

Transducer Selection Guide – General Guidelines

Liquids

1. Liquid transducers are usually shear type.
2. Model #: F=Fluid, S=Shear, Next letter is transducer size
3. Pipe size range can usually be expanded some

Transducer Type	Pipe Size OD Range	Comments
FSS	1/4" - .5"	Use only with thin wall SS below .5"
FSQ	.5" to 4"	
FSP	1" to 4"	Use on small diameter with challenging pipes, high viscosity, waveinjector
FSM	3" to 24"	With wastewater applications K transducer might be necessary even down to 6". With condenser water and other service water applications there is usually some internal scaling and K's might be needed at around 12-16" and above
FSK	6" to >144"	Use with challenging pipes that are likely to have scaling or sludge build-up
FSG	12" to 255"	Use with challenging pipes that are likely to have scaling or sludge build-up

Gas

1. Gas transducers are usually Lamb type.
2. Model #: G=Gas, L=Lamb, Next letter is transducer size
3. **ALWAYS** match transducer to the pipe wall thickness
4. Wall thickness recommendations are for steel pipe. For other materials consult with Flexim
5. Check the minimum pipe OD for the transducer, if OD is below min criteria consult with Flexim
6. When in doubt, consult with Flexim product manager Izzy Rivera. Selecting gas transducers are more complex where pressure and velocity have to be considered.

Transducer Type	Wall Thickness Range	Min OD
GLQ	.02" - .04"	.25"
GLP	.04" - .09"	.5"
GLM	.08" - .18"	1"

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GLK	.17" - .37"	3"
GLH	.28" - .59"	5"
GLG	.41" - .89"	8"
GLF (pending)	.75 - 1.4"	10"
GSK (shear)	1.0" – 2"	4"
GSG (shear)	1.5" – 3.0"	15"

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