



620 Well Glass



621 Bulkhead with wire guard

A popular Zone 1 fitting offering the following benefits:

- Integral Ex e terminal chamber for less corrosion and faster installation
- Long replacement cycle due to robust heavy duty construction
- Wide variety of lamp options
- Versions suitable for use in high ambient temperatures
- Angled installation possible with pivot bracket accessory
- Internal or external reflectors maximises lamp output
- Low profile bulkhead ideal for walkways and pedestrian access points (621 Series)
- Marine grade alloy suitable for offshore installation
- Optional stainless steel labels for enhanced record keeping in harsh environments

### Typical applications

|                 |                |                  |                         |
|-----------------|----------------|------------------|-------------------------|
| Chemical sites  | Offshore       | Exposed walkways | Fuel storage facilities |
| Refineries      | Marine         | Grain storage    | Water treatment plants  |
| Docks / jetties | Pharmaceutical | Paper mills      | Metal treatment plants  |

### Specification & options

### 620 Lamp types & 'T' ratings

| Specification                  | Details                                                                                          | Lamp Types/Lamp holder | 620 Well Glass<br>All certified Ex de IIC (gas) and Ex tb IIIC (dust) |
|--------------------------------|--------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------|
| Certification Code (Gas)       | Ex de IIC Gb T6 - T2                                                                             | 300W GLS (max) / E27   | T3@Ta=55°C                                                            |
| Certification Code (Dust)      | Ex tb IIIC Db T6 - T2                                                                            | 150W SON / E27         | T4@Ta=40°C, T3@Ta=60°C                                                |
| Protection type                | Ex de (flameproof, increased safety)                                                             | 250W SON / E27         | T3@Ta=40°C                                                            |
| ATEX / IECEx type class        | Group II Category 2 GD                                                                           | 125W HPMV / E27        | T4@Ta=40°C, T3@Ta=60°C                                                |
| Certification standards        | EN 60079, EN 61241, IEC 60079, IEC 61241                                                         | 250W HPMV / E27        | T3@Ta=39°C                                                            |
| Certificate(s)                 | SIRA01ATEX1033, IEC Ex SIR09.0029X                                                               |                        |                                                                       |
| Suitable zoned areas           | Zone 1 and Zone 2, Zone 21 and Zone 22                                                           |                        |                                                                       |
| Gas group suitability          | IIA, IIB, and IIC                                                                                |                        |                                                                       |
| Ambient Range (Max)            | -20°C to 110°C - see lamp types                                                                  |                        |                                                                       |
| Material                       | Corrosion resistant long life marine grade aluminium body with toughened borosilicate glass dome |                        |                                                                       |
| Ingress protection (IP rating) | IP66                                                                                             |                        |                                                                       |
| Cable Entries                  | 2 x M20—ISO (1 plugged) as standard<br>Other threads available                                   |                        |                                                                       |
| Electrical connections         | 4 wire and earth. Cable size 4mm <sup>2</sup> max<br>With looping facility                       |                        |                                                                       |
| Control Gear (when fitted)     | Electronic ballast, ignitor & capacitor                                                          |                        |                                                                       |
| Supply voltage                 | 240V 50Hz                                                                                        |                        |                                                                       |
| Installation / Mounting        | Back mounted fixing strap                                                                        |                        |                                                                       |
| Re-lamp access                 | Via removable screw threaded glass dome                                                          |                        |                                                                       |
| Weight                         | 12.5 - 16.0kg (lamp dependant)                                                                   |                        |                                                                       |

| Lamp Types/Lamp holder   | 620 Well Glass high temperature (HT) version<br>All certified Ex de IIC (gas) and Ex tb IIIC (dust) |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| 300W GLS (max) / E27     | T3@Ta=85°C                                                                                          |
| 150W GLS / E27           | T3@Ta=100°C                                                                                         |
| 100W GLS / E27           | T4@Ta=40°C, T3@Ta=100°C                                                                             |
| 150W SON / E27           | T3@Ta=90°C                                                                                          |
| 250W SON / E27           | T3@Ta=70°C                                                                                          |
| 250W HPMV / E27          | T2@Ta=65°C, T3@Ta=50°C                                                                              |
| 125W HPMV / E27          | T3@Ta=90°C                                                                                          |
| 2x105W Halogen GLS / E27 | T3@Ta=85°C                                                                                          |
| 105W Halogen GLS / E27   | T4@Ta=40°C, T3@Ta=100°C                                                                             |
| 3x70W Halogen GLS / E27  | T3@Ta=55°C                                                                                          |
| 2x70W Halogen GLS / E27  | T4@Ta=33°C, T3@Ta=100°C                                                                             |
| 70W Halogen GLS / E27    | T4@Ta=33°C, T3@Ta=110°C                                                                             |
| 2x70W Halogen H1         | T4@Ta=33°C, T3@Ta=100°C                                                                             |

