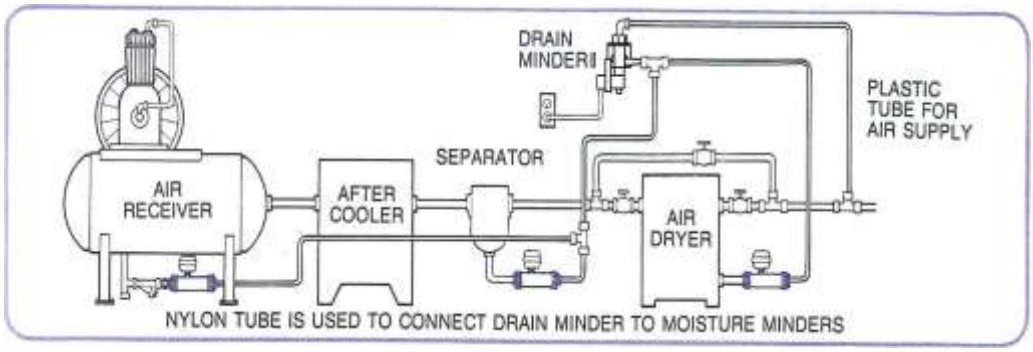
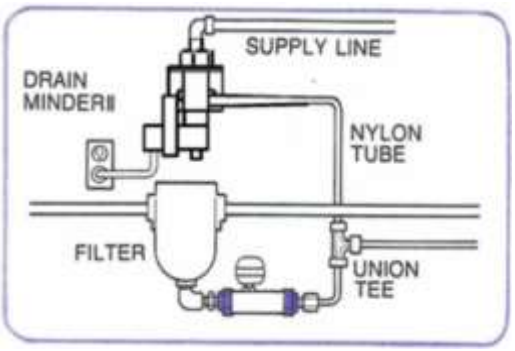
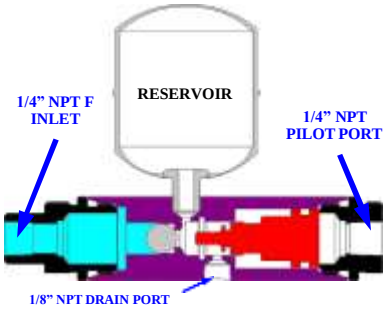
Typical Air System



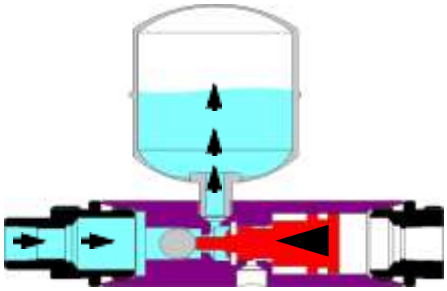


VALVE AT REST



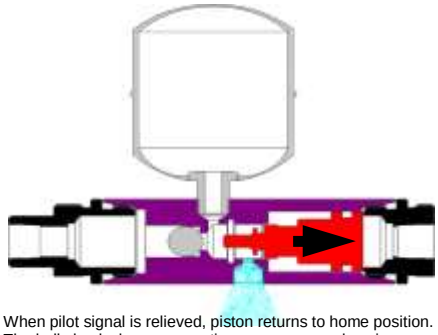
Condensation enters left hand or water inlet of valve.

PILOT SIGNAL FROM UNLOADER



Pilot signal causes piston to shift, closing off the drain port. As piston continues to move it will open up the stainless ball check allowing condensate to be forced up into the external reservoir creating a discharge pressure.

PILOT SIGNAL RELIEVED



When pilot signal is relieved, piston returns to home position. The ball check closes preventing zero pressure loss in system. The drain port opens and stored condensate is ejected from the drain port.

The Drain MinderII Controller is installed in the typical system by teeing into a filtered air supply and connecting the supply line to the inlet side of the controller (150 PSI max.) The controller can be mounted to the wall or other stationary surface with mounting brackets. The unit comes with a 6 foot 110V power cord.

The individual Moisture Minder drain units can be installed throughout your system, as shown by using the appropriate fittings. All that is needed to connect the Moister Minders to the controller is to run a nylon tube from the outlet to the intermittent air side of the Moisture Minder. More than one unit may be run with the addition of a union tee. Five units in all may be run off the controller at distances up to 100 feet. By adjusting the timer, draining can be done at intervals from 2 seconds to 120 minutes. As the controller turns on, it sends an air signal to the Moisture Minder which forces the spring-loaded piston past the exhaust port, sealing the water collection chamber from the atmosphere. As the piston moves forward the spring loaded stainless steel ball valve is opened, permitting condensation & Oil to be forced up into the stainless steel reservoir, this compresses the air in the top of the reservoir to system pressure, When the controller turns off the intermittent air signal, the spring loaded piston returns, closing the system from the atmosphere, When the piston is in the original position, the exhaust port is opened, allowing the accumulated condensation to be expelled.

Drain Minder II 144-0001

WARNING
BEFORE SERVICING OR WORKING ON ANY COMPRESSED AIR SYSTEM COMPONENTS, USE THE MANUFACTURE'S MANDATORY SAFETY SHUT DOWN PROCEDURE FOR ALL COMPONENTS.

- Mount bracket to wall close enough to a standard outlet.
- Install 20 micron filtered air to the inlet (Continuous Air Flow).
- Connect up to 5 Moisture Minders (automatic drain valve) to the pilot signal.

- Set on time to two-three seconds (Dial on left).
- Set cycle time to accommodate appropriate drainage (Dial on right usually set to approximately 15min.