

User Instructions



Glas-Col®

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OPERATING AND SAFETY INSTRUCTIONS

For

FlexiVap™ Work Station

109A YHV-1-XXXX (12 Pos.)

109A YHV-2-XXXX (24 Pos.)

109A YH12 (120V heat block, optional)

109A YH24 (240V heat block, optional)

Knobs to turn
flow on/off for
each position

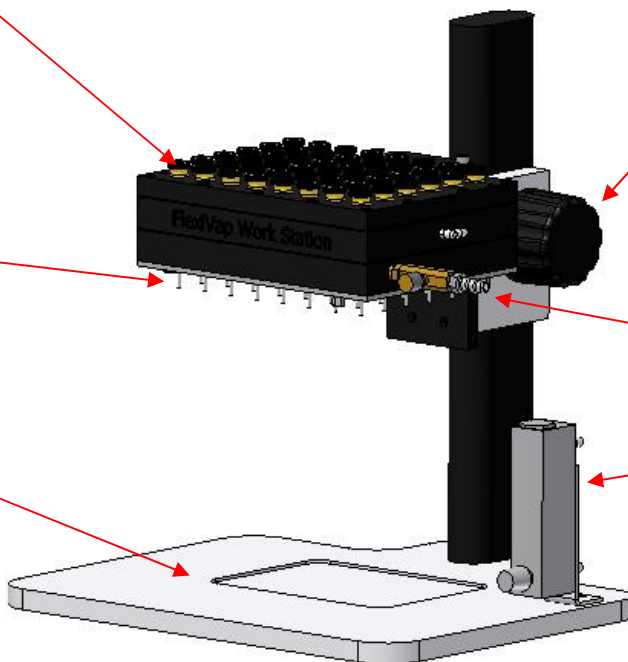
Needles

Rack & Pinion Drive

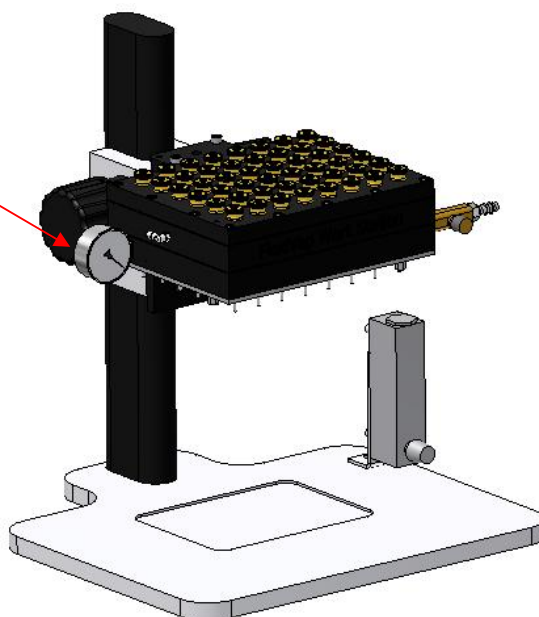
Vacuum Connection

Flow Meter

Location for
optional heat
source for samples
109A YH12 or
109A YH24

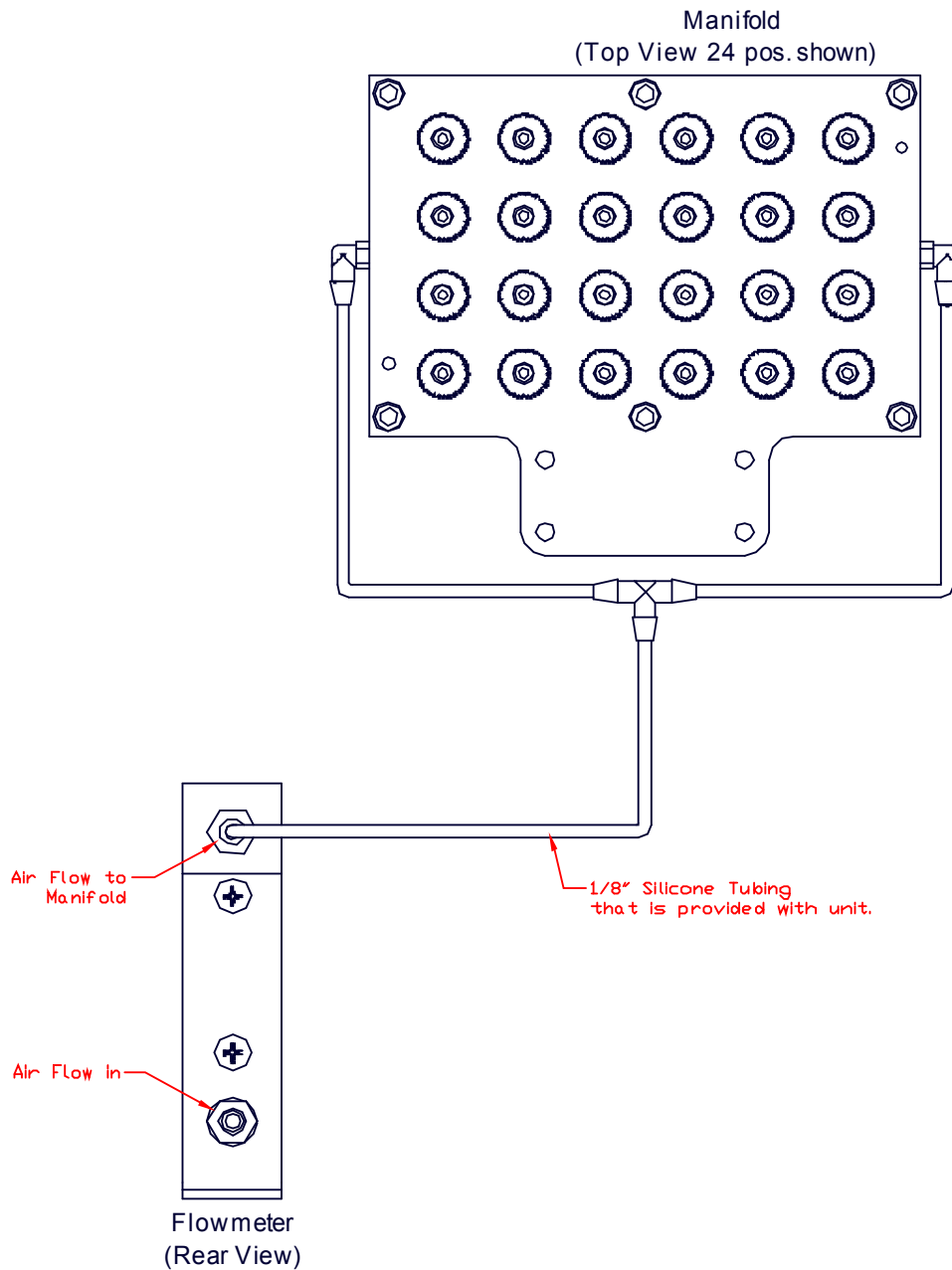


Vacuum
Meter



Unpack the FlexiVap work station. The unit comes assembled so the needles are not damaged during shipping.

