

# BACKFLOW PREVENTION CATALOG

## Hose Connection Dual Check / Lab Faucet Dual Check Backflow Preventers

### HBDUC SERIES



38-304-02  
Size 3/4"

### 3/4" HOSE CONNECTION DUAL CHECK

The Apollo Series HBDUC is designed to provide an in-line testable hose connection that will prevent backflow due to back-siphonage or low head back-pressure. Each device consists of two independent checks, forced loaded in the closed position with an atmospheric vent between the checks. The device is threaded for hose connection at both the inlet and outlet with a break-away set screw on the inlet for tamper proof installations. These devices are not suitable for continuous pressure applications.

#### OPERATION

During initial pressurization, the inlet check shuttles forward to close the atmospheric vent. As flow is established, both the inlet and outlet check open to allow flow through the device. If a backflow condition is present, then both checks will close and the atmospheric vent opens to introduce air and break the siphon.

#### FEATURES

- Corrosion resistant body and checks
- Low Head loss
- Easy to install with break-away set screw
- Protects against back siphonage and low-head back pressure
- ASSE1052

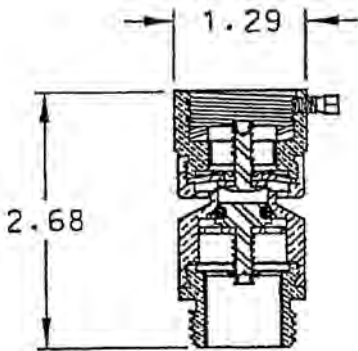
#### MATERIALS

| Part             | Material        |
|------------------|-----------------|
| Body             | Brass           |
| Seats            | EPDM            |
| Check components | Stainless steel |
| Check guide      | Acetal          |

Contact local water authorities for installation/service requirements.

See Page 71 For Flow Curves

| Factory No. | Model No. | Wt./Ea |
|-------------|-----------|--------|
| 38-304-02   | HBDUC34   | 46     |



### LFDUC SERIES



Sizes 1/4", 3/8"

### LABORATORY FAUCET DUAL CHECK BACKFLOW PREVENTER

The Apollo Series LFDUC is designed to provide protection against back-siphonage wherever a hose is connected to a faucet. The device consists of two independently acting checks with an intermediate relief port or vent. It is suitable for supply pressure up to 150 psig and a temperature range of 33°F-212°F. Not suitable for constant pressure conditions.

#### OPERATION

During normal flow conditions, the two checks are held off their seats, supplying water downstream. The vent is held shut by supply pressure acting on the diaphragm. If the supply pressure should fall below atmospheric, the second check will close due to internal spring pressure and the vent will open to introduce air into the supply line and break the siphon.

NOTE: This device should only be installed where spillage of water could not cause water damage.

#### FEATURES

- Corrosion resistant
- Suitable for hot or cold water service up to 212°F and 125 psi
- Lead-Free option
- Polished (-CP2 and -CP3 are rough brass only)
- Easy to maintain
- Compact and lightweight
- ASSE 1035

#### DIMENSIONS

See Page 71 For Flow Curves

| Factory No.  | Model No. | Inlet       | Outlet     | A (In.) | B (In.) | Wt./Ea |
|--------------|-----------|-------------|------------|---------|---------|--------|
| 38-502-01    | LFDUCMF38 | 3/8" MNPSM* | 3/8" FNPT  | 2.33    | 1.24    | .50    |
| 38-502-02    | LFDUCFF38 | 3/8" FNPT   | 3/8" FNPT  | 2.34    | 1.24    | .50    |
| 38-502-03    | LFDUCFM38 | 3/8" FNPT   | 3/8" MNPSM | 2.33    | 1.24    | .50    |
| 38-502-CP2** | LFDUCFF14 | 1/4" FNPT   | 1/4" FNPT  | 2.34    | 1.24    | .50    |
| 38-502-CP3** | LFDUCFF38 | 3/8" FNPT   | 3/8" FNPT  | 2.34    | 1.24    | .50    |

\*American National Standard straight pipe thread for free-fitting mechanical joints (male)

\*\*-CP2 and -CP3 are non-approved devices with a rough brass finish for continuous pressure applications

