



Est. 1954

**ACORN ENGINEERING COMPANY**  
Manufacturer of Engineered Products

## HOSE BOXES

Includes hose boxes, supply boxes & hose valves





# INTEGRAL STOP NON-FREEZE WALL VALVE & BOX

## Integral Stop Wall Valve & Box with Non-freeze Protection

Typical Applications—Year-round use on the interior or exterior of commercial and light commercial buildings.



The dual check wall valve provides positive non-freeze protection where water is required on interior or exterior walls of a commercial building and where an exposed hose connection is acceptable. Constructed from bronze with a stainless steel face, this valve reaches full flow with a quarter turn of the handle. The length and size of the valve are adaptable to all types of wall construction for easier installation. In addition, the unit is equipped with a service shut off valve to turn off the water supply, enabling the user to maintain or replace internal parts of the valve without shutting off the main water supply. The integral stop valve is concealed in a stainless steel box with door and cylinder lock to prevent unauthorized access to the nozzle and operating mechanism.



**A stainless steel, lead-free option is available on some hose boxes only (suffix option -SSLF).** The wetted surface of our stainless steel, lead-free models contains less than 0.25% lead and complies with California, Vermont and the Federal Lead reduction Law (Senate Bill S.3874).

- Meets ASSE standards 1052, 1053 and 1019-B.
- Self-draining non-freeze valve with integral vacuum breaker and dual check valve.
- 16 gage, type 304 stainless steel frame cover and 18 gage housing.
- T-handle provided standard. Optional wheel handle can be specified.
- Removable door with cylinder lock.
- Flush installation eliminates catch points.
- 3/4" inlet and hose connection.
- Integral service shut-off valve.
- cUPC by IAPMO certified for U.S. and Canada.



Wall Valve & Box  
(shown-8160)



# STAINLESS STEEL HOSE SUPPLY BOXES



## Stainless Steel Single Temperature and Hot & Cold Hose Boxes Stainless Steel Single Temperature and Hot & Cold Supply and Waste Boxes

Typical Applications: Garages, garbage can wash areas, interior or exterior non-freeze areas, schools, hospitals, clinics, washing areas, restaurants, retail stores, commercial & manufacturing buildings.

Hose & Laser Supply Boxes are designed for interior and exterior walls not subject to freezing. The recessed design prevents accidents common to surface-mounted or protruding hose valves. The boxes are constructed from 18 gage, type 304 stainless steel and have a 16 gage, type 304 stainless steel removable wall flange with a satin finish.



A stainless steel, lead-free option is available on some hose boxes only (suffix option -SSLF). The wetted surface of our stainless steel, lead-free models contains less than 0.25% lead and complies with California, Vermont and the Federal Lead reduction Law (Senate Bill S.3874).

- Removable door with cylinder lock.
- Cartridge operated valves.
- Screwdriver stops.
- Vandal-resistant lockshield bonnets.
- 3/4" NPT female supply connections.
- 3/4" NH male hose outlet.
- 2" SPS waste outlet connection with Permaseal waterproof gasket. (8180 - 8186 models)
- Removable loose key wheel handles. (8180 - 8186 models)
- cUPC by IAPMO certified for U.S. and Canada.



Hot & Cold Hose Box  
with vacuum breaker (shown-8146)

Less door	
less Vacuum Breaker	<b>8145</b>
with Vacuum Breaker	<b>8146</b>
With door	
less Vacuum Breaker	<b>8155</b>
with Vacuum Breaker	<b>8156</b>



Single Temperature Hose Box  
with vacuum breaker (shown-8151)

Less door	
less Vacuum Breaker	<b>8140</b>
with Vacuum Breaker	<b>8141</b>
With door	
less Vacuum Breaker	<b>8150</b>
with Vacuum Breaker	<b>8151</b>



Hot & Cold Supply & Waste Box  
with vacuum breaker (shown-8186)

Less door	
less Vacuum Breaker	<b>8185</b>
with Vacuum Breaker	<b>8186</b>



Single Temperature  
Supply & Waste Box  
with vacuum breaker (shown-8181)

Less door	
less Vacuum Breaker	<b>8180</b>
with Vacuum Breaker	<b>8181</b>



# LUMALOY HOSE BOXES

## Lumaloy Recessed Single and Hot & Cold Hose Boxes Recessed Single Temperature/Hot & Cold Hose Box with Skid-Resistant Surface



Lumaloy Hose Boxes are designed for interior and exterior walls not subject to freezing. Their recessed design prevents accidents common to surface-mounted or protruding hose valves. Vacuum breaker models prevent accidental contamination of the potable water supply. Models 8170 - 1876 are ideal for installation in markets and similar commercial buildings in foot traffic locations or where a wall box cannot be used.

