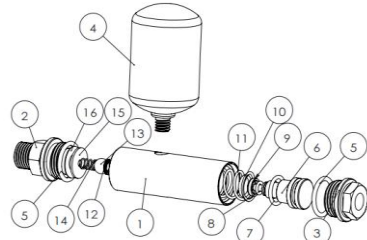
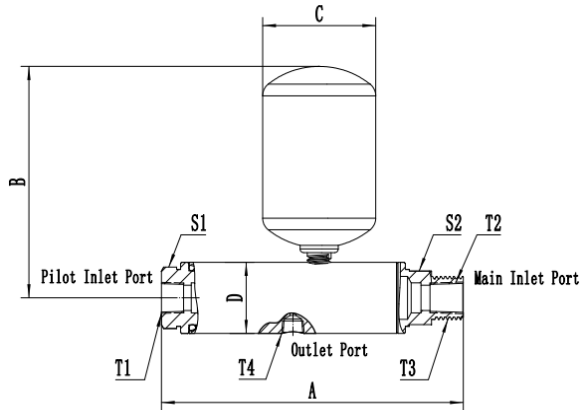


Compact Pneumatic Zero Air Loss Condensate Drain



Note: The exploded view is intended to illustrate internal components for cleaning purposes only. Individual replacement parts are not offered for this unit.

Part No.	T1	T2	T3	T4	A (In)	B (In)	C(In)	D(In)	S1 (In)	S2 (In)	Carton Qty	Wt. (lbs.)
MMD-5025	1/4" NPT	1/4" NPT	1/2" NPT	1/8" NPT	5.35	4.30	Ø2.01	Ø1.24	0.93	0.93	10.00	0.863

Fully Automatic Operation
Designed for reciprocating/piston compressors (up to 30 HP)
No Electricity Required
Maximum Operating and Pilot Pressure: 250 PSI at
86°F Ambient Temperature
Maximum Inlet Air Temperature: 175°F
Aluminum Alloy Body
Stainless Steel Reservoir
Pilot Inlet Port: 1/4" NPT Female
Main Inlet Port: 1/4" NPT Female, combo with 1/2" NPT Male
Installation Manual Included

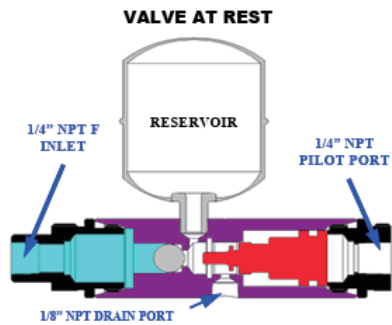
Important:
Not recommended for rotary screw compressors.

Part No.	Description	Material
1	Body	6061-T6
2	Inlet Port	6061-T6
3	Pilot Port	6061-T6
4	Reservoir	304 S.S.
5	O-Ring 1	FKM
6	Valve Core	6061-T6
7	O-Ring 2	FKM
8	O-Ring 3	FKM
9	Gasket	PTFE
10	O-Ring 4	FKM
11	Spring 2	Carbon Steel
12	Star Washer	FKM
13	Steel Ball	304 S.S.
14	Spring 1	304 S.S.
15	Washer	304 S.S.
16	Filter Screen	304 S.S.

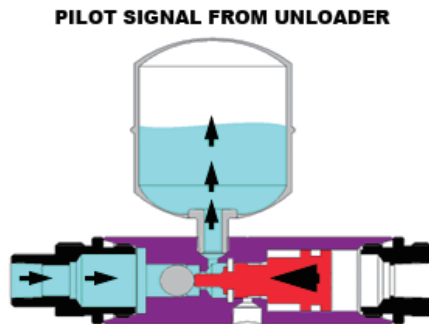
Drawing Date: 7/2025
Rev Level 2 -Date: 08/19/2025



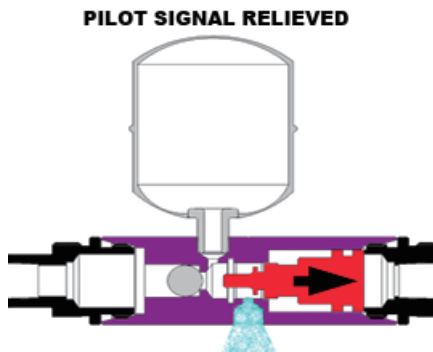
WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause cancer and reproductive harm. For more information go to www.P65Warnings.CA.gov



Condensation enters inlet valve on the left.



