



## Electronic Drain Valves

The Ingersoll Rand Electronic Drain Valve (EDV) is a full-feature automatic electronic solenoid drain valve that cost-effectively removes condensate from compressors, receivers, dryers, aftercoolers, filters and drip legs. Each EDV includes an electric drain, manual blowdown valve, and a strainer/ball valve, which prevents debris from clogging the drain valve.

### Features

The reliable EDV is a cost-effective, user-friendly, automatic electronic drain valve with a compact footprint. This all-purpose valve removes condensate from compressors, receivers, dryers as well as from after coolers, filters and drip legs. Each EDV includes a y-filter with mesh screen and ball valve to help prevent clogging.

#### SIMPLE DESIGN

Condensate follows a serpentine path through a small orifice that is actuated by an electric timer. The length of time the drain is open and the frequency at which it opens can be adjusted manually by easy to operate dials. Depending on humidity and duty cycle, requirements for condensate discharge can be set and changed over time.

#### SIMPLE OPERATION



Offered in a variety of outlet pipe and orifice sizes, this compact and reliable drain valve can meet system demands easily. Ultra bright LED lights alert the user when the power is on and the valve is open.

## FEATURES

- **NEMA 4 (IP65) enclosure** for enhanced protection against water and particulates
- **CE & UL** agency approved components
- **Exclusive SBV hex cap** with whistle notch to alarm if strainer is being serviced under pressure. Operates on demand zero air loss design for energy savings
- **Compact Size** for operation in confined spaces
- **Time on & time off dials** for easy adjustment to system demand requirements
- **Strainer/ball valve combination** prevents valve from clogging and allows for isolation when servicing
- **Test switch** for manual override to actuate the drain

EDV Specifications			
Feature	Data	Feature	Data
Timer Interval	0.5-45 minutes	Manual Override	Yes
Drain Cycle	0.5-10 seconds	Seals	Viton®
Maximum Air Pressure	250 psig (17.25 bar)	LEDs	Ultrabright
Dimensions	4.75" x 3.5" x 2" (121 mm x 89 mm x 51 mm)	Controls	Large, easy to read and adjust
Weight	1.5 lb (680 g)	Mounting	NPT or BSP connections
Operating Temperature		Enclosure NEMA 4 (IP)	Yes
Fluid	33°F-265°F (1°C - 129°C)	Valve Plunger	18PM
Ambient	4°F-125°F (-16°C - 52°C)	Valve Body	Low lead brass (≤ 0.5%)

## Model Specifications

ModelName	Inlet Connection (mm / in)	Orifice Diameter (mm / in)	Outlet Connection (mm / in)	Voltage
3.7995891E7	12.7 / 0.5 NPT	10.7 / 7/16	12.7 / 0.5 NPT	110/120V
3.7995909E7	6.4 / 0.25 NPT	10.7 / 7/16	6.4 / 0.25 NPT	230/240V
3.7995917E7	12.7 / 0.5 NPT	10.7 / 7/16	12.7 / 0.5 NPT	230/240V
3.7995925E7	6.4 / 0.25 NPT	2.3 / 3/32	6.4 / 0.25 NPT	110/120V
3.7995933E7	6.4 / 0.25 NPT	2.3 / 3/32	6.4 / 0.25 NPT	230/240V
5.4410931E7	6.4 / 0.25 NPT	10.7 / 7/16	6.4 / 0.25 NPT	110/120V
5.4579248E7	JIC-14	2.3 / 3/32	6.4 / 0.25 NPT	110/120V
9.7339402E7	JIC-14	2.3 / 3/32	6.4 / 0.25 NPT	230/240V



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