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| Options       | Details                                      |
|---------------|----------------------------------------------|
| Pendant Mount | Flexible mounting with eyebolts (PM option)  |
| Reflectors    | Internal & External are available (R option) |
| Wire guard    | For glass dome impact protection (WG option) |
| Pivot bracket | For complete directional control (PB option) |



External reflector option



Wire guard option

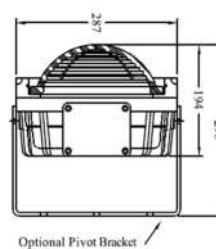


Coloured glass option

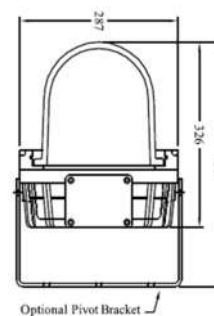
## 621 Lamp types & 'T' ratings

| Lamp Types/Lamp Holder      | 621 Bulkhead<br>All certified Ex de IIC (gas) and Ex tb IIIC (dust)                               |
|-----------------------------|---------------------------------------------------------------------------------------------------|
| 200W GLS (max) / E27        | T4@Ta=33°C                                                                                        |
| 125W HPMV / E27             | T4@Ta=40°C                                                                                        |
| 80W HPMV / E27              | T4@Ta=40°C, T3@Ta=60°C                                                                            |
| 25W SL / E27                | T6@Ta=40°C, T5@Ta=60°C                                                                            |
| 70W SON / E27               | T4@Ta=40°C                                                                                        |
| Lamp Types/Holder Available | 621 Bulkhead high temperature (HT) version<br>All certified Ex de IIC (gas) and Ex tb IIIC (dust) |
| 200W GLS (max) / E27        | T3@Ta=60°C                                                                                        |
| 125W HPMV / E27             | T3@Ta=70°C                                                                                        |
| 80W HPMV / E27              | T3@Ta=90°C                                                                                        |
| 25W SL or PLCE / E27        | T5@Ta=60°C                                                                                        |
| 70W SON / E27               | T3@Ta=90°C                                                                                        |
| 2x70W Halogen GLS / E27     | T4@Ta=33°C, T3@Ta=90°C                                                                            |
| 70W Halogen GLS / E27       | T4@Ta=33°C, T3@Ta=100°C                                                                           |

### Fixing & Dimensions/mm



621 Bulkhead



620 Well Glass

### How to select your product for ordering

Example: A 620 wellglass with twin 70W halogen lamps, with reflector and wire guard, for use at high ambient temperatures

Model / Lamp type / Mains voltage / Mains frequency / Options / Options / Options

620

2x70WHal

240

50Hz

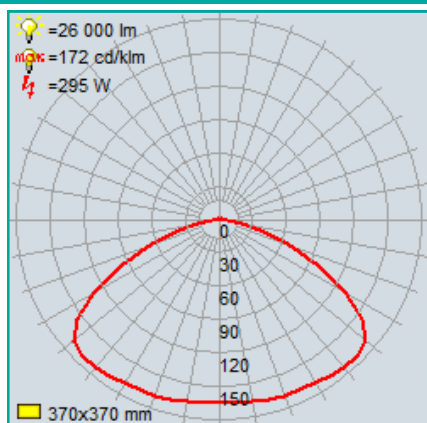
Reflector

Wire Guard

High Temperature  
version

Product code required is:

620 / 2x70HAL / 240 / 50 / R / WG / HT



Photometric data available—contact for details

### Also available from Petrel



Zone 1 Floodlight



Zone 1 Fluorescent

Representation worldwide