
Item # 25-327 Used *Vacuum Atmospheres Company* NEXGEN Glovebox System, includes Purifiers, O2 & H2O Analyzers, 600 degree C Vacuum Oven, & Freezer

Price: Make offer

Built in 2020, this lightly used *Vacuum Atmospheres Company* NEXGEN Glovebox is comprised of 3 sections, each is self-contained and joined by "T" antechambers. The system allows transfer between each glovebox without exposure to air or the mixing of glovebox atmospheres. The system can also be used as 3 separate sections with the additional purchase of panels, doors and tubing.



VAC SYSTEM NexGen, LAYOUT:
(14 P, 110 V, 60 Hz)

- 1 - CHAMBER, 45" X 30" X 36" H, SST, 5 PL.
- 1a - CHAMBER, 45" X 60" X 36" H, SST.
- 2 - "T" ANTECHAMBER, 15" DIA X 28.5" L, 2 PL.
- 3 - VACUUM PUMP, RV-8, 6.9 cfm, 4 PL.
- 4 - TOUCH SCREEN CONTROL PANEL, 3 PL.
- 5 - OXYGEN ANALYZER, NexGen, 3 PL.
- 6 - MOISTURE ANALYZER, NexGen, 3 PL.
- 7 - CONTROL ASSY, 3 PL.
- 8 - VACUUM OVEN, 600°C, W/CONTROLLER.
- 9 - LIGHT, LED, 7 PL.

- 10 - PURIFIER OXYGEN, NexGen, 7 PL.
- 11 - PURIFIER MOISTURE, NexGen, 7 PL.
- 12 - ELECTRICAL J-BOX, DUPLEX RECEPTACLES, INSIDE, 7 PL.
- 13 - VAC 2682-2, BUTYL RUBBER GLOVES, L & R PAIR, 7 Pr.
- 14 - SHELVES, 6 Set.
- 15 - GLOVEBOX PRESSURE CONTROL FOOT SWITCH, 3 PL.
- 16 - GLOVE PORT COVER, 4 PL.
- 17 - COLD STORAGE, CS-40+, L/H, ASSY.
- 18 - MINI ANTECHAMBER, 6" DIA X 12" L, 3 PL.

- 19 - INTERFACE ASSY, BNC, FEEDTHRU, 8 EA.
- 19a - INTERFACE ASSY, BNC, FEEDTHRU, 4 EA X 2 PL.
- 20 - INTERFACE ASSY, WELDED FEEDTHRU, KF-40, 9 PL.
- 21 - ANTECHAMBER, 15" DIA X 24" L, ASSY, SST.
- 22 - 45 mm DIA HOLE FOR CUSTOMER SUPPLIED FEEDTHRU, 2 PL.
- 23 - PURIFIER, SOLVENT (GENESIS TYPE).

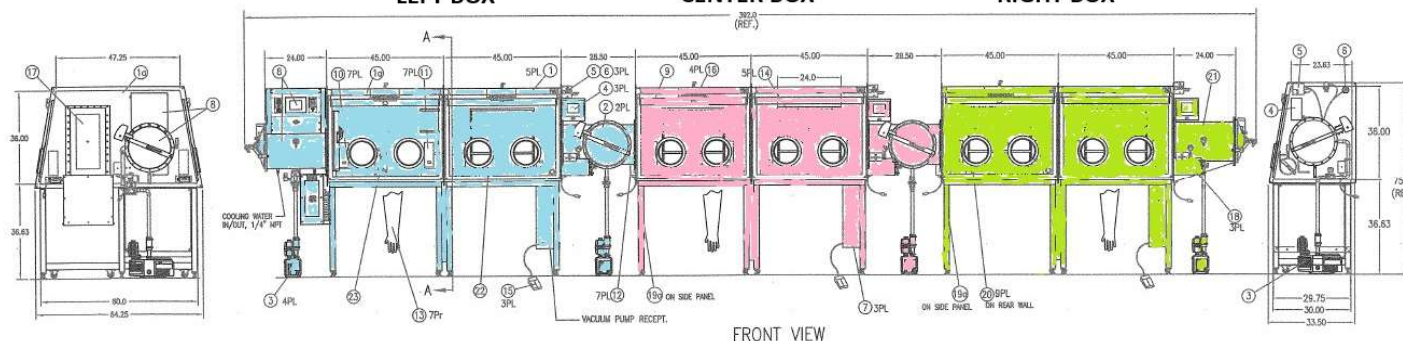
NOTE: ESTIMATED WEIGHT IS 5000 LB.

