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SCIENTIFIC MARKET SOLUTIONS

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.





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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 - TT- 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).

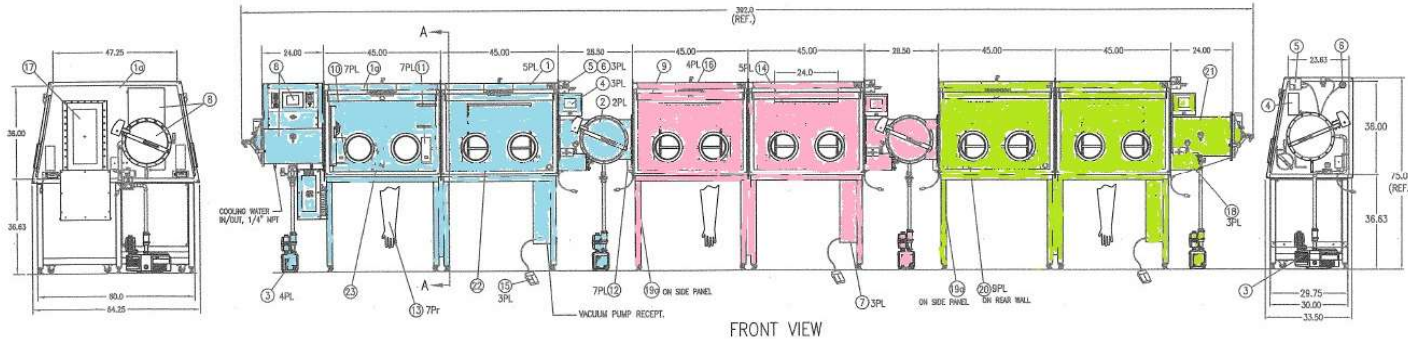
NOTE: ESTIMATED WEIGHT IS 5000 LB.

REV	BY	DESCRIPTION	DATE	APPR.
X1	B.BLAN	INITIAL RELEASE	8/3/20	WCM
X2	B.BLAN	ADD CHAMBER 11a	8/11/20	WCM
X3	B.BLAN	RELOCATE ITEMS 12, 19, 20, 22, 23, 24	8/11/20	WCM
X4	B.BLAN	ADD ITEMS 23	8/13/20	WCM
X4B	B.BLAN	ADD ITEMS 19a, 22-1a	8/13/20	WCM

LEFT BOX

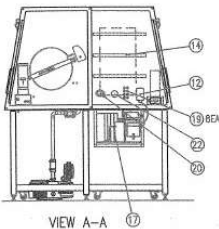
CENTER BOX

RIGHT BOX



FRONT VIEW

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 NO	QTY REQ	DATE	DESCRIPTION	REV	QTY	REF
	1	1	08/03/20	VAC SYSTEM LAYOUT	1	1	1
	2	1	08/11/20	ADD CHAMBER 11a	2	1	1
	3	1	08/11/20	RELOCATE ITEMS 12, 19, 20, 22, 23, 24	3	1	1
	4	1	08/11/20	ADD ITEMS 23	4	1	1
	4B	1	08/13/20	ADD ITEMS 19a, 22-1a	4B	1	1

Ask AI Assistant

Why is this information important?



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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.