The pilot signal air pressure engages the piston, causing the drain port to close. The continued movement of the piston puts pressure on the stainless steel ball check, forcing it further into internal reservoir and allowing the condensate into the collection chamber.



Once the pilot air signal is relieved, the piston and ball check return to their original positions, preventing air pressure loss. The stored condensate is then ejected from the drain port.



Installation Instructions for the MMD-5025 Automatic Drain

PLEASE READ ALL INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION

WARNING: Before servicing or working on any compressed air systems components, follow Midwest Control required safety shutdown procedure for all components.



Note: Clear poly tubing must hook to drain inlet labeled "Intermittent Air Signal".

IMPORTANT SAFETY STEPS:

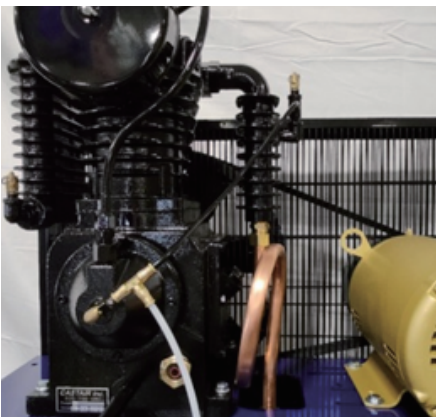
1. Disconnect all electrical power to the system.
2. Apply all required safety lockout/tagout devices.
3. Bleed air pressure in the system down to zero.
4. Always wear appropriate safety glasses.
5. All electrical work must be performed by a licensed electrician.
6. Ensure all work complies with state and local codes.
7. Use Teflon pipe sealant on all pipe fittings.



1. Deplete system of all air pressure.
2. Mount the drain to the compressor tank or filter drain port; use the appropriate hardware for mounting.



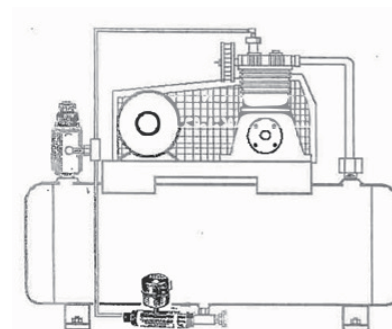
3. Run piping or poly tubing from the compressor pilot unloader valve, vented pressure switch, or the centrifugal unloader to actuate the drain. Be sure to connect this to the inlet labeled *"intermittent air signal"*.



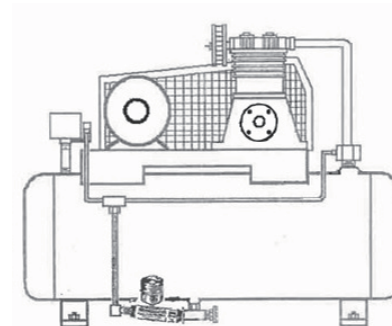
4. Run the piping or poly tubing from the discharge port to the oil-water separator or other appropriate condensation collection reservoir.

Air-Actuated Automatic Tank Drain Valve

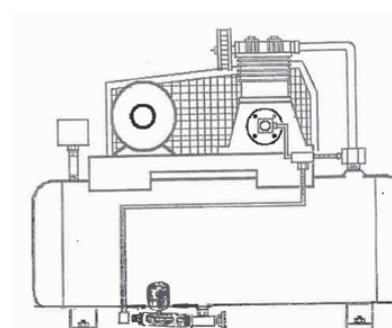
Our innovative tank drain will operate using any air compressor's interrupted air signal available such as a pilot valve, pressure switch unloader, or centrifugal unloader.



Drain Connection for Pilot Unloader Valve



Drain Connection for Vented Pressure Switch



Drain Connection for Centrifugal Unloader