



TAILORED GAS SYSTEMS AND GAS PANELS FOR VARIOUS WAFER PRODUCTION TECHNOLOGIES

SVCS takes advantage of many years of experience in manufacturing tailored gas panels and gas systems for various wafer production technologies, as R&D customized panels. SV-DELI gas delivery system well as various family offers a high level of technical design, components from the world leaders and a fully automatic control system with independent





Ultra High Purity

Features and Benefits

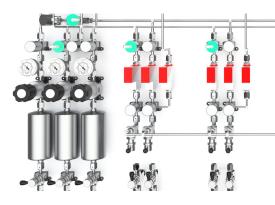
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Fully automatic control system with Touchscreen display Automatic cycle purging Cylinder pressure or cylinder weight monitoring Pressure transducer for output pressure monitoring Excess flow switch

Programmable cylinder pressure or weight limits for auto changeover External digital inputs and outputs

Multiple level password protection for various operation modes

Ethernet interface for LAN connection



AGC | VMB | Gas Panels



AGC Automatic Gas Cabinets

- Open, wall mounted systems (for inert gases) depending on configuration
- 1-cylinder cabinet, with purge gas from external source
- 2-cylinder cabinet
 - | 2 process gas cylinders, w/purge gas from ext. source + auto changeover | 1 process gas cylinder, 1 purge gas cylinder
- 3-cylinder cabinet (2 × process + 1 × purge), with auto changeover

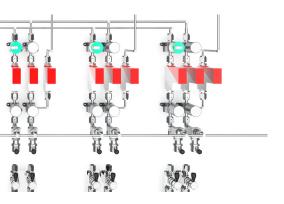
VMB Valve Manifold Boxes

- 2 typical modifications: 2-4 and 5-8 independent outputs
- A wide range of automation: from manual control to fully automatic
- Optional conenction to the integrated control system SVCS Super Visor Process gas leak detection
- Hazardous gases detection and ventilating the space of gas panels

Gas Panels

- | Orbital welded, manufactured and assembled in 10/100 Cleanroom
- | 100 % Helium leak test and functional test of all individual components before/after welding and panel assembly
- | Tubing, fittings, valves, pressure regulators, filters, flow devices and MFCs with either metal face or butt weld connections
- Surface roughness Ra max. 10 µinch or better
- Very low internal volume achieved by using special mini-weld heads
- Compact internal vacuum generator for cycle purging

Gas Delivery Systems



Optional

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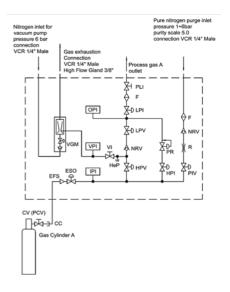
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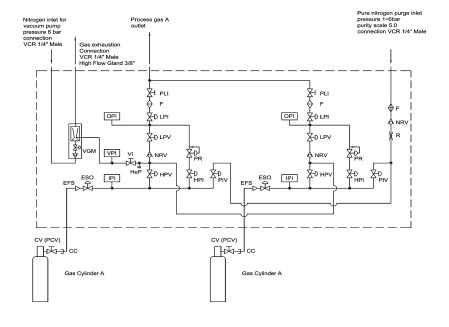
- Tailored gas panel according to specific customer request Pigtail purging manifold ("deep-purge")
- Monitoring of presence dangerous gas Pressure monitoring in the coaxial tubing outer containment

Additional particle filtering and/or purifying of process and purge gas Analytical testing services and certification for particles, moisture, oxygen and total hydrocarbons

GC: 1-GAS PANEL VARIANT (GAS A - EXTERNAL N₂)

GC: 2-GAS PANEL VARIANT (GAS A+A - EXTERNAL N₂)