**Pb** A stainless steel, lead-free option is available on some hose boxes only (suffix option -SSLF). The wetted surface of our stainless steel, lead-free models contains less than 0.25% lead and complies with California, Vermont and the Federal Lead reduction Law (Senate Bill S.3874).

- Cartridge operated valve.
- Removable loose key wheel handle.
- Screwdriver stop.
- Vandal-resistant lockshield bonnet.
- 3/4" NPT female supply connection.
- 3/4" NH male hose outlet.
- cUPC by IAPMO certified for U.S. and Canada.



Single Temperature Lumaloy Recessed Box with vacuum breaker (shown-8104)

Less door and frame	
less Vacuum Breaker	<b>8101</b>
with Vacuum Breaker	<b>8102</b>
With door and frame	
less Vacuum Breaker	<b>8103</b>

### Models 8101 (not shown) - 8104 & 8106 (not shown) - 8109

- Lumaloy box and frame.
- Removable frame and door with prime coat finish.
- Door with recessed cam latch.

Typical Applications - Interior or exterior non-freeze areas, garages, schools, restaurants, retail stores, commercial & manufacturing buildings.



Hot & Cold Lumaloy Recessed Box with vacuum breaker (shown-8109)

with Vacuum Breaker	<b>8104</b>
Less door and frame	
less Vacuum Breaker	<b>8106</b>
with Vacuum Breaker	<b>8107</b>
With door and frame	
less Vacuum Breaker	<b>8108</b>
with Vacuum Breaker	<b>8109</b>

### Models 8170 (not shown) - 8176

- Stainless steel box with bead blast interior.
- Removable cast Lumaloy frame with door.
- Diamond tread skid-resistant surface for floor installation.
- Cam lock.

Typical Applications - Non-freeze areas, schools, restaurants, food processing plants.



Single Temperature Floor Recessed Box with vacuum breaker (shown-8171)

less Vacuum Breaker **8170**



Hot & Cold Floor Recessed Box with vacuum breaker (shown-8176)

with Vacuum Breaker	<b>8171</b>
less Vacuum Breaker	<b>8175</b>
with Vacuum Breaker	<b>8176</b>





# TEMPERATURE CONTROL BOXES & HOSE VALVES



## Temperature Control Boxes

Typical Applications - Shower/locker rooms, schools, gyms, exercise/sports facilities.

These temperature control boxes offer a water supply ideal for small applications and isolated locations. Each unit is constructed of 18 gage, type 304 stainless steel with a satin finish and delivers up to 7.5 GPM with 40 PSI minimum inlet pressure and adequate water volume. Both recessed and surface-mounted models are available.

- Brass valve.
- Removable wall frame and hinged locking door.
- Hot and cold mixing valves.
- Concealed check stops.
- Temperature gage calibrated from 0°F to 200°F.
- Manual temperature limiting stop.
- ½" NPT female supply connections.
- cUPC by IAPMO certified for U.S. and Canada (models 1752 & 1753).

Surface Mounted Pressure Balancing (shown-1751)



Surface Mounted Thermostatic (shown-1753)



Recessed Thermostatic (shown-1752)



## Hose Valves

Typical Applications - Interior/exterior non-freeze areas, schools, rest stops, restaurants, office & manufacturing buildings, retail stores.

Hose valves are recommended for installation in interior and exterior locations not subject to freezing. The valves have a rough, brass finish body. Each unit can provide up to 7.5 GPM with 40 PSI minimum inlet pressure and adequate water volume. This series includes units that can be installed directly on the wall or on a supply pipe.

**Pb** A stainless steel, lead-free option is available on some hose boxes only (suffix option -SSLF). The wetted surface of our stainless steel, lead-free models contains less than 0.25% lead and complies with California, Vermont and the Federal Lead reduction Law (Senate Bill S.3874).

- Vandal-resistant lockshield bonnet.
- Removable loose key wheel handle.
- Integral wall flange.
- Available in bent, straight and inverted nose, with and without the vacuum breaker.
- Optional polished or rough chrome plated finish.
- ¾" NPT female supply connection.
- ¾" male hose outlet.
- cUPC by IAPMO certified for U.S. and Canada.

