

## Installation

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### General

- The QM46AV must be used where the mounting surface for the model SPM material sensor is subject to extreme vibration.
- It reduces the vibration forces experienced by the material sensor, greatly increasing the durability of the material sensor in this difficult operating condition.
- It mounts to the same bolt pattern as the standard QM44 Quick Mount. It can be installed in an existing QM44 location by simply drilling out the four mounting holes to 21/64".

### Installation Instructions

1. Select the exact location for the material sensor.
2. Attach the included hole location template to the wall of the vessel. The template should be level.
3. Carefully center punch each of the five hole locations.
4. Drill a pilot hole at each of the five marks with a 1/8" drill bit.
5. Drill out the center hole with an 1 1/2" hole saw. Milwaukee p/n 49-56-0082 is recommended. Clean the edges of the hole with a half round file.
6. Drill the four mounting holes with a 21/64" drill bit.
7. The contact surface on the outside of the vessel next to the four rubber isolator studs, should be fairly clean. Clean this surface of heavy dirt, heavy paint and rust with a side grinder if necessary.
8. There is an external tooth washer that should dig into the wall surface and keep the studs from rotating. This washer must be placed next to the stud before attaching the assembly to the vessel wall. Do not place the washer next to the nut. If the stud turns, it might tear the stud base from the rubber.
9. Place the 3/16" thick rubber gasket to the mounting assembly. Note the one smaller 3/4" diameter rubber isolator when orienting the gasket.
10. Install the anti-vibration mounting assembly to the vessel wall. Install the four 5/16" retaining nuts on the inside of the vessel. Carefully tighten the nuts without rotating the studs.

