

Natgraph



Self Contained Exposure Units

Natgraph manufacture a complete range of Self Contained Exposure Units to accept an extensive range of frame sizes within these compact, cabinet type systems. This design incorporates the Metal Halide Light Source in the base of the unit and the glass/vacuum frame on top; these units are therefore fully enclosed allowing safe operation, even in open work rooms.

A 6 model range covers every requirement, with 3 different sizes and various light source power levels available. From the small model 0, the mid sized model 1, 2 and 2B up to the larger models 3, 3A and 3B, there is a unit to accept all small to medium sized screen frames. All models include a Light Integrator as standard with additional features, including fluorescent touch-up lights and low power selection as standard.

For industrial, textiles, education and graphic applications, these self contained units are capable of exposing direct, capillary film or indirect photo-stencils as well as litho and pad printing plates, photo etch resists etc.

IN THE CASE OF THE
LAMP FRONT GLASS BEING BROKEN
THIS UNIT MUST NOT BE OPERATED
THE UNFILTERED ULTRA-VIOLET RAYS
ARE DANGEROUS

Natgraph

INGHAM - ENGLAND

SELF-CONTAINED EXPOSURE UNIT

LOW POWER
HIGH POWER

TUBES

1 123



LIGHT INTEGRATOR

CANCEL START

1 2 3

LIGHT UNITS

VACUUM

LAMP ON

ISO

Self Contained Exposure Units

The Natgraph range of Self Contained Exposure Units is designed to accept a wide range of screen frame sizes within these cabinet type systems. This design incorporates the light source in the base of the unit and the glass/vacuum frame on top; these units are therefore fully enclosed allowing safe operation even in open work rooms.

The intimate contact required for stencil exposure is obtained from a powerful yet quiet suction unit, the use of large bore pipework gives a quick 'pull down' time. The vacuum blanket is mounted to the top of the raising frame and the air exhausted through holes in the inside of this frame; thus allowing the total glass area to be utilised. The raising rubber frame is supported by 2 gas filled lifting arms.

All controls, including a Light Integrator are located on a front panel fitted to a large detachable service door. Fluorescent tubes (1 in the model 0) are also fitted to aid in the 'touching up' of positives etc. These units are of steel construction, on castors for mobility and are of a split construction allowing them to pass through a standard doorway during installation.

A 6 model range covers every requirement, with 3 sizes and various light source power levels available. From the small model 0, the mid sized model 1 and 2B up to the larger models 3, 3A and 3B, there is a unit to suit all small to medium sized screen frames.

Metal halide light sources from 1600 watts with automatic shutters, through to 2kW & 4/6kW systems having either rapid start or automatic shutters fitted depending upon the frame size and speed of operation required. The light sources can be fitted with either Diazo (420nm) or Photopolymer (365nm) lamps. (A universal lamp is fitted to models 0 & 1.)

Exposure Unit Features

- Light Integrator (memory option)
- Easy lamp change and glass cleaning
- Rapid start or Automatic Shutter option
- Compact self contained unit
- Split construction
- Fluorescent 'touch up' lights
- Single phase and three phase versions
- Available in 6 sizes



Powerful vacuum system



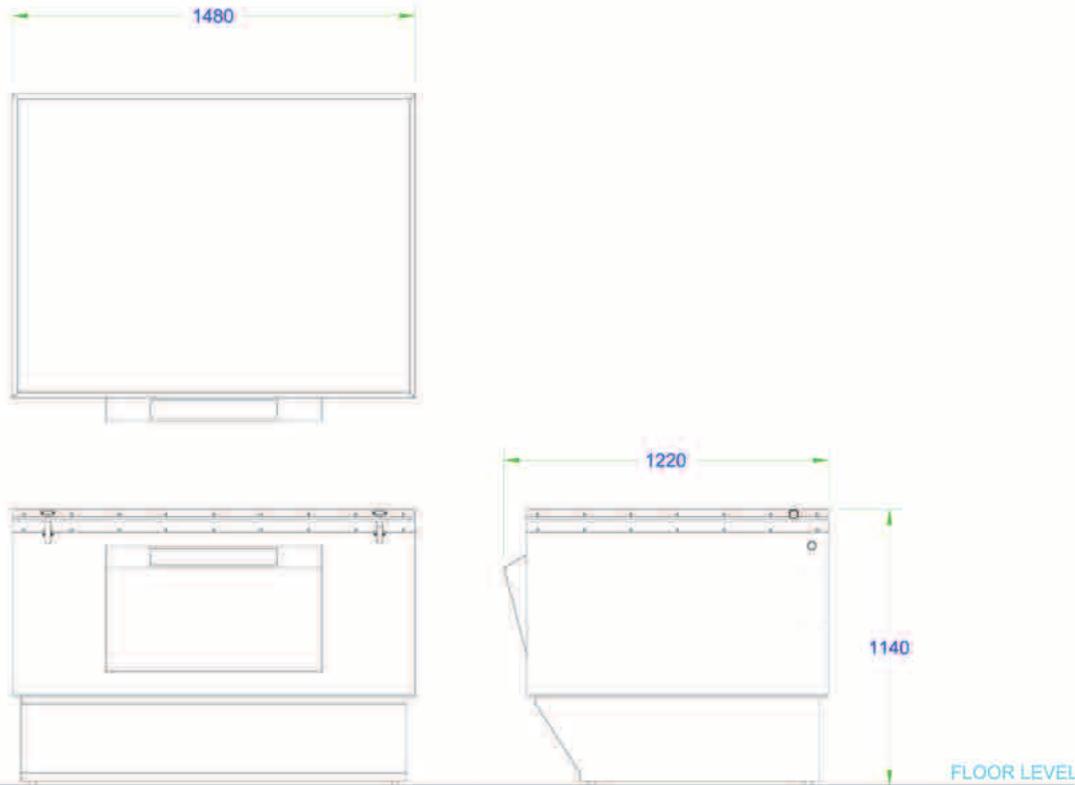
Metal halide light source



Large bore pipework



Compact construction



Specifications: Self Contained Exposure Units

| Model No. | 0 | 1 | 2B | 3 | 3A | 3B |
|---------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Maximum Frame Size | 69 x 100cm (27" x 40") | 99 x 125cm (39" x 49") | 99 x 125cm (39" x 49") | 127 x 171cm (50" x 67") | 127 x 171cm (50" x 67") | 127 x 171cm (50" x 67") |
| Lamp Power | 400 / 1600w | 400 / 1600w | 4 / 6kW | 4 / 6kW | 400 / 1600w | 4 / 6kW |
| System | Auto Shutter | Auto Shutter | Auto Shutter | Rapid Start | Auto Shutter | Auto Shutter |
| Height | 115cm (45") | 115cm (45") | 115cm (45") | 124cm (49") | 124cm (49") | 124cm (49") |
| Width | 130cm (51") | 148cm (58") | 148cm (58") | 198cm (78") | 198cm (78") | 198cm (78") |
| Depth | 94cm (37") | 122cm (48") | 122cm (48") | 158cm (62") | 158cm (62") | 158cm (62") |
| Weight | 150kgs (331lbs) | 181kgs (399lbs) | 250kgs (551lbs) | 314kgs (551lbs) | 296kgs (653lbs) | 336kgs (741lbs) |
| Voltage | Single Phase | Single Phase | Three Phase | Three Phase | Single Phase | Three Phase |
| | 230V 50Hz.AC | 230V 50Hz.AC | 400V 50Hz.AC | 400V 50Hz.AC | 400V 50Hz.AC | 400V 50Hz.AC |
| Current | 10 Amps | 10 Amps | 20 Amps | 20 Amps | 13 Amps | 20 Amps |

The manufacturer's policy is one of continuous improvement and the manufacturer therefore reserves the right to change or modify the design without prior notice. The technical specifications given are therefore for information only.

Download our
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