RAVEqc Valve Bracket

cat.# 27375

The RAVEqc valve bracket is required when mounting a RAVEqc quick-connect air valve with a compression fitting end (e.g., cat.#s 27367, 27369) directly onto an existing Restek air sampling canister (1, 3, 6, and 15 L).

The following instructions will help you with the initial installation of a RAVEqc valve bracket and a RAVEqc quick-connect air valve with a compression fitting end onto your Restek air canister.

Required Tools (not included)

- Two 9/16" open-ended wrenches

Important Considerations for the Installation and Operation of RAVEqc Valve Brackets:

1. RAVEqc valve brackets are only necessary for installing RAVEqc quick-connect air valves with a compression fitting directly onto Restek air sampling canisters in 1, 3, 6, and 15 L configurations.

2. RAVEqc valve brackets are not needed for RAVEqc quick-connect air valves with tube end fittings, other vendors’ canisters, or other canister configurations (e.g., 400 mL miniature canisters).

3. The washer included with the RAVEqc valve bracket is used to ensure that the compression fittings are not overtightened.

3.1. An air canister in good condition will have no problem establishing a leak-free seal between the RAVEqc quick-connect air valve and the air canister using the RAVEqc valve bracket with the spacing washer. If a leak-free seal is not established, check the condition of the tube end and the swaged ferrules on the air canister. Previous overtightening may have resulted in deformation of the tube end and/or the ferrules. That deformation could prevent a proper seal from being established with the spacing washer in place. If this is the case, the damaged air canister should be replaced.

4. The nut and ferrule set that comes with RAVEqc quick-connect air valves with compression fitting ends will not be used when connecting the valve directly to a Restek air canister.

Installation

1. Start with a Restek canister with no valve.

2. Bring the RAVEqc valve bracket into the right, back side of the canister bracket. Then, align the RAVEqc valve bracket holes with the canister bracket holes, while also aligning the canister stem at bottom.

3. Thread the screws that were included with the RAVEqc valve bracket through the canister bracket and into the RAVEqc valve bracket.

Note: do not tighten the screws yet. This allows the RAVEqc valve bracket to slide up and down against the canister bracket, which will be helpful later when the RAVEqc quick-connect air valve is tightened to the canister compression fitting.
4. Place the included washer on top of the RAVEqc valve bracket and canister stem.

5. Insert a compression RAVEqc quick-connect air valve into the washer and through the RAVEqc valve bracket. Then, lift the canister compression fitting up to the threads on the RAVEqc quick-connect air valve.

6. Hand tighten the RAVEqc quick-connect air valve and the canister compression fitting.

7. Use two 9/16" open-ended wrenches to tighten the compression fittings a 1/4 turn beyond hand-tight.

8. Use the hex key to tighten the screws. Note that the ball end of the hex key will be required for the lower, left screw.

Installation is now complete. Be sure to perform an appropriate leak check on your air canister prior to use.