



HEADWORKS
BIOLOGY
SEPARATION
MEMBRANE
▶ DISINFECTION
BIOSOLIDS
SYSTEMS

UV LOW PRESSURE RESIDENTIAL SWIMMING POOL

▶ Applications

- Swimming pool disinfection

▶ Main characteristics

- UV dose of 30mj/cm² for disinfection of swimming pools with flow-rate up to 25m³/h



The TES 18 and 25 were designed to provide residential swimming pools with a cost effective UV system for disinfection and improved water quality.

MAIN FEATURES

- Low pressure UV
- Reduction in chemical requirement
- Improves water quality
- Reduced skin and eye irritation
- Very low capital and electrical running costs
- Lamp change required once per year
- Easy to install and operate with minimal space requirement and can also be installed outdoors

UV TECHNOLOGY: TES 18 & TES 25

TES 18 and 25 low pressure UV systems are designed for disinfection of small residential swimming pools, providing cost effective treatment and improved water quality.

Both systems incorporate a high output low pressure UV lamp with a 9,000 hour bulb life. The range consists of two sizes with flow rates of 18m³/h and 25m³/h.

HOW IT WORKS

The TES 18 and 25 both utilise a high output, low pressure UV lamp which is powered by an electronic ballast, housed within the reactor top cap. For added safety, the reactor top cap also houses a pressure switch to ensure the unit only operates when the pool circulation system is pressurised.

The 2" PVC inlet and outlet unions allow easy connection onto existing or new PVC pipe work systems. Each system also has a pressure gauge on the inlet connection. As water travels through the unit it is disinfected by a 30mj/cm² UV dose from the lamp.

TECHNICAL DATA

| TES Model | UV Lamp | Flowrate ⁽¹⁾ | | Supply Voltage | Supply Rating |
|-----------|---------|-------------------------|--------|----------------|---------------|
| | w | m ³ /h | US gpm | v/ph/Hz | A |
| TES 18 | 58 | 18 | 80 | 230/1/50-60 | 1.6 |
| TES 25 | 80 | 25 | 110 | 230/1/50-60 | 1.6 |

(1) The above flowrate is base on UV dose of 30 mj/cm² at end of lamp life
Units are supplied with a 2.4 meter long power cable length as standard

Standards

- UL Approved
- CE Approved

Standard fittings

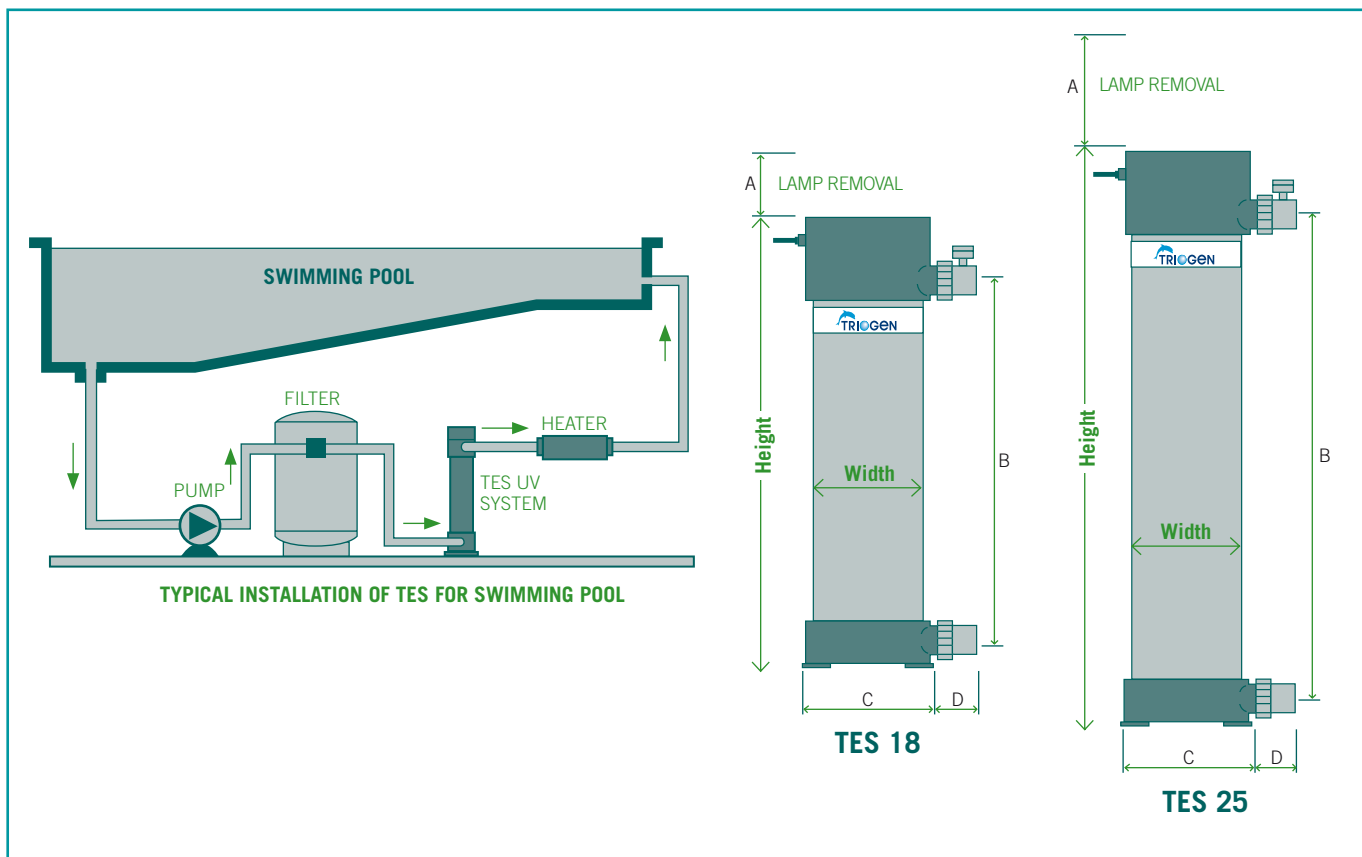
- Pressure switch
- Pressure guage

Materials

- UV Reactor Body: PVC plastic
- Internal Surface: 316 stainless steel reflector
- Outer Sleeve: mirror polished stainless steel
- Inlet/Outlet: uPVC unions

DIMENSIONS

| TES Model | Reactor (mm/inch) | | | | h x w | | Weight | | In-Out |
|-----------|-------------------|-----------|----------|---------|-----------|--------------|--------------|----|--------|
| | A | B | C | D | mm | inch | kg | lb | inch |
| | TES 18 | 460/24.80 | 415/8.03 | 220/866 | 950/374 | 630 x 204 | 24.80 x 8.03 | 15 | 33 |
| TES 25 | 820/38.97 | 770/8.03 | 220/866 | 950/374 | 990 x 204 | 38.97 x 8.03 | 20 | 44 | 2 |



Contacts www.degremont-technologies.com

Degrémont Technologies - Triogen

Craigton,

Glasgow G52 1BD

UK

Tel: +44 141 810 48 61

Fax: +44 141 810 5561

e-mail: info-triogen@degtec.com

Your local distributor: