



# Gasworks Theatre

## TECHNICAL SPECIFICATION v4.1

### 1.0 Auditorium

#### 1.1 Theatre Capacity

The Gasworks theatre is a performance space with a flat floor and a raked, seating system. The venue is particularly suited to productions where intimate contact between the audience and the performers is required. The theatre is wheelchair accessible and fully air-conditioned.

The seating bank can accommodate 194 patrons in our standard configurations. By special request, we can fit up to 300 seats for events that require a very small stage space, such as conferences. The number of rows on the floor alter the number of seats available for sale to patrons.

If you require seats to be held for followspots, additional sound, AV or lighting equipment or for filming video, this will reduce the number of seats available.

### 2.0 Stage Details

#### 2.1 Dimensions

Width, wall-to-wall	16.20m
Length, wall-to-wall	21.00m
Height to grid (lowest, outer 2 LX bars)	5.60m
Height to grid (mid., inner 2 LX bars)	6.10m
Height to grid (highest, middle 3 LX bars)	6.28m

## 2.2 Stage Floor

Tongue and groove (hoop pine) timber suspended on 12mm neoprene pads overlaid with tempered masonite. Painted Scenic Studios Stage Black. Please consult with Gasworks technical staff before using fixings (screws or nails) to the floor or walls.

## 2.3 Stage Access/Egress

Loading dock/exit door (East side) 1.43m (w) x 2.45m (h)  
Single door opening outward to park. Access for up to 2m high vans.

Seating storage dock (West side) 2.35m (w) x 2.95m (h)  
Double doors opening outward

Dimmer Room door (South-West side) 1.6m (w) x 1.95m (h)  
Double doors opening outward

Foyer entry/exit door (South side) 2.4m (w) x 2.3m (h)  
2 x Single doors opening outward into Sound Lock.  
Double doors opening outward into Foyer.

## 2.4 Dressing Room

Four dressing rooms (typically two dressing rooms allocated to each show when both Theatre and Studio are in simultaneous use).

Each room can accommodate up to 8 people comfortably.

Each dressing room is fitted with benches, mirrors, mirror lights, heating/cooling and paging (paging runs to ALL dressing rooms. Cannot be separated).

There are a total of 7 unisex toilets (5 conventional, 1 ambulatory, 1 wheelchair accessible) as well a total of 4 unisex showers (3 conventional, 1 ambulatory/wheelchair accessible).

There are laundry facilities available on request. There is an iron and ironing board available.

There is a basic kitchenette where hot and cold and boiling water is available. Some cups and crockery are available but not guaranteed. Tea/coffee/milk etc must be supplied by the show(s). This Kitchenette is a shared space between shows and Gasworks Admin, so all dishes must be cleaned, dried and put away as used. Should the kitchenette remain unclean a cleaning fee will be on-costed to the show(s).

## 2.5 Foyer

The foyer has a small PA system capable of making announcements, playing CDs or connecting to a portable music device. Access to playback equipment is only available when Gasworks staff are rostered.

The foyer is also a gallery space for our Visual Arts exhibitions program.

## 2.5 Testing & Tagging

All portable electrical equipment provided by the venue is tested and tagged according to AS/NZS3760 Australian Standard

Any portable electrical equipment brought into the venue **must be** tested and tagged to this Australian Standard. Testing of a small number of items may be done by the venue staff by prior arrangement and **at a cost** to the hirer.

## 3.0 Sound Reinforcement

### 3.1 House System

The Gasworks Theatre is equipped with a basic audio system sufficient for production playback and limited sound reinforcement applications.

### 3.2 System Control

Control Console

#### **Allen & Heath QU24 Digital Console**

30 inputs [24 Mic/Line (XLR/TRS), 3 stereo TRS]  
24 outputs [Main L/R (XLR), 10 Mix (4 mono XLR, 3 stereo XLR), 2 Groups (stereo XLR), 2 Matrix (stereo XLR), 1 2TRK out (TRS), 1 ALT out (TRS)]  
Onboard Effects and EQ

Patching

#### **Allen & Heath dSnake 16/8**

[16 XLR inputs, 8 XLR outputs]  
4 x XLR shared input/output in-house patching in DSP, USOP, USP corners  
4 x XLR input + 16 x XLR output in-house patching in DSOP corner  
Additional looms available on request (subject to availability)

