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## Application Note:

### Replacing Transducer Silicone Coupling Pads

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- ✓ **Remove Existing Pads**  
Begin by peeling away the silicone pads from both transducers. Use fingers only, and be sure not to nick the transducer surfaces. Pull slowly.
- ✓ **Clean Surfaces**  
Once the silicone pads have been removed, gently clean the transducer surfaces with soap and warm water. Be sure to remove any remaining adhesive, silicone, or grime. Clean surfaces are critical for creating a good bond with the new pads.
- ✓ **Dry Surfaces**  
After cleaning, dry both transducer surfaces with a clean towel. Allow residual moisture to evaporate by letting the transducers rest for 5 min in a clean dry area.
- ✓ **Remove Backing**  
Remove the backing material from the new silicone pads. Start at one corner, and gently peel the pad away with fingers.
- ✓ **Apply New Pads**  
With backing material removed, carefully apply a silicone pad at one end of the transducer surface. Gently allow the adhesive to contact the transducer and then lay flat across the entire surface. Repeat for the second transducer.  
Gently rub the surface of the new silicone pad to secure the adhesive bond.  
**CAUTION!** Avoid trapping air between the new pad and transducer. Air pockets will prevent ultrasound from transmitting into the pipe and fluid - under these conditions flow measurement is not possible.