Next secure the 1/8" tubing from the flowmeter to the manifold as shown in the diagram below (applies to 24 and 48 position manifolds)



Heat Block Info.:

Specifications:

Ambient Temperature:

77°F/25°C +/-5°

Operating Environment:
humidity

0 to 90% relative

32 to 100°F/0 to 37°C

Set-Up:

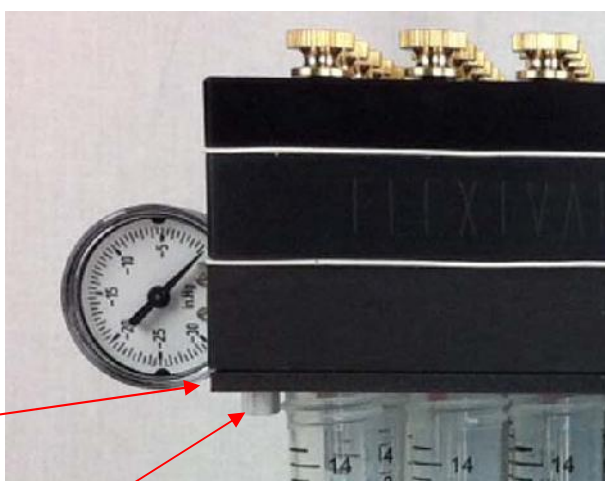
Position the heat block on the base. Plug the power cord from the control into a grounded outlet if using the bottom heat block. The power switch for the control is located on the front of the unit. Make sure the thermocouple is connected to the back of the control.