### 3.3 Speakers/Amplifiers

Speakers

#### **RCF ART 315**

Powered 2 way, 12" LF, 1" HF drivers  
Flown (inverted w/HF drivers at bottom)

### 3.4 Processing/Effects

Console

#### **Allen & Heath QU24 Digital Console**

Onboard processing: Gate, HPF, PEQ (across all inputs and outputs), GEQ (across all outputs), compression

Onboard effects: Reverb, Delay, ADT (Auto Double Tracking), Chorus, Symphonic Chorus, Flanger, Phaser, Gated Verb

External units                      Behringer Ultra-Graph Pro GEQ3102  
Dual Channel 31 Band Digital Graphic EQ

DBX 231S EQ  
Dual Channel 31 Band Graphic EQ

### 3.5 Playback

Digital                                  Mac Mini  
Running Qlab 4 Basic License (1 x Stereo playback + 1 x AV feed)

Compact Disk                      Denon CD635 dual CD Player

### 3.6 Microphones & DIs

*(All items listed below are shared between **all** gasworks venues,. Items may be booked during your production meeting, or by telephone or email prior to your event)*

Vocal                                  2 x Shure Beta 58  
1 x Shure Beta 57  
4 x Shure SM 58  
1 x Shure SM 57  
3 x Sennheiser ew100 G3 Handheld Radio Mics (566 MHz – 608 MHz)  
1 x Sennheiser ew100 G3 Headset RF Mic (1785 MHz – 1800 MHz)

*Please note it is illegal to broadcast within the 610 MHz – 652 MHz range*

Dl's                                      3 x Active Dual Behringer

### 3.7 Other

Multicore                              16/4 analogue multicore (subject to availability)

Microphone Stands                3 x Boom Stand  
2 x Heavy based upright stand

Microphone Leads                Assorted

## 4.0 Lighting Equipment

### 4.1 Lighting Grid

The Gasworks Theatre lighting grid consists of 7 fixed Lateral Lighting bars (running the length of the theatre), 1 FOH Motorized Truss (FOH 2) running cross-stage, and 1 Fixed FOH (FOH 1) cross-stage bar.

Each Lateral Lighting Bar has 30 load circuits at 600mm centres.

The FOH 1 Fixed Lighting Bar has 17 load circuits at 250mm centres

The FOH 2 Motorized Truss has 17 load circuits at 250mm centres.

There are 44 floor circuits in the Theatre.

There are 2 x 6 circuit patch bays located in the corners of the **STAGE ("Onstage")**: DSOP, DSP, USOP, USP.

There are a further 4 x 5 circuits found in the corners of the **ROOM ("Offstage")**, inside a metal box.

There is additional 3Phase power available for portable dimmer racks if required.

The total load capacity of the lighting grid is 1,600 kg. This load must not exceed 200kg to each nodal point of the truss.

A covered dip trap (cable duct) that is internally divided with separate provision for audio, lighting control and power cables runs the perimeter of the theatre space.

### 4.2 Lighting Control

Control Console

**ETC Ion Console**

*Please confirm software update and fixture library at production meeting or via email*

There is no control room in the facility. Control desk position is the rear corner of the seating bank.

Wireless Riggers Remote

Wireless Access Point: GasworksLX

Password: gasworkslx

ETC aRFR app or device not available through Gasworks and must be supplied by hirer

### 4.3 Dimmers and Patching

Patch bay and dimmers located in a plant room adjacent to the dressing room.

Dimmers

5 x LSC ePAK 12 channel

(60 channels x 2.4KVA)

1 x LSC GenVI 12 channel

(12 channels x 2.4KVA)

*GenVI rack can be set to TruePower, creating either an Auto-on nondimmed outlet or a DMX controllable non-dimmed outlet. Please talk with technical staff if you require this.*

Load Circuits (Sub patches) Lateral Lighting Bars – 210 (1-210)  
FOH 1 Fixed Lighting Bar – 17 (231-248)  
FOH 2 Motorized Truss – 17 (249-266)  
“Onstage” Floor Circuits – 12 (267-278)  
“Offstage” Floor Circuits – 20 (211-230)

#### 4.4 Additional Power

Dimmer room 2 x Wilco 5 pin 30 amp 3 phase  
Stage floor (corners) 4 x Wilco 5 pin 30 amp 3 phase

