Ramvac

INSTALLATION INSTRUCTIONS

NITROUS OXIDE SEPARATOR (WET VACUUMS)

TOOLS/SUPPLIES NEEDED

- Socket Wrench
- 7/16" Socket
- Flathead Screwdriver
- 2" PVC Pipe & Fittings
- 1½" or 1" Flexible Hose
- Torpedo Level
- PVC Primer & Glue
- Thread Sealant Tape
- Adjustable Wrench (Up to 2")

PARTS INCLUDED

- Nitrous Oxide Separator
- Hex Bolt 1/4-20 × 1½" (4)
- PVC Adaptor 1½" MPT × 1½" Shank
- PVC Adaptor 1" MPT × 1" Shank (2)
- Mounting Bracket
- PVC Reducing Bushing 1½" MPT - 1" FPT
- Small Hose Clamp 13/16" - 1½" (2)
- Large Hose Clamp 1 5/16" - 2¼"

OVERVIEW

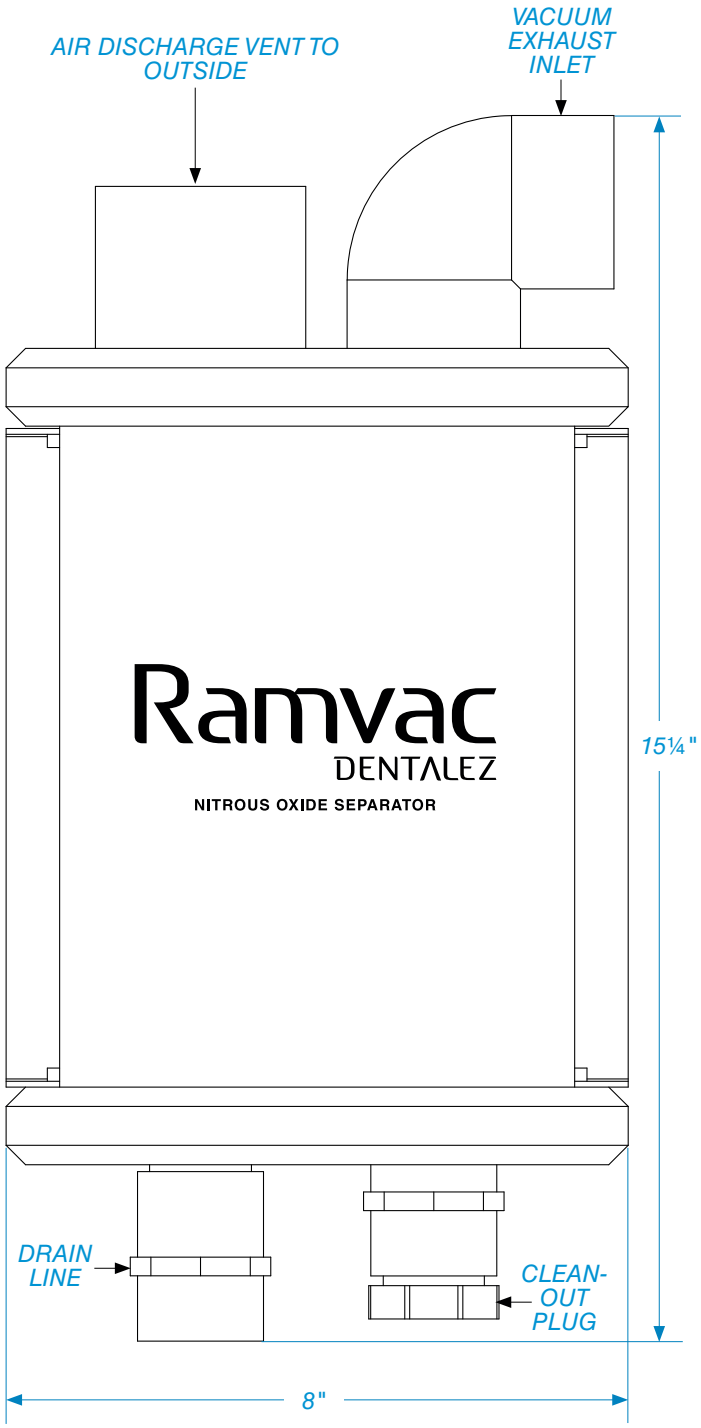
A standard 2-inch no-hub coupling on air discharge vent eliminates need for any adapter and allows direct hookup to a standard vent pipe.

Water trap is inside, making plugging virtually impossible.

Entire separator is made of PVC corrosion-proof plastic.

Separator should be mounted near vacuum pump, with center of vacuum exhaust inlet no more than 2 feet above bottom of vacuum pump.