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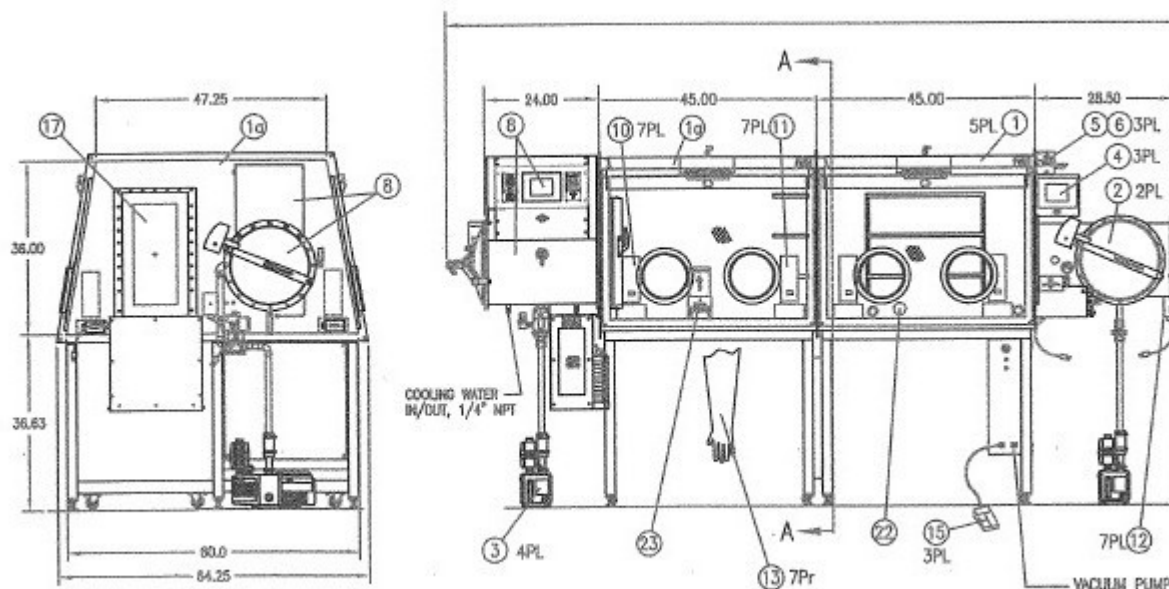
Box 1 – Left Box

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.





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Left Glovebox - front view



Left Glovebox – Vacuum oven 600 degree C



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



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



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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

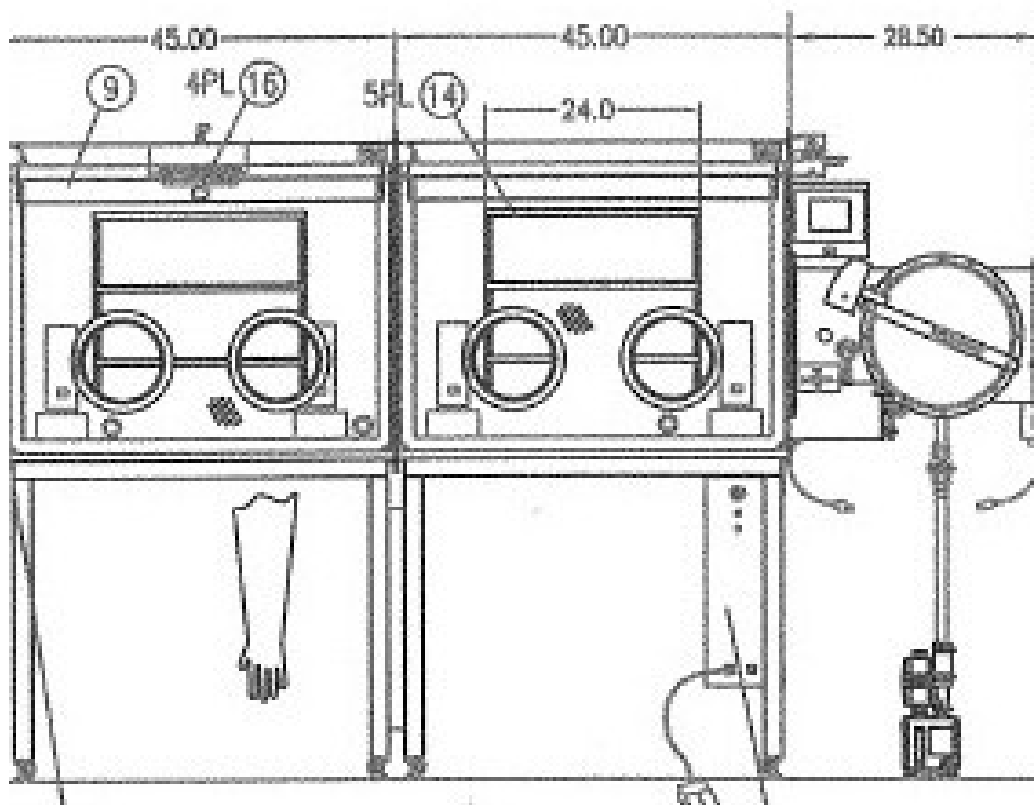
* VAC 109902, Kit, Oxygen Analyzer, Integrated NexGen, qty =1

