



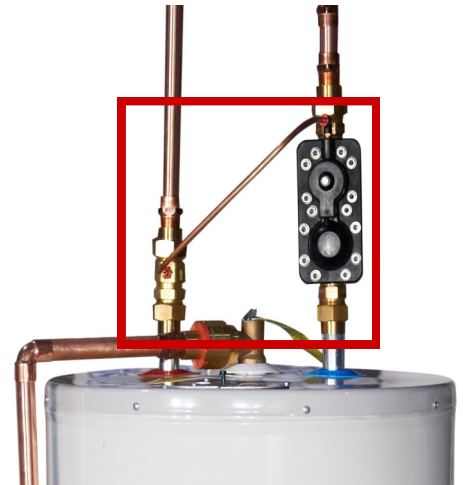
# WATER HEATER ISOLATION DEVICE [WHID] TECHNICAL SPECIFICATIONS Model # WHID "3/4"



The **WHID** is able to isolate a leaking water heater with the least amount of water loss, thus mitigating water damage and mold growth.

## Features & Benefits:

- ◆ All wetted areas of the device are **LEAD FREE**
- ◆ No power required
- ◆ Activates automatically on only 1/2—1 cup of water loss
- ◆ Does not require Dams, Pans or Sensors
- ◆ Union ends for fast and easy installation
- ◆ Retains residual water from leaking out
- ◆ Can be reset and reused after the damaged water heater is replaced



**General Specifications:** The lead-free WHID (Water Heater Isolation Device) shall be a hydraulically-activated diaphragm valve, and shall not rely on electricity, sensors, pans, dams, batteries, or electronics to activate. The WHID shall be testable after installation, and shall positively close the water supply to the water heater and retain residual water in the water heater. WHID shall be Massachusetts approved, maintain an IAPMO Classified certification, and be manufactured by Dulac Plumbing Innovations Corporation, in accordance with IGC241-2011a and ASME A112.18.1/CSA B125.1-2005.

## Operation:

- ◆ The WHID is a normally closed valve which opens every time hot water is drawn from a fixture.
- ◆ When hot water is drawn, it relieves the pressure on the diaphragm valve through the sensing line between the WHID and the check valve and allows cold water to enter the tank and hot water to flow through the check valve to the fixture.
- ◆ When a tank leak occurs, and the tank pressure drops about 20 PSI, the WHID will trip by internally supplying water service pressure directly to the diaphragm, locking it closed and preventing any further water supply to the tank.
- ◆ The brass reset pin will display a red ring giving a visual indication that the WHID has activated.

## Maintenance:

- ◆ The WHID shall be tested annually.
- ◆ The WHID can be reset and reused after the damaged water heater is repaired or replaced.
- ◆ When re-using, rebuild kit may be needed depending on internal conditions of valve.

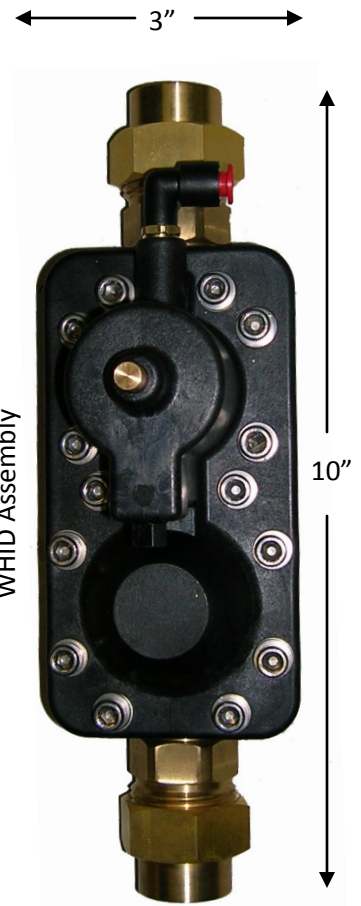
## Warranty:

- ◆ 5 years for the body (top and bottom)
- ◆ 1 year for the parts.

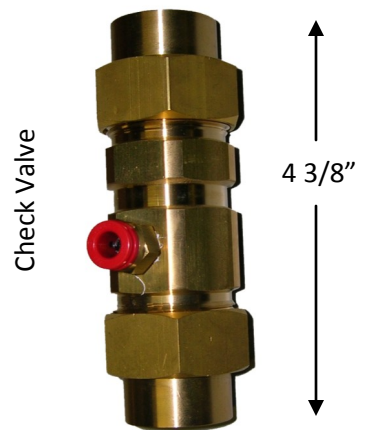


### MATERIAL LIST

<b>Valve - Bottom</b>	Bottom	Noryl GFN2
	Labyrinth	Noryl GFN2
	O-ring	EPDM
	Internal pipe (non-wetted)	Brass C36000
	Seat	SS
	Union Tailpiece (3/4" FNPT)	Lead-Free Brass C49260
<b>Valve - Top</b>	Union Nut (non-wetted)	Brass C36000
	Top	Noryl GFN2
	Metal Sleeve	SS
	Diaphragm Spring	SS
	Socket Caps & Screws	SS
	Washers	SS
	Elbow Connector	SMC Fittings
	Plug	Polypropylene
	Loctite	565
	<b>Diaphragm Assembly</b>	Diaphragm Small Disk
Diaphragm Large Disk		Noryl GFN2
Diaphragm DC-175-15-1		Fabric reinforced EPDM
Valve Seat		EPDM
<b>Piston Assembly</b>	Pan HD washer & nut	SS
	Piston	Noryl GFN2
	Labyrinth Housing	Noryl GFN2
	CV Diaphragm	EPDM
	O-rings	EPDM
	Ball Stop Slots	Lead-Free Brass C49260
	Ball Stop Cap	Lead-Free Brass C49260
	Ball Housing	Lead-Free Brass C49260
	Ruby Orifice	SS / Buna
	Balls	SS / Buna
	CV Spring	SS
<b>Check Valve Assembly</b>	Lubricant	Super Lub 41030
	Check Valve	Lead-Free Brass C49260
	Union Tailpiece (3/4" FNPT)	Lead-Free Brass C49260
	Union Nut (non-wetted)	Brass C36000
	Neoperl Valve	OV20
<b>Sensing Line</b>	Washer	EPDM
	1/8" Sensing Line	PEX



**All Unions**  
3/4" FNPT



Check Valve

Sensing Line

