

Lab Utility Controller Submittal Sheet



Project Name: _____

Project Address: _____

Project Engineer: _____

AGS Project Number or Quote Number: _____

Room # / Area #: _____

No. of Units for this Sheet: _____



Utility Control Panel:

UL 61010 3rd Edition.

Number of Master Control Button (MCB) or Outputs.

With Gas Proving

- 1000S () Single (gas)
- 1000S+ () Dual (gas & service 2)
- 1000SW+ () Triple (gas, service 2, service 3)

Without Pressure Transducer

- 1000Si () Single
- 1000S+i () Dual
- 1000SW+i () Triple

Button Designation

Button 1. _____ Button 2. _____ Button 3. _____

Flush Mount (AGSFMK Flush Mount Kit Required) _____ Wall Mount _____

Time Out Function: 2 hours _____ (Factory Set 2hrs) 4 hours _____ 8 hours _____ No Time Out Function _____

Gas proving settings (when using Pressure transducer)

Pressure Fill Time: 5 Secs _____ (up to 50ft Gas Train) 10Secs _____ (>50ft Gas Train)

Pressure Drop Test Time: 30 Secs _____ (Factory Set Standard Test) 60Secs _____ (More Sensitive Test)

Service On When In Alarm Mode: Button 2 _____ Button 3 _____ ALL OFF In Alarm Mode _____

BMS / BAS Output: Relay Changes State in Alarm Mode _____ Or Gas On/ Gas Off _____

Auto-Reset Function: On _____ Off _____

F.A.C.P Interrupt (Fire Alarm Shuts Down Panel via Remote Emergency Stop Circuit) _____

Exhaust Fan / Purge Fan Activation in Alarm: Via BMS Relay Output _____ Or Interrupt Man Fan Control _____

Provide Separate Manual Fan Control Button 1HR Button _____ (AGSMANFANT Required)

Provide Purge Fan Relay _____ (AGSFS1)

Standard relay will run fan whilst Merlin panel is in alarm

Provide Purge Fan Time Delay 1HR Relay _____ (AGSFS1)

Timed delay relay will run purge fan for 1hr after alarm condition

Gas Safety Systems

Utility Control

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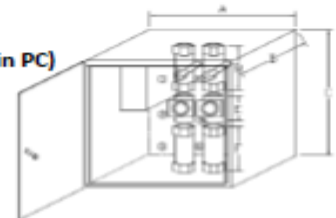


Solenoid Valve Requirements Per Room/Area:

| Type | Size | Qty | Pressures | NC | 120vac | Special requirements |
|--------------------|------|-----|-----------|-----|--------|----------------------|
| Nat Gas | | | 0-2PSI | Yes | Yes | UL Apprvd |
| CW | | | 2-230PSI | Yes | Yes | NSF 61Apprvd |
| HW | | | 2-230PSI | Yes | Yes | NSF 61Apprvd |
| Oxygen | | | 0-200PSI | Yes | Yes | |
| CA Com-pressed Air | | | 0-200PSI | Yes | Yes | |
| Vacuum | | | 0-116PSI | Yes | Yes | |
| Other | | | | Yes | Yes | |

Solenoid Enclosure

- Powder Coated Stainless Steel
 Wall Mounted Semi – Recessed Flush Mounted (only Available in PC)
 Size



* When selecting enclosure size; number and size of solenoids should be considered. For assistance with selecting enclosure size please contact your local representative or the AGS sales office. All enclosures are NEMA 4, UL 508
 Items not supplied, possibly required for final assembly include ball valves, in line strainers, conduit, wiring, grommets these items are to be sourced locally and provided by the P.C.

Electrical Service

E.C. to supply parts per drawing _____ P.C. to supply parts per drawing _____
 AGS designed solution _____ Engineer designed solution _____

Remote Emergency Shut Off Button:

Red Mushroom Twist Release Type _____ Key Lock Re-set _____ Flush Mount _____
 Wall Mount(Exposed Conduit) _____ Audible Alarm on Shield _____
 Qty Per Room _____
 Room # and Qty if different _____

Gas Detector: (Max #3 Detectors Per Utility Control Panel)

Nat Gas (Methane) AGSNGXS Qty Per Room _____
 CO (Carbon Monoxide) AGSCOXS Qty Per Room _____
 LPG AGSLPGXS Qty Per Room _____
 OD (Oxygen Depletion) AGSNOXS Qty Per Room _____

Additional Accessories or Notes:
