UV System - AMALGAM SYSTEMS

### Performance
- Certification: WRAS Approved, CE Marked (UVLA-200-4 validated to USEPA UV/DGM 2006)
- UV Dose Range: Minimum Wall Dose / Average UV Dose

### UV lamps and monitoring
- Lamp Number: 1, 1, 1, 1, 1, 1, 1
- Lamp Life: Greater Than 12,000 Hours
- Lamp Design: TWISTLOK PLUS™ Quick Release, Enhanced Safety - Low Pressure Amalgam
- UV Monitoring: AT605 - IP66 (Optional) / AT-463 (4-20 mA) - IP66 (Optional) / AT-900 Validated ÖNORM - IP66 (Optional) (Synergy 3 Required)

### UV Chamber
- Connection Size (mm/inch): DN50/2", DN50/2", DN50/2", DN80/3", DN80/3", DN80/3", DN80/3"
- Connection Type: BS4504 PN10 RF Flange
- Design Pressure: 10 Barg Design (15 Barg test)
- Material Construction: 316L Stainless Steel
- Internal / External finish: 1.6 µm Ra / 1.6 µm Ra
- Standard Body Design: Open Access Chamber
- Mounting: Adjustable PVC Pipe Clips
- Lamp and Wiper Access: Dual Ended
- Wiper System: Manual Wiper System (Optional) / Automatic Wiper System (Optional)
- Temperature Probe: AT-487 (PT-100) - IP66 (Optional)
- Vent & Drain Port: Yes
- Ingress Protection: IP66
- Installation: Horizontal or Vertical
- Chamber Options: 0.4 µm and 0.8 µm Ra Internal Polish Upgrade / Electropolish Upgrade / Super Duplex 25% Chrome Steel / Tri-Clamp Connections

### Synergy 2 - Local Control Cabinet
- Lamp Power Supply: High Frequency Electronic Ballast
- Mains Power: 230 V
- Power Requirements: 1 Phase + Neutral + Earth
- Frequency: 50 Hz / 60 Hz
- Operating Temperature: Max Working Ambient +35 °C
- Operational Information: Please See Synergy 2 Data Sheet (Upgrade to Synergy 3 Optional)

### Key Footprint Dimensions
- A: 1034 mm * 1311 mm * 1734 mm * 1536 mm * 1959 mm * 1534 mm * 1957 mm
- B: 422 mm, 420 mm, 422 mm, 438 mm, 440 mm, 441 mm, 438 mm
- C: 720 mm, 1000 mm, 1240 mm, 960 mm, 1380 mm, 950 mm, 1380 mm
- D: 960 mm, 1240 mm, 1650 mm, 1297 mm, 1720 mm, 1297 mm, 1720 mm
- E: 250 mm, 250 mm, 250 mm, 250 mm, 250 mm, 250 mm, 250 mm
- F: 175 mm, 175 mm, 175 mm, 225 mm, 225 mm, 225 mm, 225 mm
- G: 120 mm, 120 mm, 120 mm, 147 mm, 147 mm, 147 mm, 147 mm
- Dry Weight: 29 kg, 31 kg, 38 kg, 52 kg, 59 kg, 70 kg, 80 kg
- Wet Weight: 37 kg, 42 kg, 52 kg, 76 kg, 92 kg, 111 kg, 135 kg

*Dimension is increased if a wiper is fitted

### Synergy 2 - Dimensions
- Width: 425 mm
- Height: 275 mm
- Depth: 167 mm
- Weight: 9 kg
- Standard Cable Length: 5 metres
- Maximum Cable Distance: Other Cable Lengths Available On Request

For full dimensions please see the specific GA drawing.