AFS-01

Automatic Dewar Filling Station

The AFS-01 is an automatic shut off liquid nitrogen dewar filling station for standard liquid cylinders.

The AFS-01 is designed to fill portable low pressure liquid nitrogen dewars from a pipe system or bulk tank.

The AFS-01 uses a cryogenic sensor to detect a "full" condition. Once full, cryogenic valves shut off the fill cycle maintaining the fill pressure of the liquid cylinder. The liquid cylinder is ready for immediate use.



Benefits

- **Reduce Losses** – Eliminate overfilling and loss of LN2.
- **Improve Employee Safety** – Create a safer work environment with fill shut off timer, vent safety interlock, and emergency stop.
- **Workforce Efficiency** – Eliminate wasted labor and downtime.
- **Cost Savings –** Save money by eliminating the need for dewar deliveries.
- **Adjustable Fill Cycle Timer** – Control the maximum amount of time the inlet valve will stay open.



Features

- **Easy to Operate** – Allen Bradley PLC controls. Start the process and it will run itself.
- **Adjustable Settings** – Adjustable timeout timer and cryogenic sensor threshold.
- **Visual Alerts** – Status indicator light and audible alarm contact.
- **Safety** – Vent interlock, max fill timer, EMO switch, and fail close valves.
- **Indoor or Outdoor Installation** – Fill liquid cylinders where it is most convenient.

Enclosure	Stainless Steel NEMA 4X, IP66
Power Input	110VAC or 240VAC, 60Hz
Power Usage	194W Nom
Specifications	Allen Bradley Micrologix 1100 Allen Bradley PanelView 800 4" External Temp Rating: 32 - 122°F 20 - 125 psi Pressure Rating
Additional Components	VJ or Non-VJ Hoses
Dimensions	16 W x 20 H x 6 D 41cm x 51cm x 15cm

www.technifab.com 10339 N. Industrial Park Drive • P.O Box 315 • Brazil, IN USA • 812.442.0520 • Fax: 812.442.0891 • **sales@cranecryogenics.com**