AIR RELEASE VALVES

OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

The Air Release Valves are fully automatic valves and require no regular maintenance.

The purpose of the "Air Release Valves" is to release air which accumulates in a pipeline during its operation.

OPERATION: The valve, as shipped, is a normally open valve. As the system is being filled, air is vented through the small orifice. When the fluid enters the valve, the float raises and shuts off the orifice, preventing any leakage. As air accumulates and enters the valve, displacing fluid, the float drops, allowing the venting orifice to open. This cycle is repeated as often as necessary during the pumping cycle.

INSTALLATION: Air Release Valves must be installed in a vertical position at high points on a piping system. The valve's inlet must face downward. A shut-off valve should be installed below each valve in the event servicing is required. A drain line is recommended, as the valve may "spit" a small amount of fluid during venting. To vent air quickly during initial start-up, remove the ½-inch pipe plug in the cap of the air vent. **CAUTION**: If TFE tape is used to form the seal on the inlet piping, keep the excess tape from entering the valve. The excess tape could interfere with proper venting or sealing of the valve.

MAINTENANCE: No regular maintenance is necessary; however, periodic inspection for leakage and function can be performed. Close the inlet service valve and slowly remove the ½ -inch pipe plug. The water level within the valve should be within 1" of the top of the opened drain plug. If not, the valve may not be functioning properly and the valve should be removed and inspected for wear and/or possible damage from foreign matter.

Replacement parts are available. Contact Metraflex, your nearest representative or www.metraflex.com.

CUSTOMER_____	**Metraflex.**
PROJECT_____	*for pipes in motion*
ENGINEER_____	DESCRIPTION:
ARCHITECT_____	**Air Release Valves**
PRO. OR P.O. NO._____	Operation, Installation & Maintenance Instructions

DRAWING BY:	DATE:	DRAWING NO.
MR	10-05-11	AIR RLS VLV-OIM