

Manual 26744 (Revision NEW, 8/2031) SOGAV™ 105 Insert Installation Procedure Supplement

See Manual 26498 (Top-Load SOGAV 105) for complete installation, operation, maintenance, and certification information.

Installation (Refer to the outline drawing on back)

NOTICE

It is imperative that the interior of all gas manifolding be absolutely clean prior to SOGAV™ valve installation and engine start-up. There must be no dirt, weld slag, metal chips, etc., present. Contamination of this type can prevent the valve from operating properly and can damage the engine if it passes through the valve.

The region around the SOGAV valve installation pad must also be very clean so that no debris gets into the air manifold during SOGAV valve installation. Debris may prevent valve from closing.

Install the appropriate O-ring (specified on the outline drawing).

Mount the SOGAV valve to the cylinder head or air intake manifold runner using either M8 or 5/16" socket head screws. Socket head screws are required for bolt head clearance. Tighten these screws evenly to a torque recommended by the manufacturer. Recommended torque values may be obtained from Woodward upon request.

Initial Operation/Adjustment

There are no field adjustments to be made to the SOGAV valve.

After installation, pressurize the gas manifold system (preferably with air or inert gas) and check for leaks around all valves and all interface flanges, by brushing on an acceptable liquid leak detector.

Refer to the overall control system documentation for start-up/operation procedures. These procedures will vary from application to application.

If background noise is minimal, basic valve operation can be confirmed by an audible ticking sound.

WARNING

The engine, turbine, or other type of prime mover should be equipped with an independent fuel shut-off device to protect against fuel leakage or damage to the prime mover with possible personal injury, loss of life, or property damage. The fuel shut off device must be totally independent of the prime mover control system.

WARNING

The engine, turbine, or other type of prime mover should be equipped with an overspeed shutdown device to protect against runaway or damage to the prime mover with possible personal injury, loss of life, or property damage.

The overspeed shutdown device must be totally independent of the prime mover control system. An overtemperature or overpressure shutdown device may also be needed for safety, as appropriate.



Read this entire manual and all other publications pertaining to the work to be performed before installing, operating, or servicing this equipment. Practice all plant and safety instructions and precautions. Failure to follow instructions can cause personal injury and/or property damage.



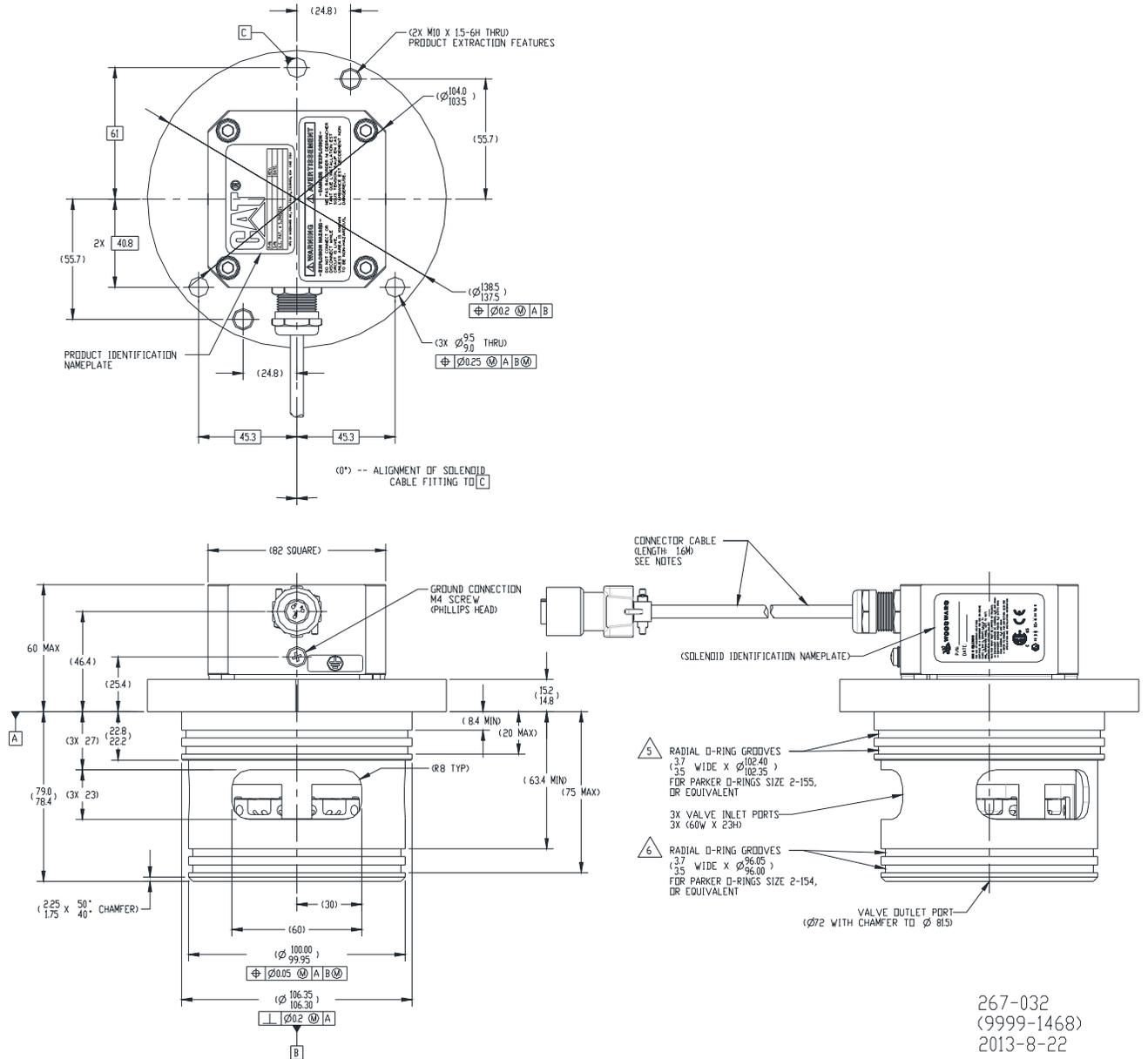
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SOGAV 105 Insert Outline Drawing
 [Pressure balanced version (shown) has 3 inlet ports,
 and the pressure unbalanced version has 1 inlet port.]

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