

# LIQUID DRAINERS

## WLD9000

### Blast Discharge Liquid Drain Trap

Model	WLD9000
Sizes	3/4"
Connections	NPT
Body Material	High Tensile Aluminum
PMO Max. Operating Pressure	200 PSIG
TMO Max. Operating Temperature	200°F
PMA Max. Allowable Pressure	200 PSIG @ 250° F
TMA Max. Allowable Temperature	200° F @ 200 PSIG



### TYPICAL APPLICATION

The WLD9000 is used to drain liquids from systems where dirt and oil is a problem. Typically used on receivers, separators, intercoolers, aftercoolers, reservoirs, risers, main drips and refrigerated dryers.

### HOW IT WORKS

This liquid drainer has a float actuated pneumatic pilot valve that gives the trap a cyclic on/off flow characteristic. When the liquid level pushes the float arm to the top of its travel, a magnetic shuttle switch is tripped to allow system air through the pilot port, which actuates the discharge valve to blast the liquid out under the system pressure. With the float arm now at the bottom of its travel the magnetic shuttle switch reverses position to allow the discharge valve to close and begin a new filling cycle.

### FEATURES

- Large orifice to eliminate clogging
- Blast discharge to eliminate sludge deposits
- Top and bottom inlet available
- Non-electric
- Stainless steel internals for long life
- Sight gauge for visual check of operation

### SAMPLE SPECIFICATION

The float type liquid drain trap shall be pilot actuated and pneumatically operated with a cyclic blast discharge flow characteristic. The trap body shall be high tensile aluminum with stainless steel internals and a magnetic shuttle switch.

### INSTALLATION

Select the lowest point of the system to provide the best gravity flow. The installation should include isolation valves at inlet and balance lines to facilitate maintenance. The trap must be level and upright for the float mechanism to operate.

### MAINTENANCE

It is recommended to flush out accumulated sludge and dirt by pushing the manual drain at least once a month. Once a year, a thorough cleaning of the operating mechanism is recommended.

### MATERIALS

Housing	High Tensile Aluminum
Internal	Stainless Steel
Tubing	Copper
External Fittings	Stainless Steel & Brass
Seals	Viton, Nitrile & Teflon

### CAPACITIES

Maximum capacity of 500 gallons per hour.

### DIMENSIONS

