

ZERO LOSS COMPRESSED AIR CONDENSATE TRAP



**CONDENSATE
HANDLER™**

**CORROSION
HANDLER™**

**OIL
HANDLER™**

**PRESSURE
HANDLER™**

**RUST
HANDLER™**

**TEMPERATURE
HANDLER™**

**VACUUM
HANDLER™**

**VOLUME
HANDLER™**

another engineered flow control solution from



**control
devices, LLC**



What Drain-All Does for You ...

It saves installation headaches, maintenance hassles, electricity costs and wasted compressed air.

Drain-All Condensate Traps are Automatic

No timers to adjust. No modifications needed after installation. Each trap is actuated only as necessary according to the needs of your system. This prevents over- and under-draining, preserving system pressure and eliminating wasted compressed air.

Drain-All Condensate Traps are Totally Pneumatic

Because the drains are totally air-operated, installation is flexible. Install the condensate traps in remote facilities, explosion-risk areas, or hard-to-reach points along the system where electricity is not available.

Drain-All Condensate Traps are Efficient and Environmentally Friendly

The drains are "green" products and require no electricity, so energy costs are minimized. Automatic air-operation minimizes system blow down and reduces wasted expensive system pressure.

Drain-All Condensate Traps are Reliable

Corrosion-resistant materials and few moving parts keep your systems up and running. Because the drains are pneumatic, they are not affected by the vulnerabilities of electrical devices such as timer solenoid valves, motorized ball valves or electrically operated float traps.

Drain-All Condensate Traps are Easily Installed and Well Supported

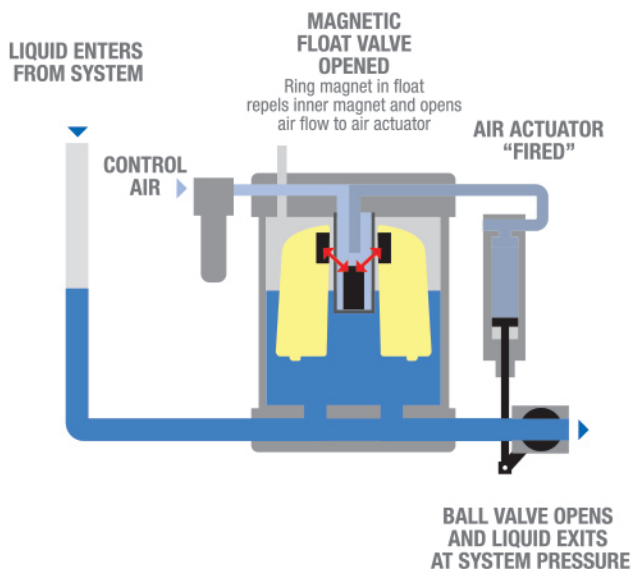
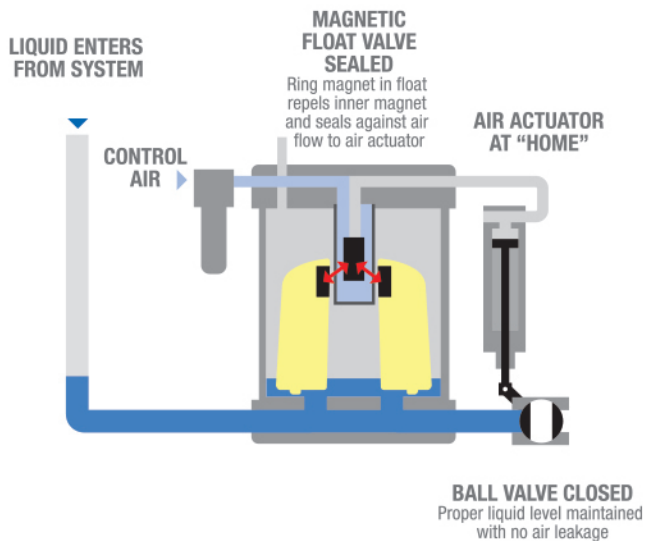
Simple pipe and tubing connections are all that are required for installation. Our support engineers will assist you to custom-specify your condensate traps when you place your order. You'll have the right condensate trap for your application. If something isn't clear during installation or if you have a technical question, our Technical Service Department is available to assist you.

Drain-All Condensate Traps are Customizable

Every order includes a consultation with support engineers who will help you identify which Drain-All condensate trap options fit your application. Eight product groups cover a wide range of condensate trap applications in which special materials, components, or design elements are required. Special ordering is available when specifications require elements from more than one product group.

