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**AD14BV – Automatic Drain**

1/4" NPT with Strainer - 115 Volt

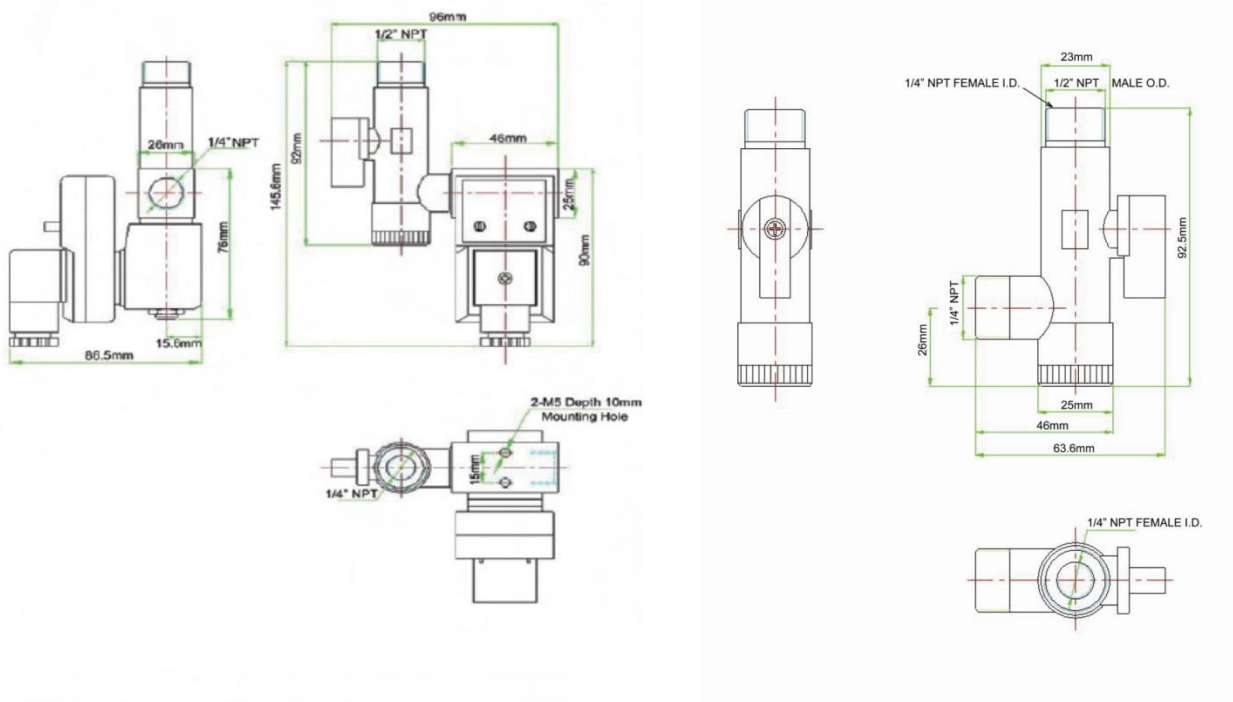
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**AD14BV**



**DRAIN MANUAL CONTENTS**

- Technical Data
- Installation Information
- Parts Information



## AD14BV – Automatic Drain

1/4" NPT with Strainer - 115 Volt

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### Product Description

AD14BV timed electric drain consists of a timer, solenoid valve, coil, din connector, gaskets, 10' power cord with three pronged plug. A ball valve strainer is also included and installed as standard.

### Timer Technical Data

Interval Time Off Min 0.5 – 45 minutes adjustable  
Discharge Time On Sec 0.5 – 10 seconds adjustable  
Supply Voltage 115/1/60 Hz (other voltages available)  
Voltage Tolerance + or – 10%  
Manual Test Switch standard  
Current 4mA  
Switch Capacity: 1A  
Operating Temperature -20°C to +50°C  
Protection Class IP65, NEMA 4 installed  
Timer Case Material FR Grade ABS Plastic Flame-proof  
Connection DIN43650A ISO4400/6952  
Indicators Yellow valve open or closed  
Approval cRUus Canada and USA

### Valve Technical Data

Valve Type 2/2 way direct acting  
Connection Ports In / Out 1/4" npt female (other sizes available)  
Maximum Working Pressure 232 psig  
Operating Temperature 2°C to 55°C  
Maximum Fluid Temperature 90°C  
Valve Construction brass  
Orifice Size 4.5 mm  
Protection IP65  
Supply Voltage 115/1/60 Hz (other voltages available)  
Voltage Tolerance + or – 10%  
Coil H grade  
Mounting Configuration any  
Approval cRUus Canada and USA

### AD14BV Product Function

The AD14BV timed electric drain is designed to drain condensate from air compressors, moisture separators, filters, air dryers and drop legs in a compressed air system. The timer will control condensate drainage at any interval between the adjustable time cycles from 0.5 to 45 minutes. The draining time can be set between 0.5 to 10 seconds.

### Installation Service and Maintenance Information

**CAUTION. FOR INSTALLER SAFETY PLEASE ENSURE THE COMPRESSED AIR SYSTEM HAS BEEN COMPLETELY VENTED AND IS UNDER NO PRESSURE AND ALL ELECTRICAL POWER IS OFF BEFORE INSTALLING DRAIN.**

When installing the AD14BV drain valve insure the valve direction shown on valve body is correct and the condensate will discharge in the same direction as the arrow shown on the valve body. Please ensure the ball valve strainer is installed on the inlet side of the drain in order to protect and maintain the drain. The drain valve may be installed in any configuration. An oil/water separator is recommended on the discharge side of the drain valve. This will allow for separation and clean condensate being discharged in order to meet the sewer use by-law. The drain is generally maintenance free but we recommend replacing parts every few years. The test button may be used to test drain as required. Parts are available from Fournitures Nortech Supply.

### Timer Setting

Set Interval Time OFF: MIN adjustment knob on right side of timer face. Set Discharge Time ON: SEC adjustment knob on left side of timer face. Normal setting is 2 seconds ON: SEC knob and 10 to 20 minutes OFF: MIN knob. In order to prevent unnecessary power consumption, draining and wear and tear the user may adjust timer for best results as required.

### Replacement Part Numbers

Timer T-722 Timer/Din Gasket TG-722  
Coil SC-722 Timer/Coil Gasket CG-722  
Valve V-721 Valve Nut VN-722  
Din Connector DN-722 Din Connector Screw DS-722  
Power Cord/Plug PC-722 Ball Valve Strainer CS-S95