REV	BY	DESCRIPTION	DATE	APPR
X115	BLAN	INITIAL RELEASE	1/2/20	WCV
X215	BLAN	ADD CHAMBER #1a	06/11/20	WCV
X315	BLAN	RELOCATE ITEMS #12, 19, 20, 22, 06/11/20	06/11/20	WCV
		ADD ITEM #23		
X415	BLAN	ADD ITEMS #19c, 22-1ea	06/22/20	WCV

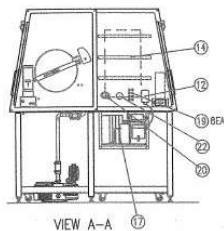
LEFT BOX

CENTER BOX

RIGHT BOX



THE SYSTEM WILL SHIP IN 3 SECTIONS. THE 3 BOXES CAN BE USED AS SEPARATE SYSTEMS WITH THE ADDITION OF A FEW PANELS AND DOORS



AUG 13 2020
MASTER

APPROVED
FOR MANUFACTURE

REV	BY	DATE	DESCRIPTION	APP	QTY	REF
0001	BLAN	06/02/20	INITIAL RELEASE	WCV		
0002	BLAN	06/02/20	ADD CHAMBER #1a	WCV		
0003	BLAN	06/02/20	RELOCATE ITEMS #12, 19, 20, 22	WCV		
0004	BLAN	06/02/20	ADD ITEM #23	WCV		
0005	BLAN	06/22/20	ADD ITEMS #19c, 22-1ea	WCV		

SYSTEM LAYOUT

112625

1 OF 1

Ask AI Assistant

Why is this information important?







Each of the 3 gloveboxes has a pair of internal cartridges-blowers combination, one for removing O₂ and one for removing H₂O.

Cartridge Purification achieves and maintains glovebox oxygen and moisture purity levels of < 1 ppm. This unique design is exclusively internal, requiring no external gas purification columns, circulation blowers, regeneration valves, or requirements for special regeneration gas. The Cartridge Purifiers are supplied pre-activated and ready for immediate use. The replacement cartridges are sold by the manufacturer. No Down Time and No Regeneration Required.