How Drain-All Works ...

It's simple and efficient.



Drain-All is a “Green” Product ...

It saves money.

Its Unique Design Will

- Save Wasted Compressed Air
- Lower Energy Costs
- Reduce Waste
- Eliminate Maintenance Headaches
- Improve Plant Safety
- Provide an Immediate ROI

Drain-All Condensate Traps

- Help Reduce Compressed Air Loss
- Require No Electricity for Operation
- Provide Worry-Free Automatic Operation for Years

An Open 3/8” Valve Used to Drain Condensate Means 6,670,000 ft³/mo in Wasted Air.*

6,670,000

\$1,160 Lost Every Month

*Based on air at 100 psi, a nozzle coefficient of .65 under operating conditions of 3 shifts, 7 days per week and air cost of 7 cents per kilowatt-hour.

Drain-All Has Joined the Family of Flow Control Solutions Offered by Control Devices, LLC.

Control Devices is a global manufacturer of air, gas and water flow control solutions including valves, nozzles and accessories for markets that include air compressor, pressure washer, fire suppression, vehicle systems, food service, industrial and specialty gas. Control Devices has an excellent reputation for providing superior engineering services and outstanding product quality.

How Drain-All Meets Your Requirements ...

Eight product groups, and each is customizable.

CONDENSATE HANDLER™ This model replaces the Model 1700 and includes Drain-All's patented "through-port design" for more throughput capacity of solid debris. This is the standard condensate trap in the line. It will fit most industrial applications and compressors up to approximately 1,500 hp depending on the ambient conditions and other factors.

- Normally for indoor use
- Made from standard materials

CORROSION HANDLER™ Corrosive chemicals in the condensate or in the ambient environment require application-specific materials. Corrosion Handler is manufactured with that in mind. Materials such as stainless steel and anodized aluminum can be selected to resist corrosion under many different conditions. Applications include:

- Carbon dioxide (CO₂) applications
- Natural gas
- Water purification (RO water or distillation)

OIL HANDLER™ This is the trap to choose when the liquid stream contains large amounts of low specific gravity oil or compressor lubricants. The Oil Handler can drain liquids with a specific gravity as low as 0.7. Applications include:

- Older air compressors with heavy leakage of lubricants into the condensate stream
- Ethanol processing
- Any industrial process involving low specific gravity fluids under pressure

PRESSURE HANDLER™ When the application pressure exceeds the normal (Condensate Handler) trap pressure specification of 170 PSI, select a Pressure Handler. Models are available in 300 PSI, 750 PSI, and 1,200 PSI ratings. A special configuration is also available to drain liquids at atmospheric pressure requiring a pressurized discharge to move liquids vertically or against back pressure. Applications include:

- Blow molding operations
- Specialty gas manufacture
- Atmospheric liquid run off
- Gas purification processes involving the introduction of large amounts of water into a compressed gas stream

RUST HANDLER™ This is the trap to choose when the application involves very large amounts of scale, rust, or other solid debris in the liquid stream. The patented through-port design on this model will pass even the largest amounts of solid debris without clogging or affecting trap function. Applications include:

- Systems with very old, rusty piping
- Rust and scale from older equipment
- Sediment and debris from desiccant dryers

TEMPERATURE HANDLER™ For liquid temperatures above the normal (Condensate Handler) temperature specification of 170°F, this is the trap to consider. Models are available in 250°F and 350°F ratings. These traps are not suitable for steam service. Applications include:

- Hot liquids from clean out / maintenance processes
- Hot temperature process liquids under pressure

VACUUM HANDLER™ This is the trap to choose when the process involves draining liquid that is under any type of vacuum. The Vacuum Handler collects and drains liquid from the vacuum system while isolating the vacuum system from drawing in atmospheric air. The standard option drains liquid from the trap by gravity, but an option is available to use pressurized air to discharge the accumulated liquid vertically or against back pressure. Applications include:

- Gas reclaiming operations
- Vacuum pumps
- Machining operations using vacuum to secure parts

VOLUME HANDLER™ If your equipment produces very large amounts of liquid, Volume Handler is likely the trap you need. These are available in two sizes: 1" NPT and 2" NPT. The 1" size drains up to 8 gallons per minute at 100 PSI, and the 2" size drains up to 50 gallons per minute at 100 PSI.

- For very large compressor systems up to 40,000 horsepower