

Intellidrain™

**ZERO-LOSS
ELECTRONIC
CONDENSATE
DRAIN VALVE**



Eliminates waste of valuable compressed air

Push-to-test verifies performance

Quiet operation

Intellidrain™

Zero-Loss Electronic Condensate Drain valve

The Motivair Intellidrain is suitable for installation on all compressed air system components, such as refrigeration dryers, aftercoolers, filters, receiver tanks, etc. Unlike timer/solenoid drain valves, Intellidrain only discharges after condensate has been accumulated, and closes before any valuable compressed air is wasted.

Compressed Air Wasted by Timer/Solenoid Drain Valves

A single 1/4" timer/solenoid valve will discharge approximately 104 scfm at 100 psig - this is equivalent to the total capacity of a 20 HP compressor. It is certain that a compressed air system with many timer/solenoid drain valves wastes large amounts of electrical energy.

All compressed air systems have widely varying rates of compressed air volume usage, depending on shift operations, production volumes, etc. The amount of condensate produced in the system, per cubic foot of air used, also varies according to the ambient temperature and humidity. When combined, these 2 variables are compounded. Therefore the actual quantities of condensate to be removed from any compressed air system will vary considerably from shift to shift, day & night, and season to season.

Timer/solenoid drain valves are set to open and close via a fixed timer setting, under maximum conditions, plus a safety factor. Practical considerations preclude the possibility of continuously changing the settings to compensate for changes in compressed air usage or ambient conditions. The result is continuous wastage of compressed air, which translates directly into unnecessary compressor operation and wasted electrical energy. Additionally, there is considerable noise pollution from discharging solenoid valves - typically in the 85-95 dB range.

Motivair reserves the right to change specifications without notice

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The Intellidrain Solution

The Motivair Intellidrain completely eliminates the problems of wasted air and noise pollution. Condensate accumulates in a small internal reservoir. An electronic proximity sensor opens the valve at the upper condensate limit, then closes again, before the reservoir empties and before any valuable compressed air is lost. The operation is virtually silent and is completely independent of compressed air usage or ambient humidity. A push-to-test button allows the operator to verify the system is operating correctly at any time. The cost of the Intellidrain is only slightly more than a timer/solenoid drain. However, the complete elimination of wasted compressed air, and the corresponding saving in electrical energy, are worth many times the cost of the Intellidrain.

Technical Data

Model: ZLM 20

Power supply: 115/1/60 (24V & 230V available)

Power consumption: 14W

Max. working pressure: 230 psig

Max. condensate temperature: 176 F

Max. ambient temperature: 140 F

Max. draining capacity: 20 Lb/h

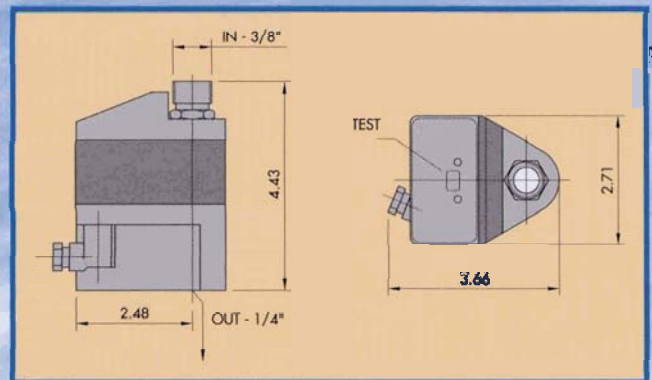
Inlet: 3/8" NPT

Outlet: 1/4" NPT F

Weight: 1.4 lbs

Supplied with 6' cable & NEMA plug

Optional inlet strainer/isolation valve available



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