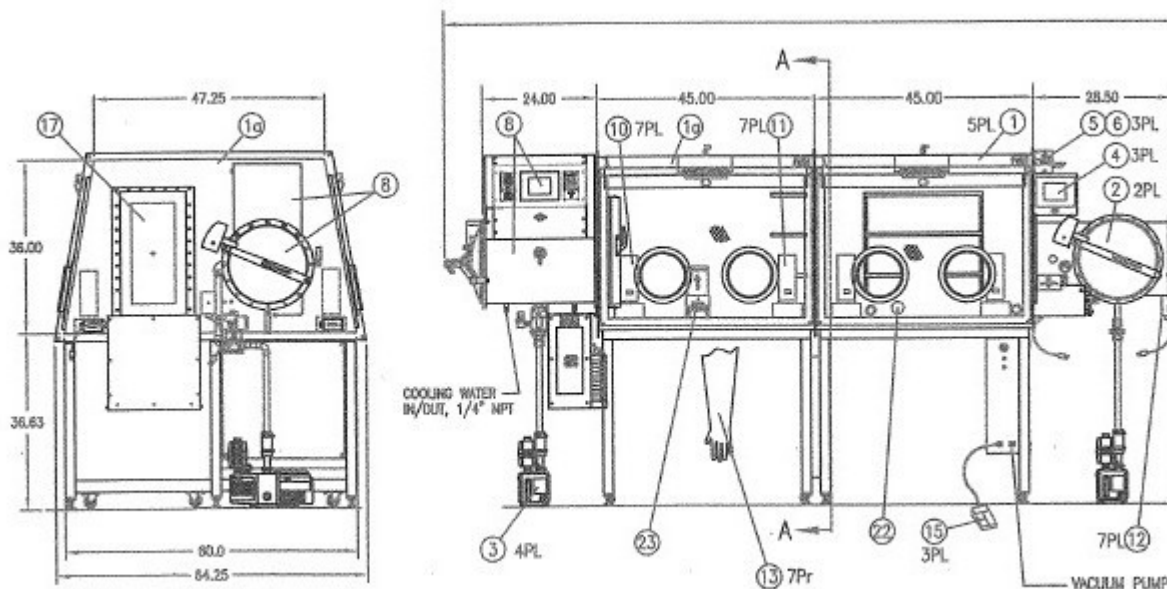
Box 1 – Left Box

Includes:

- * VAC 108438, Vacuum Oven, 600C, with Controller and 6.9 CFM Pump, qty =1
- * VAC 110956-02, Cold Storage System Assy, CS-40+, RH, 110 V, 60HZ, qty =1
- * VAC 109741, System Assy, 6 Port, S, 110 VAC, NexGen, qty =1

MODS:

- 1) Left module to be 4 Port D, 60" Deep.
- 2) System Junction box to be 20 Ampere.
- 3) Antechambers to be cylindrical per the following part numbers.
 - * VAC 110404, T-Antechamber, 15" diameter x 35" long, S/S, qty =1
 - * VAC 100734, Antechamber, 6" dia. x 12" long Stainless Steel, qty =1
 - * VAC 109950, Kit, Antechamber Control, Manual, NexGen, qty =1
 - * VAC 100618, RV8 (6.9 CFM) Vacuum Pump, qty =1
 - * VAC 2682-2, Gloves, Left and right pair, .030" thick butyl rubber, qty =3
 - * VAC 109624, System Assy, Purifier, Oxygen, NexGen, qty =3
 - * VAC 109625, System Assy, Purifier, Moisture, w/Solvent, NexGen, qty =3
 - * VAC 110000, Kit, Moisture Analyzer, Integrated, Nexus/NexGen, qty =1
 - * VAC 109902, Kit, Oxygen Analyzer, Integrated NexGen, qty =1
 - * VAC 100627, Interface Assy, BNC, Feed thru, qty =8
 - * VAC 102833, Interface Assy, KF-40, qty =6
 - * 45 mm hole for customer supplied feedthru, qty =2
 - * VAC 101807, Shelves, Storage Kit, qty =1
 - * VAC 102370, J-Box Assy, Duplex, w 10 ft line cord and NEMA 5-20 plug, qty =2 Mod: 20 Ampere service
 - * VAC 104162, Glove Port Cover, Internal, Evacuatable, qty =1 This is in addition to the evacuatable gloveport cover furnished with the system.





Left Glovebox - front view



Left Glovebox – Vacuum oven 600 degree C



Left glovebox – Rear view of vacuum oven with water cooled doors



Left glovebox – view of rear window and cold storage unit -40 degree C

Box 2 – Center Box

Includes:

* VAC 109741, System Assy, 4 Port, S, 110 VAC, NexGen, qty =1

MODS:

1) System junction box to be 20 Ampere service.

2) Antechambers to be cylindrical per the following part numbers.