#### 4.5 Lanterns

*Lamps highlighted in **GREEN** are part of Standard Lighting Plan. Any adjustments to Standard Lighting Plan need to be reset at bumpout.*

Profile 4 x Selecon Pacific 23/50 **650w**  
15 x ETC Source 4 junior Zoom 25/50 575w  
3 x Selecon Acclaim Profile 24/44 650w  
4 x Prolite Profile 25/45 1K (*subject to availability*)

Fresnel 24 x ETC Source 4 Fresnel 750w w/barndoors  
6 x Strand Cantata Fresnel 1K w/barndoors  
6 x Strand Patt 223 Fresnel 1K **WITHOUT** barndoors  
16 x Pheda 1000W Cyclorama units (4 x banks of 4 units)

**Stands** 4 x Steel, side boom bases  
4 x Timber H-stands  
4 x Steel barrel H-stands  
12 x 90degree boom arms (varying lengths)  
Short scaff pipes and 90degree scaff clamps (*subject to availability*)

All lanterns are equipped with hook clamps, bolt sets, safety cables and colour frames.

Unless noted, fresnels are equipped with barndoors.

Gobo holders are available for the Pacific profile spots.

Gobo holders are available for 8 Source 4 junior zooms.

Gobo holders are available for 2 Selecon Acclaim profiles

Gobo holders are available for 2 Prolite profiles

Additional lighting stock may be available at an additional cost

#### 4.6 House/Work Lights

8 x 150w QI flood lights, running through one dimmer and operated from lighting console.

Motorized skylight shutters can be opened for additional daylight

Fluorescent work lights powered from Dimmer Room through GPO. Must be left on when Theatrical lighting is not in use. ***Leave work lights on when locking venue up at the end of the day.***

### 5.0 Rigging & Staging

#### 5.1 Rigging Equipment

There is an assortment of rigging gear including, slings, shackles, scaff clamps, scaff pipe, etc. available. Any rigging must be discussed prior to bumpin, and a qualified rigger employed to carry out the work where necessary.

**All rigging in the venue must be installed and signed off by a licensed rigger.**

**All rigging must be coordinated through and approved by Gasworks Technical Manager.**

#### 5.2 Stage Cloths

**Drapes** (black wool)                      5.50m high x 2.50m long

(Note, the grid is at 6m. If drapes are to reach the floor, they must be hung from perimeter curtain track, or from bars that need to be rigged at correct height and position for your specific production)

These leg drapes are used to create wings/legs and also the rear crossover. Drapes are in standard positions. *Any adjustments to drapes from standard positions must be reset back to standard positions at bumpout.*

**Cyclorama**                                      4.5m x 12m  
Hung against rear wall. NO CROSSOVER ACCESS  
BEHIND CYCLORAMA.

**US Smother**                                    5.3m x 10m  
Smother splits at centre and can track offstage. Each  
side of smother must be *manually operated from  
stage level, from centre (when opening)*

## **6.0 Audio Visual Equipment**

Gasworks can provide the following audio-visual equipment at an **additional cost** to the hirer:

All items listed below are shared between all Gasworks venues, and must be booked prior to your event to ensure availability.

### **6.1 Projector**

Sanyo PLC-XM150 6000 ANSI lumen Projector

### **6.2 Media Players**

Sony DVP-NS50P DVD Player

LG DZ111 DVD Player

Mac Mini running Qlab 4 (see **3.5 Playback** for more details. This is included in hire and is not at additional cost)

### **6.3 Screens**

Flat portable tie-up screen. 3M x 1.8M.

(Ties onto a bar. Has a pocket for water pipe or batten pipe in the bottom. Small additional cost applies for this screen)

### **6.4 Lecturn**

1 x free-standing gold & black lecturn

Additional AV equipment may be sub-hired through Gasworks suppliers

## **7.0 Working at Heights**

### **7.1 EWP (Elevated Work Platform)**

The theatre provides 2 x JLG elevated work platforms. The 20MVL model has a 5.9m platform height, standard extension platform width 800mm, and point and go steering.

It is policy at Gasworks that operators of this EWP must either have an EWP operators ticket, or be supervised by someone who does.

### **7.2 Ladders**

Aluminium 'A' frame ladder (2.1m)

Fibreglass 1.6M ladder

All ladder work over a height of 2m must be done with an approved harness as per Occupational Health & Safety Act 2004.



## 8.0 Contact Information

Gasworks Arts Park  
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