



## Infinity Auto-Changeover Manifold

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### Package Contents

Please check the contents carefully after opening the package

- Infinity Auto-Changeover
- Hoses (if ordered)
- Mounting Bracket (if ordered)

### A. Before connecting device

- 1) **Note: This unit is designed for use with inert gases, it is NOT designed for oxygen service. This unit is designed for use with HP CO<sub>2</sub> and Nitrogen cylinders. Do not use with low pressure CO<sub>2</sub> bulk tanks or cryogenic nitrogen.**
- 2) Determine placement location
- 3) Ensure all hoses have proper fittings
- 4) Ensure all hoses are proper length
- 5) Install hoses on the changeover making sure enough plumbers' tape is used (Figure 1)
- 6) Determine inlet pressure and ensure it does not exceed the 3000psi maximum pressure rating of the Infinity Auto-Changeover



Figure 1

### B. Infinity Auto-Changeover Installation:

- 1) Connect the final pressure regulator, manifold or hose to the low-pressure outlet below the priority selection knob. (Figure 2)
- 2) Connect cylinder hoses to the CO<sub>2</sub> or N<sub>2</sub> cylinders. (Figure 3)
- 3) Turn the priority selection knob to the cylinder(s) you wish to draw from FIRST. (Figure 3)
- 4) After installation completion, turn on supply and "check for leaks"
- 5) **Note:** If installing the Changeover on an existing system, if there are partially filled tanks along with full tanks, place the red arrow towards the partials first.

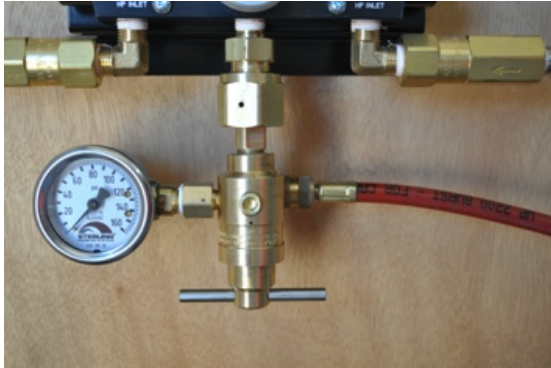


Figure 2 (Shown with CGA 320)



Figure 3 (Right tank set as Priority by Selection Knob, Left Tank is Reserve)

### C. Cylinder Changeout

1. Replace the empty cylinder(s) (Figure 4) and rotate the knob 180 degrees (Figure 5). Your reserve is now your main supply leaving a full reserve cylinder.

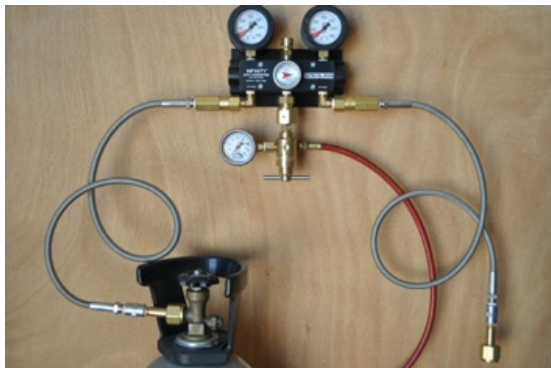


Figure 4 (Replace empty tank)

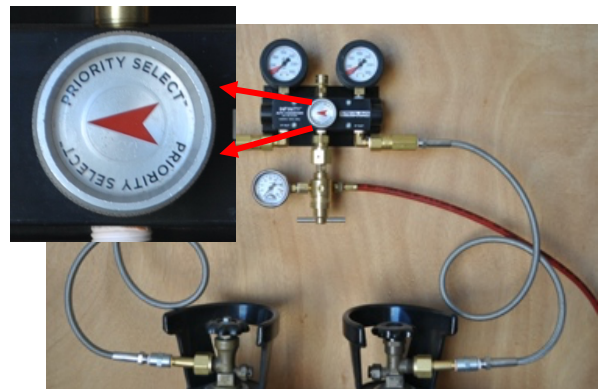


Figure 5 (Turn knob to change the reserve into New Primary)

Note: The changeover will automatically draw from the selected primary inlet as indicated by the red arrow and, when that cylinder is depleted, the Infinity Auto-Changeover will automatically switch to the reserve. The "Priority Select" knob will not rotate when the changeover occurs. The changeover occurs internally. The "Priority Select" feature simply allows the user to select the primary source.

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