

Gas Safety Cabinets

Model 9-1SC

Protect workers and equipment by preventing gas-related accidents at the source.

Improper gas cylinder storage can cause serious workplace hazards. Gas users must be aware of the dangers associated with storing and using compressed gases, including potential for asphyxiation, flammability, toxicity and high-pressure hazards. Gas leaks due to improper handling, regulator failure, mechanical stress and corrosion are common in many industrial and laboratory facilities. Hazardous and corrosive gases such as hydrogen chloride, chlorine or ammonia should be isolated from the workplace to minimize personnel exposure from toxic leaks. Safe cylinder gas storage is also addressed in Federal and local OSHA building and fire codes.

Model 9-1SC Cylinder Gas Cabinets are designed to provide a safe and cost-effective means to isolate hazardous gas cylinders from the surrounding workplace. The cabinets can safely store one to four standard size gas cylinders.

Benefits/Features

11-gauge steel with diamond deck flooring provides one of the sturdiest constructions available.

Integral sprinkler system provides an extra measure of fire protection.

Horizontally and vertically adjustable cylinder brackets accommodate a large range of cylinder sizes.

Wide range of standard and custom manifold configurations to suit your application.

Provides ultimate protection and meets Uniform Building Code, Uniform Fire Code Article 80, Federal OSHA, Cal OSHA, NFPA, SEMI Standards and International Fire Codes.

Epoxy painted texture finish on outside and smooth finish on inside enhances cabinet appearance.

Louvered panel on base of door(s) provides maximum coverage of air flow through cabinet.

Removable white back panel on inside rear of cabinet can be used to mount the gas delivery system.

Door(s) and access window(s) close and latch automatically preventing them from being accidentally left open.

Specifications

Integral Sprinkler:

Fuse Rating: 165°F (74°C)

Flow Capacity: 40 GPM

Ventilation: 13 air changes per minute

Exhaust Stack: 6" (152 mm) standard. Other sizes available: 8" (203 mm), 10" (254 mm)

Color: Nitro Blue



Materials of Construction

Cabinet/Door: Steel, 11-gauge, all welded one piece construction

Window: 1/4" wire, reinforced safety glass (hinged top), Teflon® bottom catch. One hour rated for fire.

Flooring: Diamond deck, no ramps required

Optional Equipment

Adjustable shelves

Keyed door latch

Air intake filter

Custom cabinets and colors

Fusible link fire damper

Model Number	Description	Dimensions*	Weight
Q9-1SC	1-Cylinder Cabinet	72" x 18" x 18" (183 cm x 46 cm x 46 cm)	245 lbs. (111 kg)
Q9-2SC	2-Cylinder Cabinet	72" x 18" x 24" (183 cm x 46 cm x 61 cm)	285 lbs. (129 kg)
Q9-3SC	3-Cylinder Cabinet	72" x 18" x 36" (183 cm x 46 cm x 91 cm)	370 lbs. (168 kg)
Q9-4SC	4-Cylinder Cabinet	72" x 18" x 48" (183 cm x 46 cm x 122 cm)	395 lbs. (179 kg)

* H x D x W

Additional labor charges may apply for installation of manifold in cabinet.

For bulkhead connection, specify type and location.

Gas cabinets are also available for use with lecture bottles and small capacity cylinders – please consult your Air Liquide representative.