

Hazardous Area Equipment



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 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 Other threads available | | |
| Electrical connections | 4 wire and earth. Cable size 4mm ² max 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 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

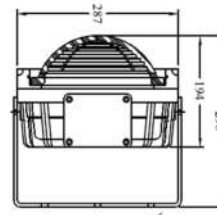


Coloured glass option

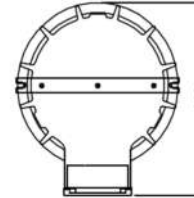
621 Lamp types & 'T' ratings

| | |
|-----------------------------|---|
| Lamp Types/Lamp Holder | 621 Bulkhead 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 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 |

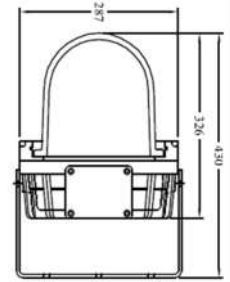
Fixing & Dimensions/mm



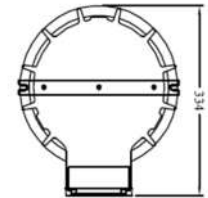
Optional Pivot Bracket



621 Bulkhead



Optional Pivot Bracket

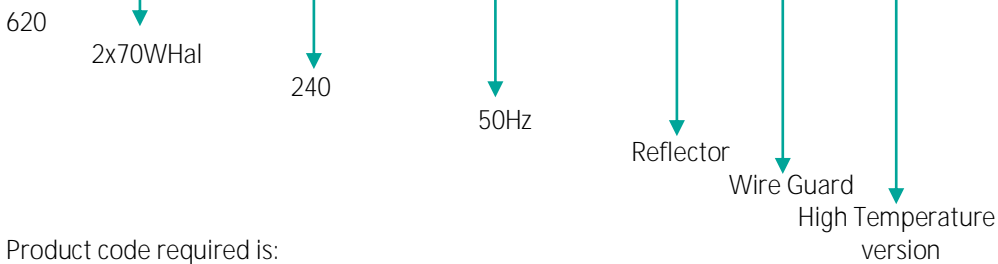


620 Well Glass

How to select your product for ordering

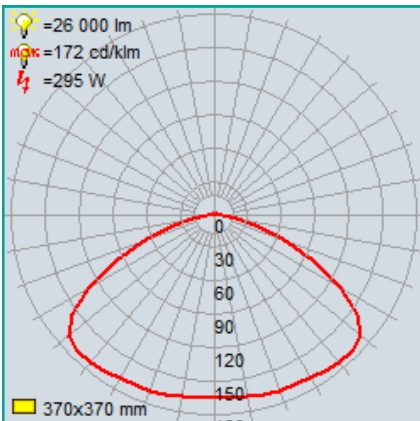
Example: A 620 wellglass with twin 70W halogen lamps, with reflector and wire guard, for use at high ambient temperatures

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



Product code required is:

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



Photometric data available—contact for details

Also available from Petrel



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Zone 1 Fluorescent

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