* VAC 110404, T-Antechamber, 15" diameter x 35" long, S/S, qty =1

* VAC 100734, Antechamber, 6" dia. x 12" long, Stainless Steel, qty =1

* VAC 109950, Kit, Antechamber Control, Manual, NexGen, qty =1

* VAC 100618, RV8 (6.9 CFM) Vacuum Pump, qty =1

* VAC 2682-2, Gloves, Left and right pair, .030" thick butyl rubber, qty =2

* VAC 109624, System Assy, Purifier, Oxygen, NexGen, qty =2

* VAC 109625, System Assy, Purifier, Moisture, w/Solvent, NexGen, qty =2

* VAC 110000, Kit, Moisture Analyzer, Integrated, Nexus/NexGen, qty =1

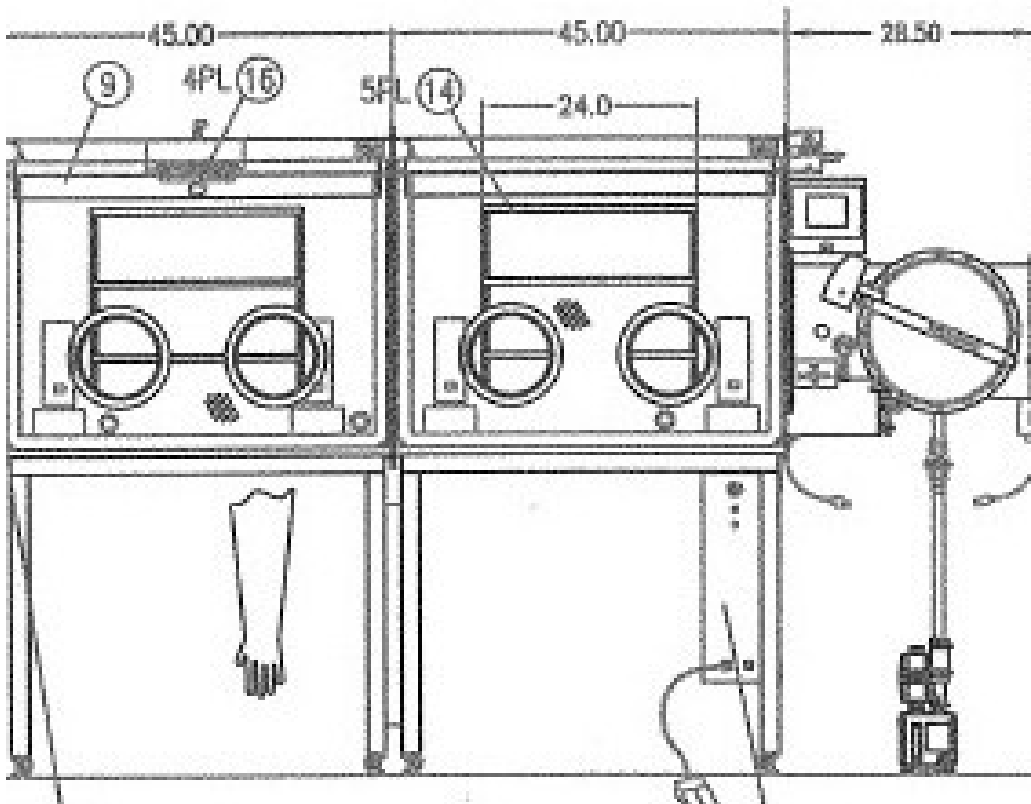
* VAC 109902, Kit, Oxygen Analyzer, Integrated NexGen, qty =1

* VAC 100627, Interface Assy, BNC, Feed thru, qty =4

* VAC 102833, Interface Assy, KF-40, qty =7

* VAC 102370, J-Box Assy, Duplex, w 10 ft line cord and NEMA 5-20 plug, qty =1

Mod: 20 Ampere Service





Center glovebox – front view



Center glovebox – left side



Center glovebox – right side

Box 3 – Right Box

Includes:

* VAC 109741, System Assy, 4 Port, S, 110 VAC, NexGen, qty =1

MODS:

1) System junction box to be 20 Ampere service.

2) Antechambers to be cylindrical per the following part numbers.

