

Tommy Car Wash Systems

Atlas Copco Auto Drain Retrofit

Description

Instructions

Rev. 1.0 | Date: 5/2/2022

This document outlines auto drain retrofit kit for Atlas Copco air compressors

Special Notes:	Tools Required:
Need to purchase TCWS Auto Drain Kit - waiting on PN from Purchasing	Pipe wrench, pipe tape

INSTRUCTIONS:

1) Materials Needed (per compressor):

PN	Qty	Description
P-WAT-2271		1 3/8" male to female elbow
P-WAT-2096		1 1/2" to 3/8" reducer
P-HYD-2045		1 1/2" female to female elbow
MCDV25		1 Timed auto drain w/ 1/2" NPT strainer
P-HYD-2045		2 1/2" female to female elbow
P-WAT-2320		1 1/2" close nipple
P-AIR-2171		1 1/4" MNPT to 3/8" Quick Connect Air Fitting Elbow

STEP 1:

Unplug current auto drain from outlet. Close off ball valve on air compressor drain. Remove current auto drain from the air compressor. Set aside.

STEP 2:

Assemble the loose pipe pieces in the following order:

- 1. From the Atlas Copco air compressor, connect the
- 2. 3/8" female reducer to 1/2" male NPT reducer
- 3. 1/2" female to female elbow
- 4. 1/2" close nipple
- 5. 1/2" female to female elbow
- 6. 1/2" NPT drain strainer install the 1/4" NPT port away from the elbow. See Figure 4.

7. MCDV25 auto drain - note the arrow printed on the brass body. Make sure the arrow is pointing away from the strainer. Arrows denote fluid flow direction. See Figure 2 & 3.

- 8. 1/4" NPT to 3/8" push to connect fitting
- 9. Connect existing air hose (drain) to push to connect fitting
- 10. Make sure auto drain is installed in a manner that has a slight slope towards the drain. See Figure 1.
- 11. See following section for setting auto drain timer.



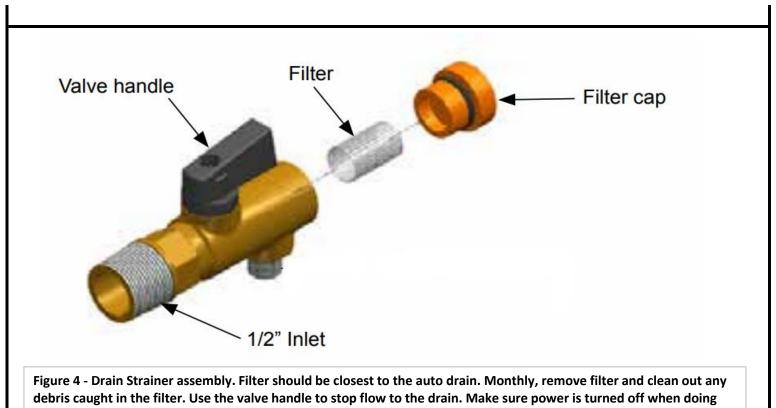
Figure 1 - auto drain assembly. Make sure there is a slope towards the ground on the drain strainer and the auto drain.



Figure 2 - MCDV25 auto drain. Note strainer plug is towards the auto drain.



Figure 3 - note direction of flow on auto drain



monthly PM.

STEP 3:

Setting the timer on the auto drain

1. There are two knobs on the drain. One controls when the drain turns on (right knob) and the second knob controls how long (left knob).

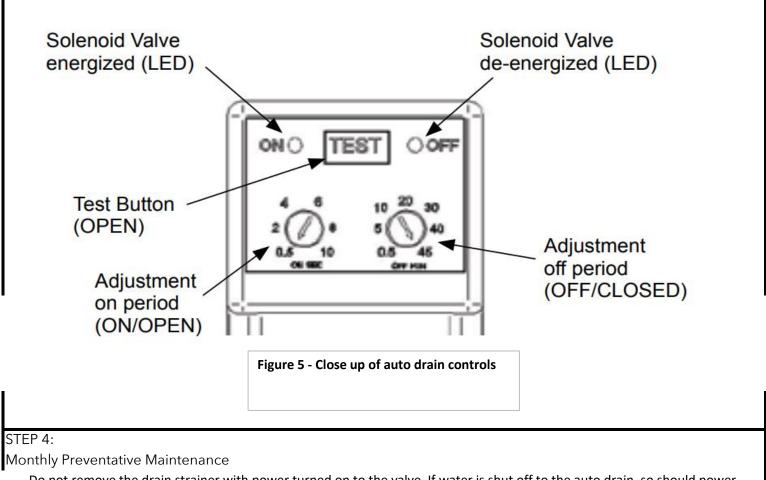
2. Adjust the right knob to 30 minutes

3. Adjust the left knob to 5 seconds.

4. The drain should turn on every 30 minutes for 5 seconds.

5. To test the drain, push the "TEST" button. This will test the drain for how long the left knob is set to.

6. See Figure 5.



Do not remove the drain strainer with power turned on to the valve. If water is shut off to the auto drain, so should power. 1. Monthly, remove the drain strainer and clean any debris stuck in the drain.

2. After reinstalling the drain strainer, test the drain to make sure it is functioning properly.