Bent Nose - Flange with vacuum breaker (shown-8120)



less Vacuum Breaker **8120**  
with Vacuum Breaker **8121**

Bent Nose - no Flange without vacuum breaker (shown-8125)



less Vacuum Breaker **8125**  
with Vacuum Breaker **8126**

Straight Nose without vacuum breaker (shown-8130)



less Vacuum Breaker **8130**  
with Vacuum Breaker **8131**

Inverted Nose with vacuum breaker (shown-8136)



less Vacuum Breaker **8135**  
with Vacuum Breaker **8136**



# HEMO-DIALYSIS BOXES

## Recessed Hemo-Dialysis Supply & Waste Box



Typical Applications - Hospitals, clinics.

Hemo-Dialysis boxes have been especially designed for dialysis machines that utilize RO (reverse osmosis) and DI (deionized) water, mixed with dialysate saline concentrate. This water is very corrosive and is commonly called "hungry water," because it eats away steel, some stainless steels, cast iron, copper and brass metals commonly used in supply and waste systems. There are two basic types of dialysis machines. One mixes dialysate into the RO-DI water inside the machine and the other requires pre-mixed water. When only one type is used, the single valve models are satisfactory. When both types are used, a two valve model is required.

### Models 8190 - 8196

- Type 316 stainless steel with bead blast interior.
- Removable wall flange of type 304 stainless steel with satin finish.
- Hinged door with cylinder lock.
- PVC ball valve with EPDM seals.
- Discharge hose bracket with rubber grommet.
- 2-3/8" OD waste outlet.
- cUPC by IAPMO certified for U.S. and Canada.



Box without Door  
two valve supply (shown-8190)



Box without Door  
one valve supply (shown-8191)



Box with Door  
two valve supply (shown-8195)



Box with Door  
one valve supply (shown-8196)

# LASER & REMOTE SUPPLY BOXES

## Laser Recessed Supply & Waste Box

Typical Applications - Hospitals, clinics.

The Laser Recessed Supply & Waste Box is constructed from 18 gage, type 304 stainless steel with a glass blast finish interior. The exterior of the box includes mounting clips for anchoring the box to the wall. The removable wall flange is 16 gage, type 304 stainless steel and includes a door with a cylinder lock. All exterior surfaces are polished to a satin finish.

- Cartridge operated supply valve with vacuum breaker and 3/4" NPT female quick disconnect fitting.
- Screwdriver stop.
- Vandal-resistant lockshield bonnets.
- Waste connection with 3/4" NPT female quick disconnect fitting.
- Quick disconnect socket fittings with positive shutoff.
- 3/4" NPT female supply connections.
- 2" SPS waste outlet connection with Permaseal waterproof gasket.
- cUPC by IAPMO certified for U.S. and Canada.



Laser Recessed Supply & Waste Box  
(shown-8198)

## Remote Supply Boxes

Typical Applications - Remote supply for wash down areas where temperature control and a remote hose connector is needed, such as in schools, restaurants, hospitals, and garbage can washing areas.

Remote Supply Boxes are used to supply water to flushing rim drains, can washing drains, shower heads, soap machines, and hospital equipment. Models with a temperature gage are recommended where it is desired to know the temperature of the water being supplied.

- Type 304 stainless steel with satin finish.
- Cartridge operated mixing valve.
- Concealed individual stops.
- Atmospheric vacuum breaker.
- 1/2" NPT female supply and outlet connections.
- Temperature gage calibrated from 0°F to 200°F.
- Removable wall frame and/or hinged locking door.
- cUPC by IAPMO certified for U.S. and Canada.



Recessed Single Use Remote  
with temperature gage (shown-8200)

with Temperature Gage **8200**  
less Temperature Gage **8201**



Recessed Dual Use Remote  
with temperature gage (shown-8210)

with Temperature Gage **8210**  
less Temperature Gage **8211**



Surface Mounted  
Single Use Remote  
with temperature gage (shown-8205)

with Temperature Gage **8205**  
less Temperature Gage **8206**



Surface Mounted  
Dual Use Remote  
with temperature gage (shown-8215)

with Temperature Gage **8215**  
less Temperature Gage **8216**





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**ACORN ENGINEERING COMPANY**  
Manufacturer of Engineered Products  
P.O. Box 3527 • City of Industry, CA 91744 U.S.A.  
Tel 800-488-8999 • 626-336-4561  
Fax: 626-961-2200  
Web: www.acorneng.com

## MORRIS GROUP INTERNATIONAL



### ACORNVAC, INC.

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Manufacturer Representatives  
P.O. Box 3787, City of Industry, CA 91744  
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