

STERLING[®] **separation**



Low operating cost

Electronic operation

Twin capacitive sensors

High reliability

Hard coating protection

Fully serviceable

Alarm indicator - optional
remote alarm contact

Visible condensate level

Three inlets

Metal valve housing

ZL 5000

Zero Loss condensate drain

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

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

On a hot and humid afternoon, during a full production shift, 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 reset it every few minutes. **ZL5000** adjusts itself

How much could you save?

A timer operated valve with a 4mm orifice, purging for 10 seconds every 5 minutes at 100 PSI, discharges around 40 cubic feet of air each hour.

This means a 24/7/365 facility paying 11p per kW/h for electricity, could be wasting over £300 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
- Alarm indication + optional contacts for remote alarm

Heavy duty - throughout

- 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



Air powered diaphragm valve



- Features powerful operation using internal pilot air supply
- Differential pressure on the diaphragm creates the seal. A signal from the sensor triggers the solenoid to release a tiny volume of air allowing diaphragm to lift. System pressure forces out the condensate
- Air pressure is re-applied, re-sealing the valve before air can escape
- ZL 5000** has large orifices and a metal valve housing for reliability

Model	Capacity	Working pressure	Port size	Seal Material	Body Material	Remote alarm contacts	Supply Voltage	Weight	Working Temp
ZL 5000-220	5000 cfm (140 m ³ /min) *2 for dryer or *10 for filter	1-16 bar	Inlets Top 3/4" Front 1/2" BSP Outlet 1/2" BSP	NBR	Aluminium	No	230VAC	2.2Kg (4.8 lb)	+1C to +60C (34F to 140F)
ZL 5000-220-RA						Yes			
ZL 5000-110						No	110VAC		

For any other information, please visit www.sterlingsep.com or contact us direct

STERLING Separation Ltd, Unit 24 Longford Ind Est, Longford Rd, Cannock, WS11 0DG

t: 01543 502010 e: sales@sterlingsep.com www.sterlingsep.com

manufacturer & supplier of condensate management and air treatment products