* 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





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Center glovebox – front view



Center glovebox – left side

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Center glovebox – right side



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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

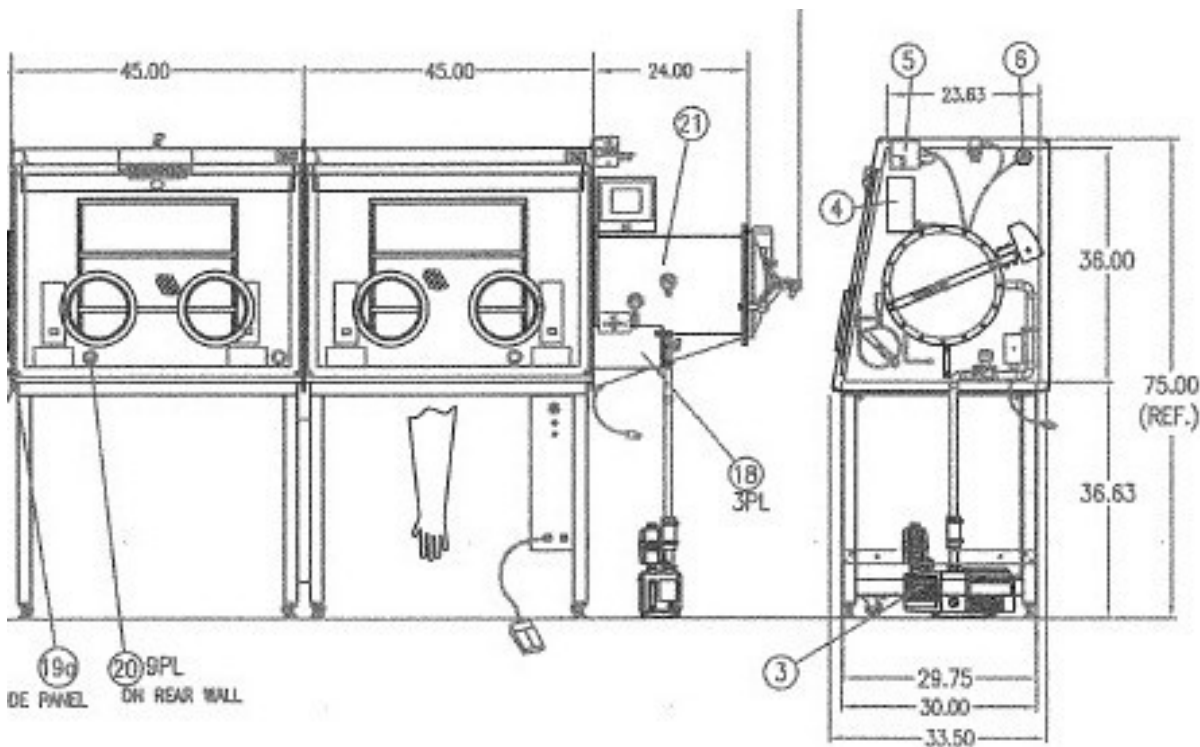
* VAC 109902, Kit, Oxygen Analyzer, Integrated NexGen, qty =1

* 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





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Right glovebox – front view



Right glovebox – right side

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