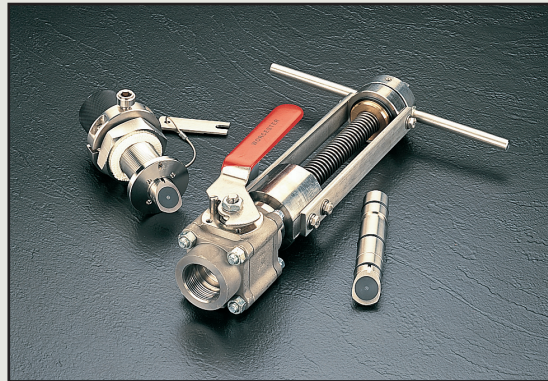


Model 7601/7641 Feedthrough Transducer Assembly

About Accusonic

Accusonic, a brand of ADS LLC, designs and manufactures multiple-path transit-time flow measurement systems, which are renowned for their precise accuracy and reliability in difficult operating environments. Accusonic flowmeters can be found in hydroelectric and thermal power plants, water and wastewater treatment facilities, sewage collection systems, and other types of water 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.

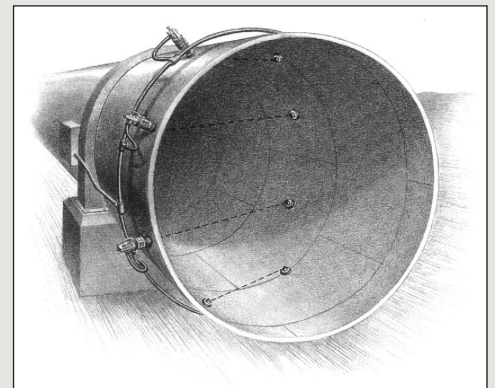


The Model 7601/7641 is a 316 stainless steel transducer and feedthrough assembly designed for low to medium pressure, indoor or outdoor applications. The assembly allows for the removal of the entire transducer for repair, replacement, or cleaning, without dewatering the pipe.

The Model 7601/7641 assembly is installed in a dewatered pipe from the inside out. Installation is performed by accurately determining the transducer locations, drilling holes in the pipe for penetration of the feedthroughs, and then measuring the as-built transducer locations.

The feedthrough assembly is sealed on the pipe wall using an O-ring inner seal and an outer seal of packing material. No welding is required.

A Model 7642 Jacking Mechanism is used for removal or insertion of the 7601 transducer under pressurized conditions.



Typical 4-path installation of Accusonic Model 7601/7641 Transducer Assembly



HARDWARE

DESIGN SPECIFICATIONS

Operating Frequency:	1 MHz
Pipe Diameter Range:	1.5 - 24 ft. (0.5 - 7.5 meters)
Maximum Service Pressure:	450 psi (31 bar)
Temperature Limits:	32 to 122 F (0 to 50 C) Operating 14 to 122 F (-10 to 50 C) Storage
Construction Material:	316 SS Body with PVC Window

DIMENSIONAL DATA

Feedthrough Diameter:	1.50 in. (38 mm)
Maximum Pipe Wall Thickness:	1.75 in. (45 mm)
Clearance Required for Transducer Removal/Replacement:	36 in. (915 mm) radial clearance from outer pipe wall



Contact Accusonic for information on transducers recommended for specialized applications.

