

## Deconta Immersion Tube System DTS 25

### Range of Applications:

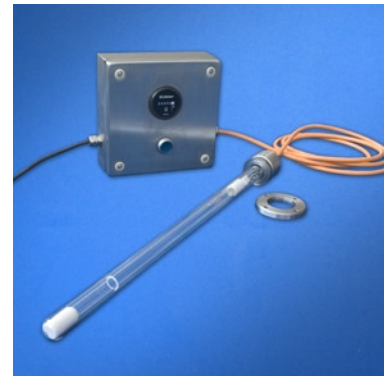
Universal immersion tube system in high grade steel to operate low pressure radiation sources and Indium amalgam, high power radiation sources in water or in air. The system is pressure tight (tubesided up to 10 bar - on both sides up to 2 bar).

### Typical Applications:

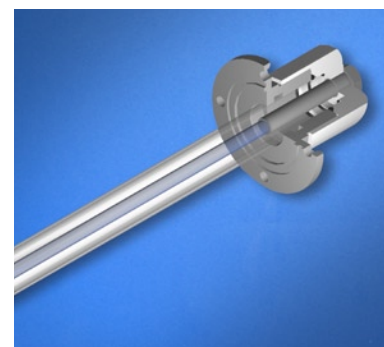
- Fitting in water tanks
- Simple manufacture of water disinfection reactors
- Integration within ventilation and air-conditioning ducting
- Surface disinfection
- Integration in laminar flow instruments
- Disinfection of air in buildings
- Disinfection of machines and machine parts or products passed through machines
- Disinfection of water in wells, cisterns and air washers of ventilation systems
- ...

### Standard Features:

- Easy lamp replacement with no risk of breakage
- Universal system which is "ready to use" for a very wide range of applications
- Can be supplied as a complete system group
- Suitable for virtually all low pressure lamps
- Quick and simple fitting by means of a mounting flange connector or spring clamps
- Electronic power supply with soft start technology
- UV-resistant seals
- The quartz tube cannot be inadvertently unscrewed



**The DTS-Family**  
For many applications the right system!





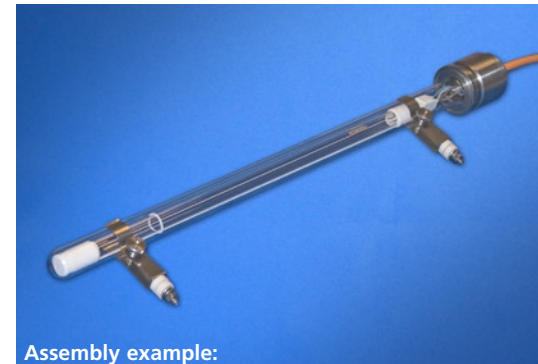
# Deconta Immersion Tube System DTS 25

### Optional Features:

- Coating to prevent glass breakage, to impart chemical resistance and to allow easy cleaning
- Terminal box fitted with sockets to accommodate several systems
- Fixing with spring clamps

### What is Supplied:

The complete head with high grade steel flange, quartz tube, lamp, set of seals, a Gaynor 4-pin plug, electronic power supply, cabling, all pre-assembled



Assembly example:  
Mounting by spring clamps

### Low pressure lamps, ozone-free

System type	Immersion depth	Lamp	Power	Radiation flux @ 185 nm	Radiation flux @ 254 nm	Power supply	Part no.
DTS 25/347-10L	347 mm	GPH 212 T5L/4	10 W	-	2,7 W	TRD6-40	30001
DTS 25/347-12L	347 mm	GPH 265 T5L/4	12 W	-	3,4 W	TRD6-40	30002
DTS 25/347-14L	347 mm	GPH 287 T5L/4	14 W	-	4,0 W	TRD6-40	30003
DTS 25/347-18L	347 mm	GPH 369 T5L/4	18 W	-	6,2 W	TRD6-40	30004
DTS 25/498-21L	498 mm	GPH 436 T5L/4	21 W	-	7,3 W	TRD6-40	30005
DTS 25/953-41L	953 mm	G36T5L/4	41 W	-	18 W	EVG36/425	30007

### Low pressure lamps, ozone-generating

System type	Immersion depth	Lamp	Power	Radiation flux @ 185 nm	Radiation flux @ 254 nm	Power supply	Part no.
DTS 25/347-10VH	347 mm	GPH 212 T5VH/4	10 W	☑	2,7 W	TRD6-40	30008
DTS 25/347-14VH	347 mm	GPH 287 T5VH/4	14 W	☑	4,0 W	TRD6-40	30009
DTS 25/347-18VH	347 mm	GPH 369 T5VH/4	18 W	☑	6,2 W	TRD6-40	30010
DTS 25/498-21VH	498 mm	GPH436 T5VH/4	21 W	☑	7,3 W	TRD6-40	30011

### High power, low pressure lamps (indium amalgam types) ozone-free

System type	Immersion depth	Lamp	Power	Radiation flux @ 185 nm	Radiation flux @ 254 nm	Power supply	Part no.
DTS 25/953-110NNI	953 mm	NNI 120/84	110 W	-	30 Watt	EVG 150	30012

### High power, low pressure lamps (indium amalgam types), ozone-generating

System type	Immersion depth	Lamp	Power	Radiation flux @ 185 nm	Radiation flux @ 254 nm	Power supply	Part no.
DTS 25/953-VA110NIQ	953 mm	NNQ 120/84	110 W	10 W	30 Watt	EVG 150	30013

### Material Information:

- The ozone-generating lamps NIQ are manufactured in Suprasil (synthetic quartz glass).
- When using these lamp, the quartz tube will also be manufactured in Suprasil.
- GPH lamps are manufactured in standard quartz, in which case the quartz tubes are also manufactured in standard quartz.
- The ozone production of Suprasil lamps is higher than that of standard quartz lamps by a factor up to 4.

### Note:

- NNI and NIQ lamps are approved for use in water applications. Approval for use in air flows might be given in relationship to the application (adapted power supply necessary) - Please request.
- Optionally power supply with potential free contact is available (standard with NNI & NIQ systems).