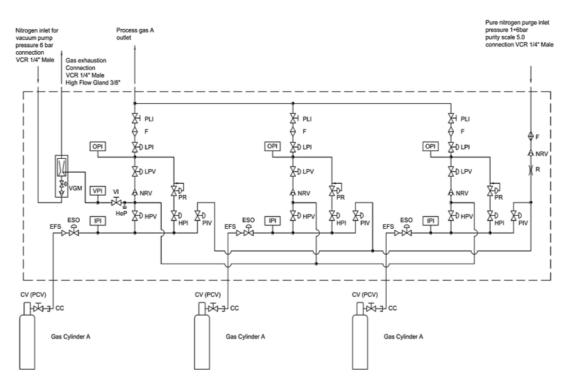




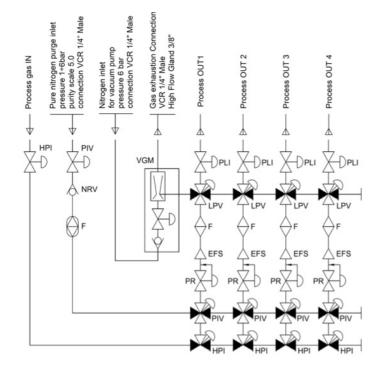
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GC: 3-GAS PANEL VARIANT (GAS A+A+A - EXTERNAL N₂)

