



Low operating cost

Electronic operation

Twin capacitive sensors

High reliability

Fully serviceable

Local or remote alarms

Three inlets

Metal valve housing



ZL5000 Series

Zero Loss condensate drains

*“Cost effectiveness from STELSEP®
....an iconic energy saver for the toughest jobs”*

Compressed air condensate doesn't form at a constant rate. It varies according to system demand and ambient conditions.

On a hot and humid afternoon, and in full production, your condensate drain might have to handle ten times the condensate that's produced on a cool evening shift

So, while a timer operated drain is cheap to buy and easy to install, it can NEVER be set up to operate efficiently.

Adjust it for maximum demand and it wastes air at all other times. Set it up for low demand and the result is disastrous; but you can't adjust it every few minutes.

How much can you save?

A timer operated valve with 5/32" orifice, purging for 10 seconds every 10 minutes at 100 PSI, discharges about 40 cubic feet of air each hour.

This means a 24/7/365 facility paying \$0.11 per kW/h for electricity, will be wasting over \$150 of compressed air each year

Electronic function control



- Low power consumption with operating indicators
- Local full test circuit to check and exercise system
- Intelligent control measures rate of discharge
- Closes valve before escape of compressed air
- Local alarm indication + contacts for remote alarm

Heavy duty valve body

- Sensor measures full and partially empty state
- Large drain volume limits frequency of operation, extends life
- Local and remote alarm indications
- Strainer to protect valve seat from excessive dirt particles



Pilot air powered diaphragm valve



- Positive operation using internal pilot air
- Differential pressure above and below diaphragm creates seal
- Control circuit releases pilot air pressure to empty drain
- Air pressure is re-applied, re-sealing the valve before air can escape
- Designed with large orifices and metal valve housing for reliability

Model	Description	Pressure	Port size	Seal	Alarms	Body	Voltage options	Weight	Operating ambient
ZL5000	Zero-loss drain with capacitive sensors & pilot air operation of the diaphragm seal	232 psi	Top 3/4" NPT	NBR	Local only	Aluminum	110VAC	5 lb	+34F
ZL5000RA			Front & outlet 1/2" NPT		Local + remote contacts		220VAC		+140F