

Sasquatch[®]

PLUNGER VELOCITY SENSOR



INSTALLATION GUIDE

Tools Required

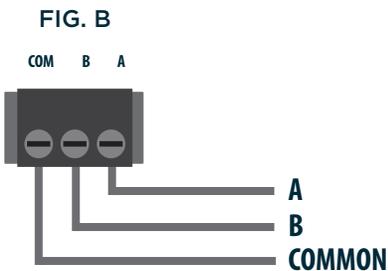
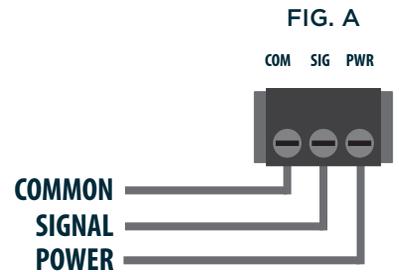
- Phillips screwdriver
- 5/16" (8mm) nut driver
- Wire strippers
- 1/2" NPT connector and appropriate cable

Parts Supplied In Package

- Sasquatch™ plunger velocity sensor
- 2 hose clamps
- Control drawing
- Installation guide
- ETC screwdriver

Installation

- Using Phillips screwdriver, loosen captive screws in enclosure lid; remove lid from base.
- Screw connector clockwise onto 1/2" NPT port on Sasquatch™ enclosure. For use in hazardous location, use rigid metal conduit.
- Slide hose clamp through slots on base of Sasquatch™ enclosure.
- Securely fasten hose clamp to lubricator using 5/16" (8mm) nut driver.
- Measure and strip cable wires.
- Feed wires into sensor enclosure through connector.
- Terminate wires for power and signal to 3-pin connector inside Sasquatch™ enclosure. (FIG. A) Ensure supply wiring meets the temperature and electrical rating of the equipment.



- If connecting Sasquatch™ to MODBUS, terminate wires to second 3-pin connector (COM 1) inside Sasquatch™ enclosure. (FIG. B)
- Tighten cable end of connector clockwise to secure cable.
- Prior to powering Sasquatch™, set sensitivity switch to desired setting using ETC screwdriver.
- Test Sasquatch™ by cycling plunger. Ensure any tools (such as screwdrivers) are out of range; most are ferrous, and may cause Sasquatch™ to false trip.
- Replace enclosure lid, tighten captive screws.

Sensitivity Switch

Sasquatch™ has a built in 7 position sensitivity adjustment dial (FIG. C). This allows false detections to be eliminated by reducing sensitivity. Alternatively, sensitivity can be increased to aid in the detection of plungers that may not fully enter the lubricator on arrival, or ferrous plungers that are generally more difficult to detect. The switch is located within the enclosure. Switch position 0 allows for Sasquatch™ to be used with Vision™ for upgrading, testing, and troubleshooting. During normal operation, a Sasquatch™ sensor left in position 0 will not detect a plunger.

Warning: Do not adjust unless area is known to be non-hazardous.

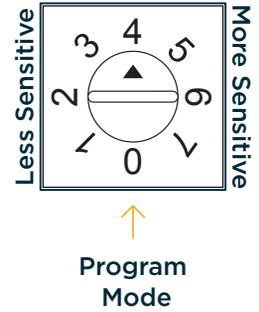


FIG. C - Sensitivity Settings

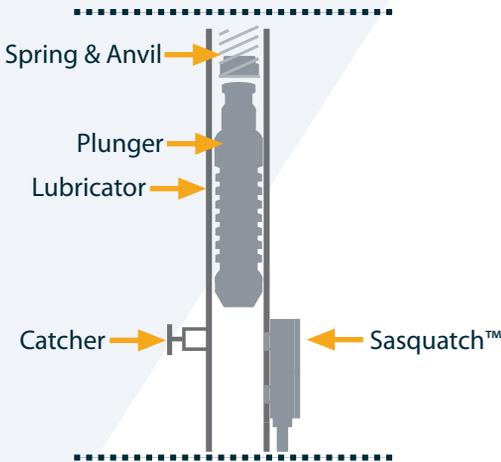


FIG. D - Recommended mounting location

Mounting Location

Sasquatch™ should be mounted on the lubricator as low as possible on the lubricator (FIG. D). Avoid mounting near the catcher or anvil for best results. To ensure accurate results, the plunger must fully travel past the sensor.

Installation shall be in accordance to National/Local intrinsic safety requirements. See manual and control drawing, ET-11000-1031-2001, prior to installation.

Visit etcorp.ca/manuals or scan the QR code to download the full product manual