3-cylinder cabinet (2 × process + 1 × purge), with auto changeover

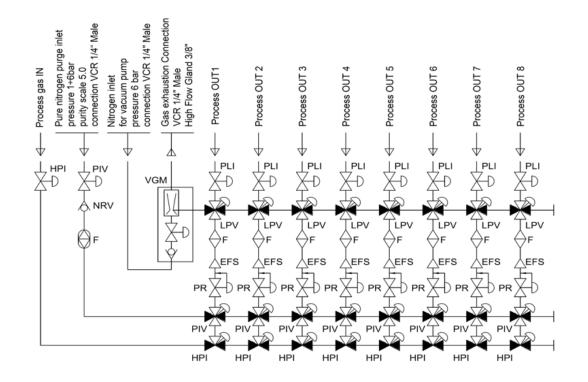


GAS SCHEME: VMB 4-OUTLET VARIANT

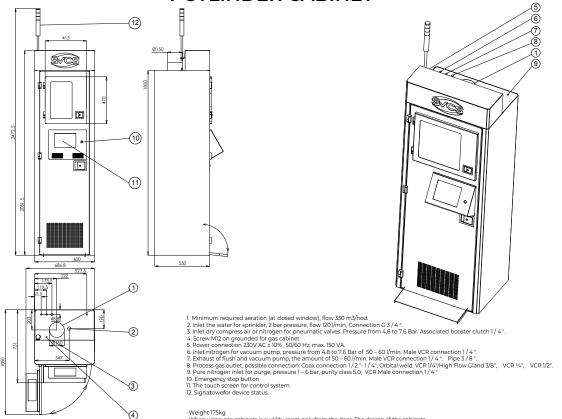


Gas Delivery Systems

GAS SCHEME: VMB 8-OUTLET VARIANT

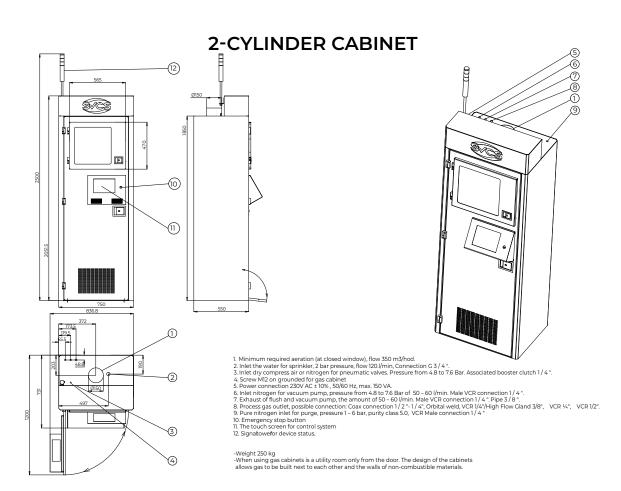


1-CYLINDER CABINET

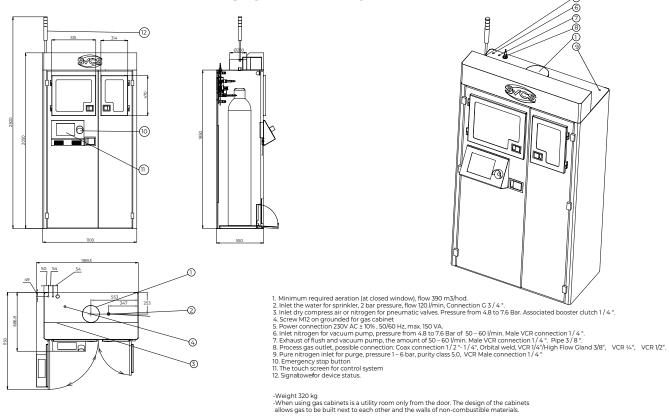


-Weight 175kg -When using gas cabinets is a utility room only from the door. The design of the cabinets allows gas to be built next to each other and the walls of non-combustible materials.

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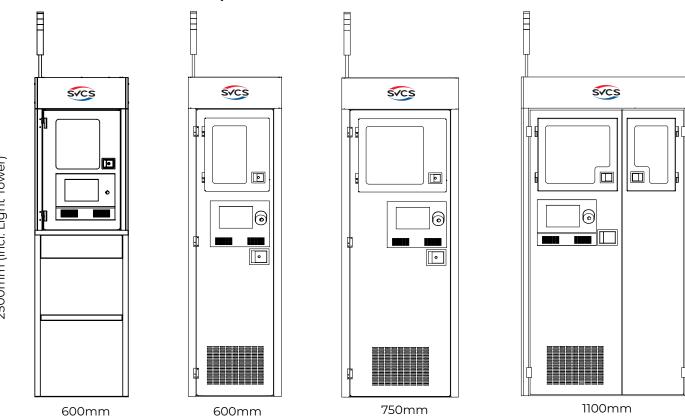


3-CYLINDER CABINET



Gas Delivery Systems

GAS/VMB CABINET COMPARISON

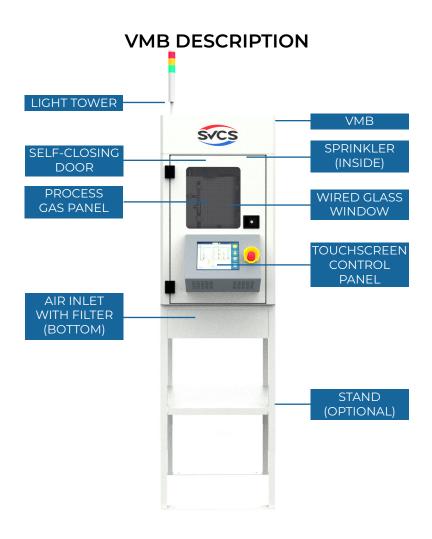


GAS CABINET DESCRIPTION

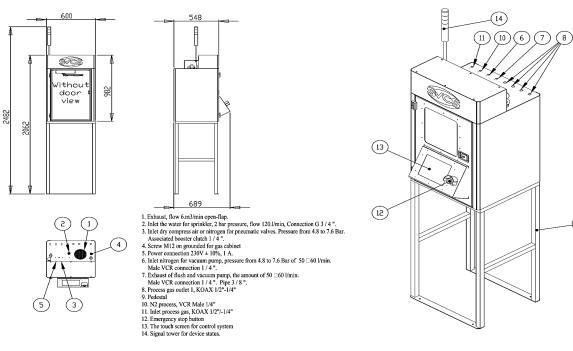


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Gas Delivery Systems



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4-OUTLET VMB

-Weight 100kg -When using VMB is a utility room only from the door. The design of the eabinets allows gas to be built next to each other and the walls of non-combustible materials.

PIPELINE/HOOKUPS INSTALLATION SITES



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