* VAC 103368, Antechamber, 15" Dia. X 24" S/S, qty =1

* VAC 100734, Antechamber, 6" dia. x 12"long, Stainless Steel , qty =1

* VAC 109950, Kit, Antechamber Control, Manual, NexGen, qty =1

* VAC 100618, RV8 (6.9 CFM) Vacuum Pump qty =1

* VAC 2682-2, Gloves, Left and right pair, .030" thick butyl rubber, qty =2

* VAC 109624, System Assy, Purifier, Oxygen, NexGen, qty =2

* VAC 109625, System Assy, Purifier, Moisture, w/Solvent, NexGen, qty =2

* VAC 110000, Kit, Moisture Analyzer, Integrated, Nexus/NexGen, qty =1

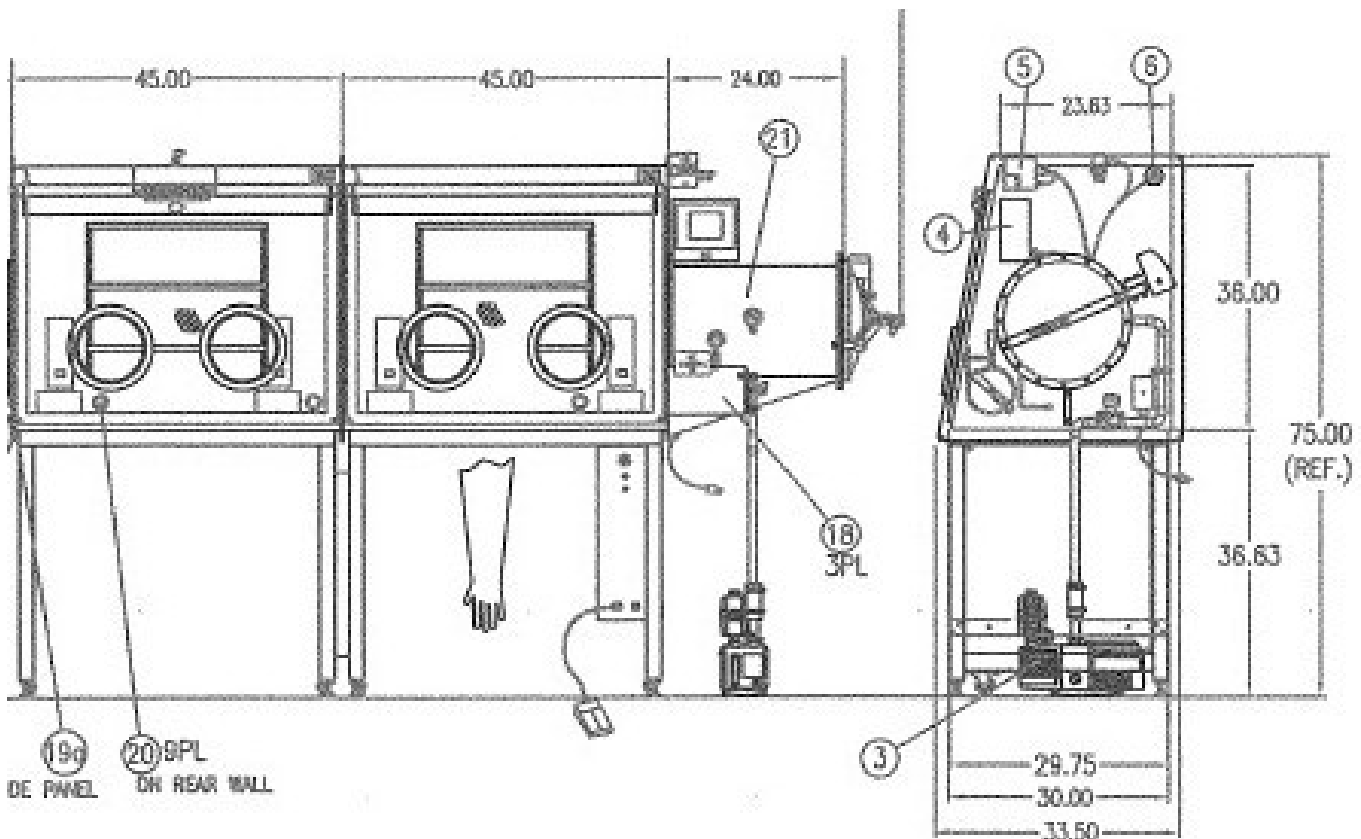
* VAC 109902, Kit, Oxygen Analyzer, Integrated NexGen, qty =1

* VAC 102833, Interface Assy, KF-40, qty =7

* VAC 100627, Interface Assy, BNC, Feed thru, qty =4

* VAC 102370, J-Box Assy, Duplex, w 10 ft line cord and NEMA 5-20 plug, qty =1

Mod: 20 Ampere service





Right glovebox – front view



Right glovebox – right side