water supply must be interrupted due to insufficient disinfection. FlexFlow^{IQ} flow adjusting operation enables the use of the entire certified flow-bandwidth, from very clear water with a high flow to more cloudy water with a lower flow. This allows us to maintain

the operation of the UV disinfection system and thus the drinking water production over a very wide range – the full ONORM certificate with reliable disinfection.

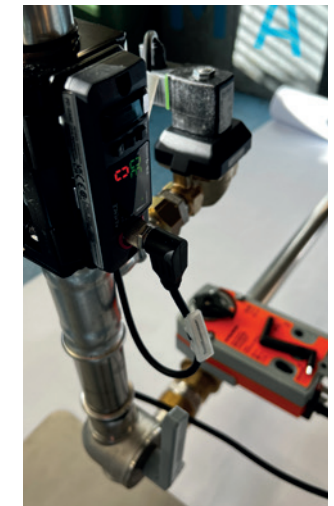
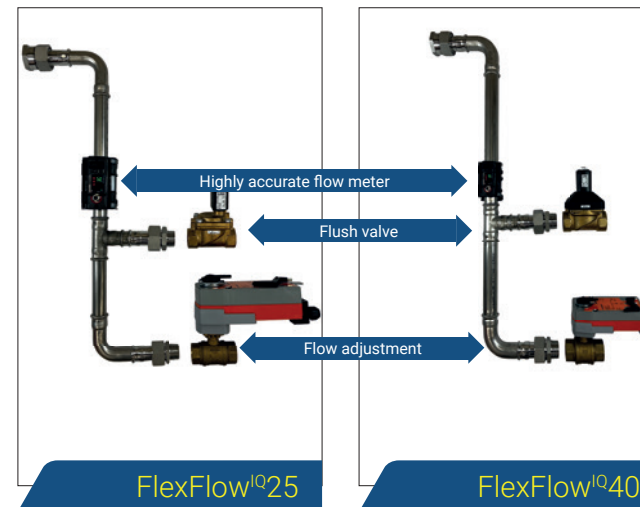
VISADES is a pioneer in the dynamic operation of UV systems, but the technology required for this (precise flow measurement and flow control) has only now become available for small systems and to maintain drinking water certifications.

As a result, the VISADES UV-system can now automatically adjust the flow rate to the irradiation of the UV-lamp and keep the system running down to very low UV-transmittance.

FURTHER ADVANTAGES OF THE FlexFlow^{IQ}

- » Greatest possible operational reliability of the UV disinfection system by adapting the flow to the raw water properties
- » 100%: Use of the full treatment performance of the UV system at any time
- » Minimum and maximum **flow limits** can be set in the software.
- » Minimum and maximum **pressure limits** optionally adjustable.
- » Compact and ready-to-assemble pipe component made of stainless steel (V4a) with all the installations required to operate the UV system.
- » Simple and quick **in-line installation** (inlet and outlet in one line)
- » **Ready to plug in**. All electrical cabling equipped with plug connections.

SCOPE OF DELIVERY – READY TO PLUG IN



FlexFlow^{IQ} FOR CERTIFIED UV SYSTEMS

