

# Model 7622/7665 Small Pipe Transducer Assembly



## About Accusonic

Accusonic Technologies, a division of ADS LLC, designs and manufactures ultrasonic transit-time flow measurement systems that are renowned for their precise accuracy and reliability in difficult operating environments. Accusonic flowmeters can be found in hydroelectric plants, thermal power plants, water and wastewater treatment facilities, sewage collection systems, and other types of water flow conveyance pipelines and channels. Since 1967, Accusonic has installed thousands of systems worldwide, and offers a full range of services including installation and startup, system verification, turbine performance testing services, and field training.



Typical installation of the Accusonic Model 7622/7665 Transducer Assembly

The Model 7622 is a PVC transducer designed for use with the Model 7665 Feedthrough Assembly on smaller pipeline applications. The 7622/7665 assembly, which is designed for external installation, may be directly tapped into dewatered pipes without the requirement for a special pool piece.

The Model 7665 contains a ball valve which allows for complete removal of the 7622 Transducer (including the transducer face) for repair, replacement, or cleaning without dewatering the pipeline.

The Model 7622/7665 is ideal for use on smaller iron or steel pipes with pipe walls ranging from 3/8" to 1/2" thick. The assembly is well suited for pipelines with no internal access.



# HARDWARE

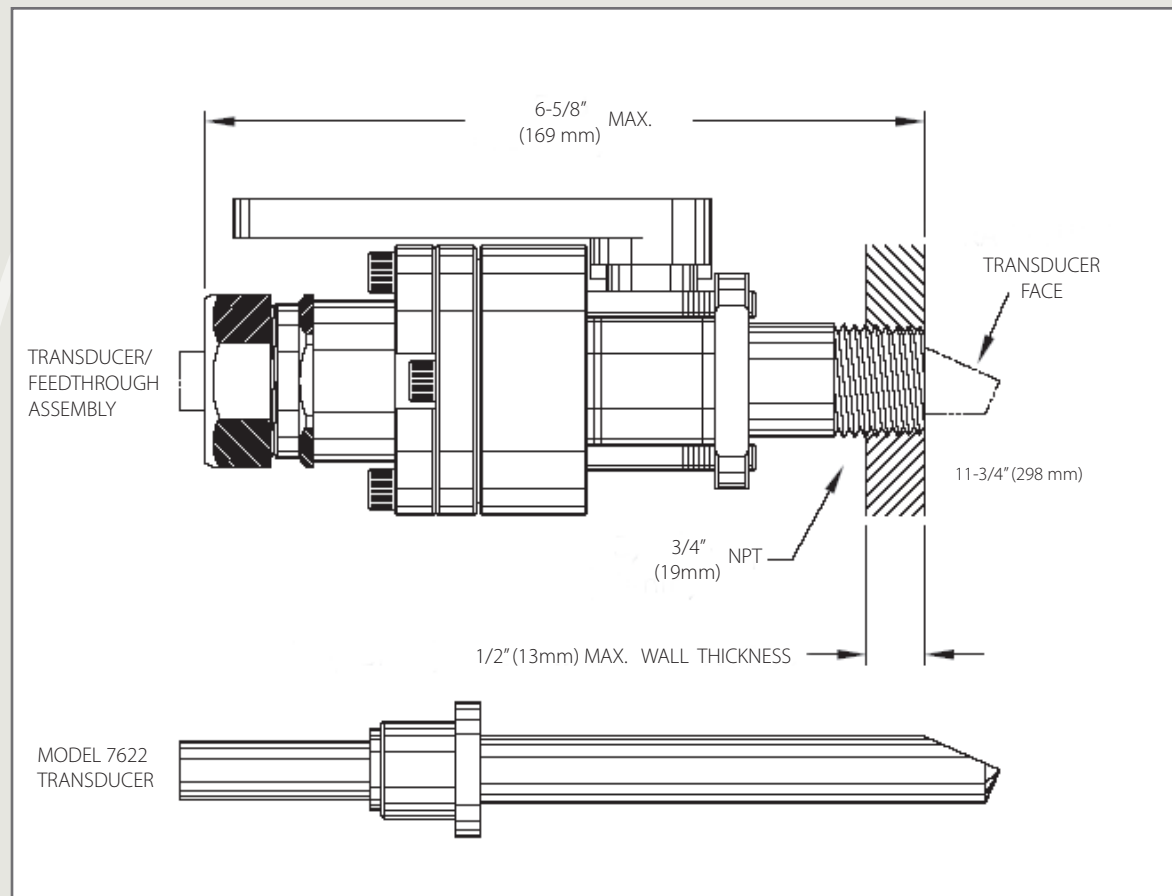
## DESIGN SPECIFICATIONS

<b>Operational Frequency:</b>	1 MHz
<b>Pipe Diameter:</b>	12 in. - 36 in. (300 mm - 1000 mm)
<b>Maximum Service Pressure:</b>	100 psi (7 bar)
<b>Temperature Limits:</b>	32 to 122 F (0 to 50 C) Operating 14 to 122 F (-10 to 50 C) Storage
<b>Construction Material:</b>	PVC

## DIMENSIONAL DATA

<b>Feedthrough Hole Diameter:</b>	0.75 in. (19 mm) (NPT)
<b>Minimum Pipe Wall Thickness:</b>	3/8 in. (9 mm) iron or steel.
<b>Maximum Pipe Wall Thickness:</b>	1/2 in. (13 mm); Modified systems are available for thicker pipe wall applications. Contact Accusonic with pipe dimensions.

Contact Accusonic Technologies for information on transducers recommended for specialized applications.



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