



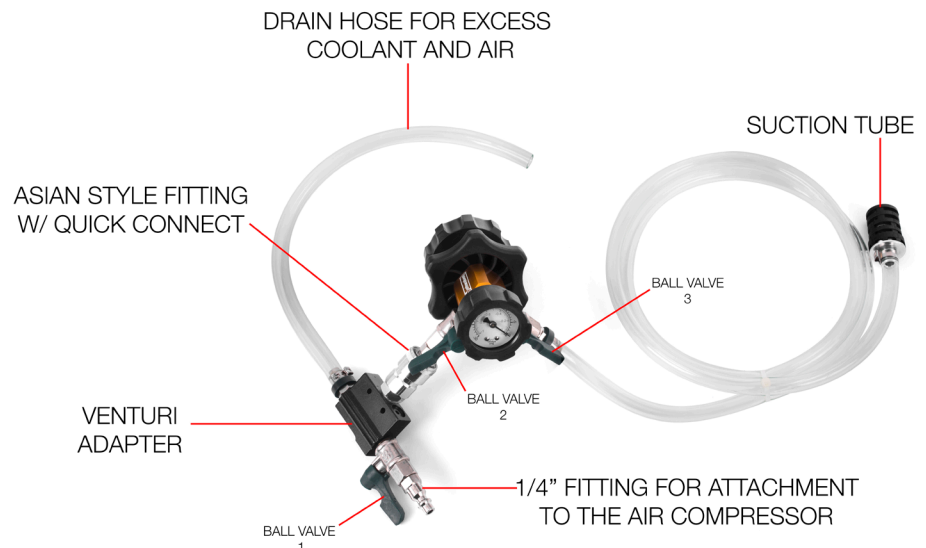
# schwabens

## Cooling System Evacuation Tool

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## Refill your cooling system quickly while avoiding airlock issues

The Schwaben Coolant Evacuation Tool Kit is used universally among all vehicles, utilizing the Venturi method to eliminate air pockets during cooling system refilling. As soon as the system is prepared, you are able to add your coolant by simply opening a valve. Once the pressure gauge reads 0, your system is filled. The tool only requires access to a standard air compressor with a minimum PSI rating of 90 (6.2 bar). A convenient, though not required part to complete the job is a container large enough to hold all of your coolant mixture for the vehicle, dramatically reducing the risk of air being pulled into the system. For best results, your cooling system should be drained first.



## Instructions for use:

1. Before unit assembly apply a small amount of air tool oil inside of the Asian style quick connect adapter on the Venturi valve to lubricate the rubber o-ring inside.
2. Heater control should be set to heat and ignition turned to the "ON" position to insure all air will be evacuated from the heater core.
3. Locate the proper rubber grommet for your application and insert the tool into the radiator service neck or reservoir tank. (The kit contains 31mm, 35mm, 40mm, 42mm, 45mm O.D. grommets. Radiator neck adapter should fit snug into the opening).
4. Seal the radiator adapter by making sure the #2 ball valve is open and turning the knurl knob clockwise until snug.
5. Attach the Venturi Adapter to the Asian style fitting #2 ball valve and attach your compressed air hose to the standard 1/4" industrial type D fitting on the Venturi adapter.
6. Open #1 ball valve on the Venturi adapter followed by opening #2 ball valve and closing #3 ball valve to allow the vacuum to begin. **Note: Air will blow out of drain hose during this operation.**
7. In less than a minute allow the system to reach 25 In/Hg on the gauge. The radiator hoses may start to collapse due to vacuum draw, this is normal.
8. Depending on the application some radiator overflow hoses may need to be clamped off to obtain proper vacuum pressure.
9. When the gauge reaches 25 In/Hg close the #1 ball valve connecting the pressurized air hose and the custom fitting #2 ball valve connecting the Venturi adapter to the Radiator adapter, followed by disconnecting the Venturi adapter from the unit.
10. After sitting for one minute zero loss in pressure shows no system leaks.
11. Place the suction tube (longer filtered hose) into the container of coolant. Open #3 ball valve connecting the longer hose to the unit and coolant will begin to fill the system until the gauge reaches zero.
12. Cooling systems with a pressurized coolant tank, it is advised to stop filling when the proper level is reached.