

## CAMERA HOUSINGS : FLAMEPROOF

## Phoenix 7" ATEX Flameproof Housing

## DESCRIPTION

The Bewator "Phoenix Flameproof" equipment is ATEX certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present.

The housing is designed to prevent explosions by containing any heat, sparks, or flames generated. This prevents potentially explosive atmospheres or materials outside the equipment being ignited.

The housing is ATEX certified for use in IIB gas environments (includes ethylene and propane). The housing can be factory-fitted with a wiper.

## PRODUCT IMAGE



## TECHNICAL INFORMATION

**Product Specification**

Certification to European ATEX Directive 94/9/EC.  
Ex ii 2 GD  
-Group ii: Not suitable for mining applications.  
-Category 2: Protection suitable for normal operation and frequently occurring disturbances where faults are normally taken into account. Equipment remains energised and functioning in Zones 1,2(G) and/or 21,22(D).  
EExd IIB T6  
-Flameproof enclosure to standard EN 50 014 and EN 50 018 Zones 1 & 2.  
-Flammable gas is likely to occur in normal operation.  
-Group IIA/IIB - Typical gas vapours: Ethylene, coke oven gas, dimethyl ether, diethylether, ethylene oxide.  
-T6 Temperature class: based on ambient temperature of 40° C.  
-Maximum surface temperature generated by the unit does not exceed 85° C.

**Dimensions** Supplied complete with heater & sun shield.  
545x209x186mm (LWH)  
**Internal Dimensions** 290x114x94mm (LxWxH)  
**Unit Weight** 10kg  
**Temperature Range** -20° C to +40° C

**Environmental** IP67 BS EN 60 529  
**Power Supply** 24/110/230V AC Options  
**Colour** Body: Polyester Powder Coat RAL1020 (Yellow). Endplates: Clear Anodised. Sunshield: White Polyester Powder Coat.

**Heater / Thermostat Spec** 230,110,24V AC @ 1A Max.  
**Material** Aluminium extrusion (housing body), aluminium (end caps and sunshield)  
**Cable Entry Into Housing** Internal Terminal Block, 4 off 20mm x 1.5 threaded holes for certified glands, fitted with BASEEFA certified blanking plugs. Standard 3 Conductors 0.75mm2  
**Power Cable Recommendations**  
**Relative Humidity** 95% Non-Condensing Max.  
**MAXIMUM Lens Parameters** Length: 170mm  
Cross Section Area: 85 sq.cm  
Power Dissipation: 5Watts  
**MAXIMUM Camera Parameters** Length INCLUDING Lens: 320mm  
Cross Section Area: 54 sq.cm  
Power Dissipation: 10Watts  
**Special Features** Certification required for equipment fitted within housing (camera, lens etc.)  
**Demister** 7 Watts nominal. PTC resistor heating element.  
**Wash/Wipe** wiper Factory-Fit Option: 230,24 or 110Vac

**PRODUCT CODES & VERSIONS**

FH07B-30 (FH07 7" 230V AC ATEX IIB Flameproof Housing)  
FH07B-30/L (FH07 7" 24V AC ATEX IIB Flameproof Housing)  
FH07B-30/U (FH07 7" 110V AC ATEX IIB Flameproof Housing)

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