



# YdroStop

Automatic Water Shut-off Valve



*YdroStop (Hydro-Stop)*

*\* Works as a fuse in the plumbing system.*

*\* Reduces the risk of flooding if a burst occurs.*

*\* Shuts off the water should a persistent flow or leak be detected.*

*\* Totally mechanical, no electrical power or batteries required.*

**SAFETY YdroStop** provides a means of

protecting the home, office and business against excess flooding due to pipe failure or leaks in the plumbing system.

**YdroStop provides SAFETY AND SECURITY.** A fractured water main has serious consequences. During a weekend as much as 20,000 gallons of water can flow from a fractured 1/2" pipe. This would be about the same quantity that a family with two children uses in three months. Damage caused by a fracture or an overflowing sink can be enormous, not only in the home but also in the business, factory or workshop. Such accidents can be costly in property damage, inconvenience and money.

**YdroStop** can prevent such problems. This unique device is activated by a difference in pressure (which may be caused by a pipe fracture). The water supply is cut off almost at once until the appropriate repairs can be carried out.



### Small Leak:

Timer shuts off in 15 to 120 minutes



### Large Leak:

Unit shuts-off in seconds

**ECONOMY YdroStop** will also control water usage when taps are left running accidentally or due to carelessness which would be costly where water metering is installed. Clean water is becoming more valuable almost everywhere.

**SAVES WATER YdroStop** can save water and money, during continuous water consumption. A small flow meter inside the device is activated which automatically cuts off the water supply once the preset time has been reached.

**COMMERCIAL APPLICATIONS** Many businesses are already receiving metered water which is usually charged on the amount of water they are supplied and on the amount of waste water they produce, therefore the economies in using the YdroStop could be twofold.

**YdroStop** operates on a hydraulic principle ensuring that the pressure leaving and the pressure entering the unit are equal. If the outlet pressure is lower than the unit has detected, a fracture or burst in the down line must be present, hence the unit will then shut off the water supply. In conjunction with this system, is a mechanical flow timer, which operates much like a water meter. When water begins to flow through the unit the rotor is activated and a timer begins. When the pre-set time is reached, the water supply is shut off. Should the pre-set time not be reached during anyone cycle, the YdroStop resets to start over again.

#### **YdroStop Specification:**

- Pipe Size: ¾" & 1" NPT Adapters Included
- Material: PVC, Tested pressure 300 psi; Maximum temperature 90 F
- Size: 14" Lg., 2-lbs.
- Size: 19" Lg., 3-lbs. (with pre-filter installed)
- Time setting 15-120 minutes. (Adjustable)
- Automatic or manual re-setting switch
- Flow Rate: Model: **HS1700**: 7 GPH minimum. – 450 maximum. GPH  
Model: **HS2800**: 7 GPH minimum. – 750 maximum. GPH  
Model: **HS4000**: 7 GPH minimum. – 1,100 maximum. GPH  
Model: **HS5600**: 14 GPH minimum. – 1,500 maximum. GPH
- Pressure: (working) 7 – 90 PSI
- Pressure loss: 3 – 10 PSI
- Fulfills the requirements for potable water. WRc approval (UK) cert. Nr. 9904045
- Guarantee 2- years
- Model: **HS1700** (Low Volume 450 GPH or 7 GPM)
- Model: **HS2800** (Standard Volume 750 GPH or 12 GPM)
- Model: **HS4000** (High Volume 1,100 GPH or 17 GPM)
- Model: **HS5600** (Commercial Volume 1500 GPH or 25 GPH)

**MATERIALS INCLUDED:** YdroStop HS, adjustment key, brass ball valve, pipe fittings, gaskets, replacement spool piece and complete operation/installation instructions.

**Optional Pre-Filter** #38500 for dirty water service in well systems, ponds, and/or steel or galvanized pipe.

#### **YdroStop Installation:**

- Installation after the water meter.
- Must be installed in a horizontal position.
- May require a ground wire by-pass.
- A ball valve (included) must be installed immediately downstream of the unit
- User to select whether the reset will be manual or automatic.
- Maximum flow time, 15 – 120 minutes.
- Standard tools required for installation.
- Simple set-up and installation.



**Commercial High Volume YdroStop**

Contact factory for details

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