NOTE: *This product should be installed by a competent technician or plumber. The installation should meet all local health and plumbing codes.This device requires a separate atmospheric vent for maximum safety and effectiveness. Compatible with all single or dual water injected vacuum pumps. Parts provided for unit to be adapted to 1" or 1½" vacuum exhausts.*



INSTALL MOUNTING BRACKET

1. Attach mounting bracket to desired location.

    a. If mounting to a wall stud, use two (2) installer-supplied screws *(FIG 1A)*.

    b. If mounting to a wall with no stud, use three (3) installer-supplied screws/anchors *(FIG 1B)*.

    c. Level mounting bracket using a torpedo level, then tighten screws *(FIG 1A & 1B)*.

NOTE: *Separator should be mounted near vacuum pump, with center of vacuum exhaust inlet no more than 2 feet above bottom of vacuum pump.*

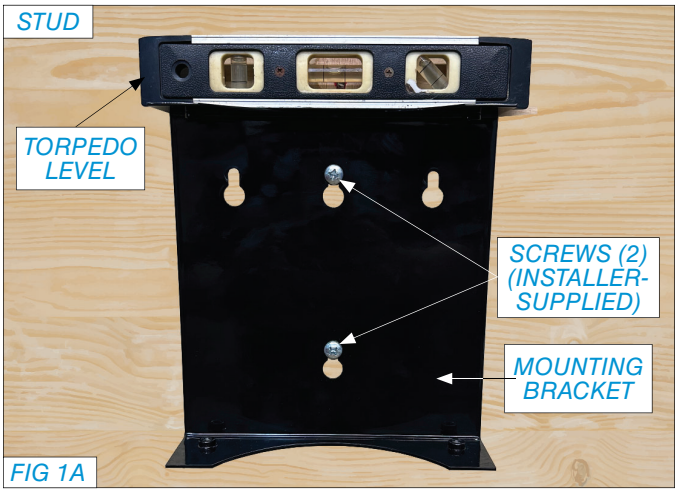


FIG 1A

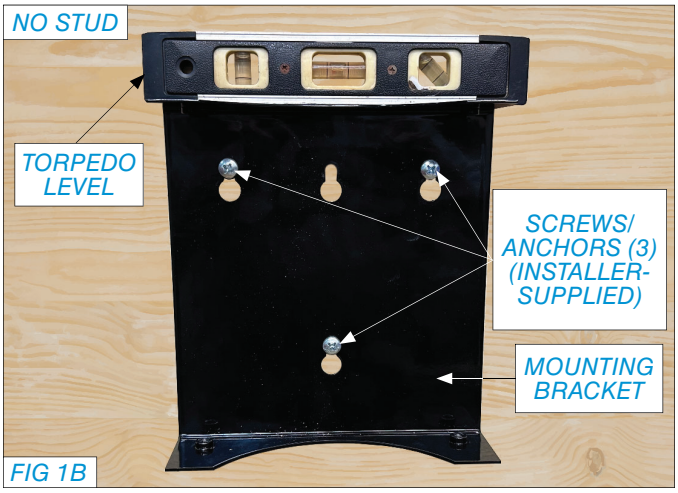


FIG 1B

INSTALL NITROUS OXIDE SEPARATOR

1. Align four (4) through holes on top and bottom of nitrous oxide separator with four (4) PEM® nuts on mounting bracket *(FIG 2)*.

2. Attach nitrous oxide separator to mounting bracket with four (4) hex bolts 1/4-20 × 1½", hand tight. Finish tightening by turning a 1/4 to 1/2 turn using a 7/16" socket and socket wrench *(FIG 3)*.

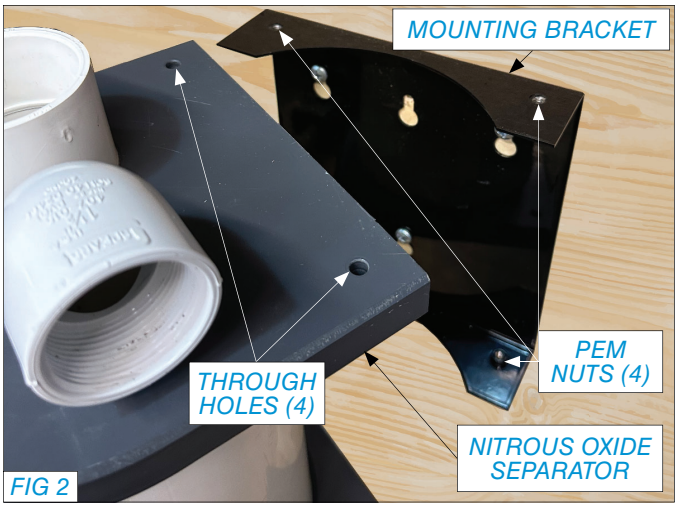


FIG 2



FIG 3

INSTALL PLUMBING

1. Install adaptors *(FIG 4)*.

    a. Apply thread sealant tape to male threads of PVC adaptor 1" MPT × 1" shank. Install into drain line PVC adaptor (bottom left). Hand tighten.

    b. Apply thread sealant tape to male threads of PVC adaptor 1½" MPT × 1½" shank. Install into vacuum exhaust inlet PVC elbow (top right). Hand tighten.

    c. Complete tightening by turning each adaptor 1/4 turn using an adjustable wrench.

