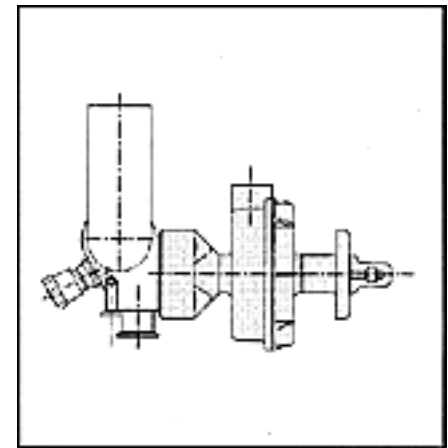
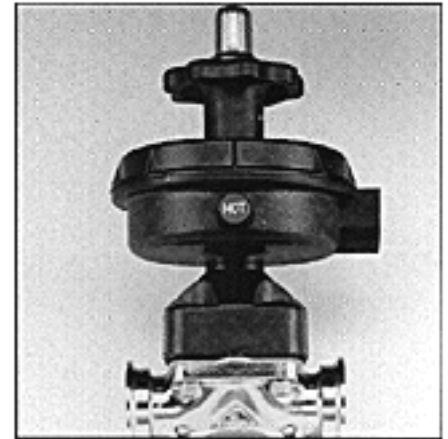


Pure-Flo® Hot Lock Out Bonnet Assembly

Hot Lock Out Bonnet Assembly provides the capability of physically locking out a manual valve during sterilization and sanitization protocols allowing the valve to close but not to open, thus preventing possible operator injury due to scalding. A manual override switch is provided to enable the operator to open the valve as required during sterilization/sanitization protocols. This bonnet assembly is available in sizes 0.50", 0.75", & 1.00" for bonnets constructed of PAS and can replace existing bonnets in the field predicated on space constraints, and the availability and/or ability to install a temperature switch. Stainless bonnets are available as an option. The bonnet assembly will withstand typical wash down protocols inherent in the Pharmaceutical/Bioprocessing Industries such as alcohol, caustics, sodium hypochlorite and chloride detergents as well as external temperatures from 32°F to 120°F. The basic device is available with either 120 vac or 24 vdc voltage input. Electric outputs emulating mechanical limit switches, two-wire "Z" and three-wire proximity (PNP-NPN) switches are available options with the 24 vdc voltage input. In addition, the assembly can be wired to provide an adjustable opening stop to limit the opening of the valve. The device will be tested to "safety requirements for electrical equipment for measurement, control and laboratory use" (UL3101, CSA 1010.1). Applicable compliances include; CSA (NRTL/C), CE Mark (24 volt DC). Nema 4X hose-down and IP 65.

*Patent Pending



Materials and Specifications

Bonnet Configuration - Hand wheel operated

Size Range - 0.50", 0.75" and 1.00"

Enclosure Size - 5.12" OD x 2.56" height

Housing Materials - PAS, FDA accepted

Bonnet Materials - PAS - Standard; Stainless Steel - Optional

Base Unit Voltage - 120 vac or 24 vdc

Switch output options available with 24 vdc base unit - 3 wire proximity (PNP-NPN); 2 wire "Z" proximity and mechanical relay

Temperature Ratings - external - 32°F to 120°F

Opening Temperature Switch - Set temperature of switch provided by ITT Industries Engineered Process Solutions Group - 120°F

Wash Down Capabilities - Caustic, Alcohol, Sodium hypochlorite, chloride detergents

Applicable Compliances - Nema 4X hosedown, IP 65, CSA (NRTL/C), CE mark for 24 vdc

Conduit port - 1/2" NPT

Electrical Ratings

LBA - 115 VAC @ 60HZ, 7.5W

LBD - 24 VDC, 5W

LBD1 - 24 VDC, 5W

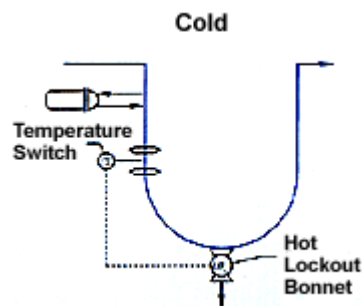
LBM - 24 VDC, 5W

LBP - 24 VDC, 10W

Pure-Flo® Hot Lock Out Bonnet Assembly WFI Point-of-Use Schematic

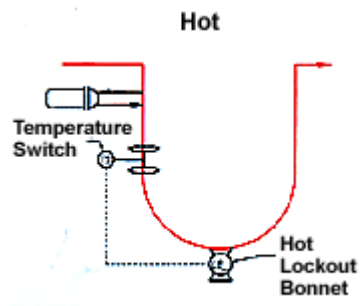
COLD

Not Engaged - The Hot Lock Out Bonnet is not engaged. The valve can be opened and closed as in the case of a normal bonnet assembly.



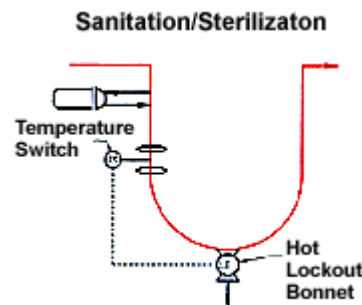
HOT

Engaged - The Hot Lock Out Bonnet is engaged. The valve can be closed but not opened.



SANITIZATION/STERILIZATION

Manual Override - The disengagement of the Hot Lock Out Bonnet is accomplished by depressing the "Hot" button. This allows the valve to be opened as long as the hot button is depressed. When the button is released, the lock out feature is once again engaged.



Pure-Flo® Solutions Group

For more information, please contact:

Pure-Flo Solutions Group Headquarters

33 Centerville Road, P.O. Box 6164

Lancaster, PA 17603-2064 USA

or call: (800) 366-1111

(717) 509-2200

Fax: (717) 509-2336

Website: www.engvalves.com

E-mail: engvalves.custserv@itt.com

Valve Office Locations:

Pure-Flo California

110-B West Cochran
Simi Valley, CA 93065
Phone 800-926-8884
Phone (805) 520-7200
Fax (805) 520-7205

Pure-Flo UK

Richards Street
Kirkham, Lancashire
PR4 2HU, England
Phone +44 1772 682696
Fax + 44 1772 686006