Loading the Block & Lowering the Manifold:

Position an aluminum insert on the top of your heat block or base plate. Attach the foam vacuum seal on the bottom of the manifold. There are locator tabs that match up with holes on the foam pad. Once the foam is in place, lower the manifold until a seal is achieved and needle is centered within tube/vial. The unit is now ready for operation.

Foam Vacuum Seal

Foam Location
tabs



Operating the Unit:

Once the power switch is engaged, the block will start heating. To change the temperature setting:

- Press SET. SP text will appear on the display.
- Press SET again. The setpoint value is shown on the display.
- The value can be modified with the UP and DOWN arrows.
- Press SET to enter any new values.
- Press SET and DOWN at the same time to quit programming or wait one minute and the display will automatically exit programming mode.

Maximum temperature of the block is 100°C. The control is factory set and cannot exceed this maximum temperature limit.

Flow of Ni to each position takes place when the top valves are open. The amount of vacuum depends on the vacuum pump. It is recommended not to pull more than 15 inHg.

Maintenance:

Glas-Col heaters do not require regularly scheduled maintenance. However, regular inspection is recommended. Glas-Col heaters should be protected from chemical spillage, mechanical damage and corrosive atmospheres so far as possible. Contamination, overheating and general misuse will greatly reduce the life of the block heater.

Spare Parts:

Spare parts for Glas-Col products are generally available from the factory. Consult Glas-Col for part numbers and pricing.

R80 1010 - Top knobs for air flow

R96 769 – 15GA. X 1/2” S.S. needles

R66 452 – Silicone tubing

R12 179 – Thermocouple

109A VP-1-12 FOAM VACUUM SEAL PAD FOR YHV-1 SYSTEM, 12 POSITIONS, PK OF 5

109A VP-1-24 FOAM VACUUM SEAL PAD FOR YHV-1 SYSTEMS, 24 POS, PK OF 5

109A VP-2-24 FOAM VACUUM SEAL PAD FOR YHV-2 SYSTEM, 24 POS, PK OF 5

109A VP-2-48 FOAM VACUUM SEAL PAD FOR YHV-2 SYSTEM, 48 POS, PK OF 5

Spare Parts (continued):

Catalog Number	Description	Input Voltage	Max PSI	Product Weight (lbs)
109A YH-4812	Aluminum Insert Block with 48 positions for up to 12 mm vials (Use with large system)	N/A	N/A	3
109A YH-4815	Aluminum Insert Block with 48 positions for 15 mm to 16mm vials (Use with large system)	N/A	N/A	3
109A YH-4828	Aluminum Insert Block with 24 positions for up to 28mm vials(Use with large system)	N/A	N/A	3
109A YH-2412	Aluminum Insert Block with 24 positions for up to 12mm vials (Use with small system)	N/A	N/A	2
109A YH-2416	Aluminum Insert Block with 24 positions for 15mm to 16mm vials (Use with small system)	N/A	N/A	2
109A YH-2428	Aluminum Insert Block with 12 positions for up to 28mm vials (Use with small system)	N/A	N/A	2

Limited Warranty:

Glas-Col warrants products of its manufacture to be free from defects in material and workmanship **for one year** and agrees to repair or replace without charge any products found defective upon examination at the factory. With proper care and operation, Glas-Col products will give long and efficient service. Chemical spillage, overloading and general misuse will greatly reduce the service life. Glas-Col is not responsible for damage to apparatus due to improper installation or through attempts to operate the apparatus beyond its rated capacity, intentional or otherwise.

Limitations of Warranties:

APART FROM SUCH WRITTEN STATEMENT OF WARRANTY, THERE ARE NO WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY, WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE HERE OF.

Glas-Col products are intended only for legal and legitimate purposes in commercial laboratory and industrial settings.

Glas-Col reserves the right to make product refinements without prior notice.

Returns:

Call or fax Customer Service for a Return Goods Authorization (RGA) number before returning a heating mantle.

Reference the RGA number on the shipping box and on a written description of the problem.

A 20% restocking charge of the net price is charged for all standard products returned to stock.

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