NOTE: *PVC reducing bushing 1½" MPT to 1" FPT and extra PVC adaptor 1" MPT × 1" shank provided for vacuum exhaust inlet (top right), if needed, to match vacuum exhaust hose size.*

2. Install hoses *(FIG 5)*.

    a. Place small hose clamp onto installer-supplied 1" hose and twist hose onto PVC adaptor shank (bottom left).

    b. Place large hose clamp on installer-supplied 1½" hose (or small hose clamp on 1" hose) and twist hose onto PVC adaptor shank (top right).

    c. Use a flathead screwdriver to tighten both clamps.

3. Install vent *(FIG 6)*.

    a. Nitrous oxide separator air discharge vent (top left) has a 2" no-hub coupling.

    b. Attach installer-supplied PVC pipe and fittings to vent to outside.

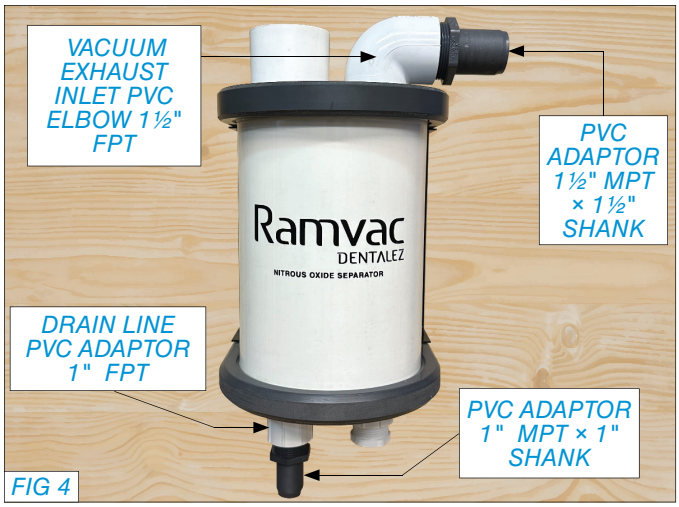


FIG 4

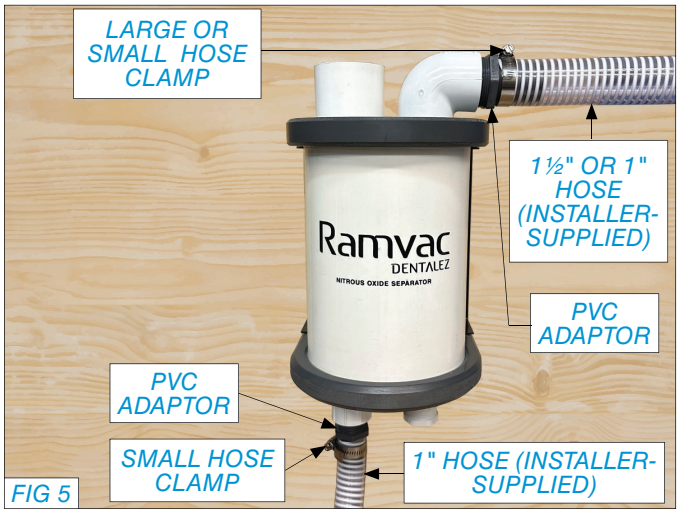


FIG 5

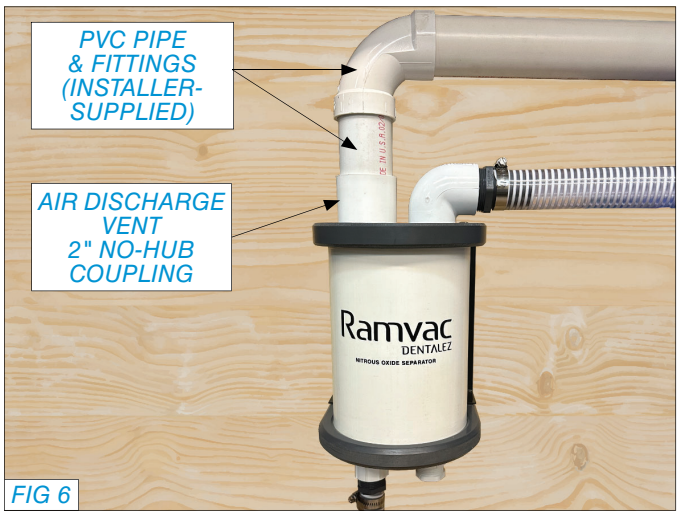


FIG 6