

### FCI Index to Control Valve Noise Standards

Control valves may contribute to the noise in a process environment. Accurate methodology of measuring predicting this noise has been studied for many years. For users and manufacturers, it is beneficial to have a common language and accepted methodology. The following organizations have been writing and updating important control valve noise standards that have become widely adopted in the industry: International Society of Automation (ISA) and the International Electrotechnical Commission (IEC). These organizations have a mutual expectation to "harmonize" their standards to avoid evolving "conflicting" standards. These efforts can sometimes be confusing and this is further complicated due to the relative timing of each organization's obligation to keep their standards up to date with the evolving science and inputs. The chart below has been prepared by the Fluid Controls Institute (FCI) as a resource to help identify the standards related to control valve noise emissions that are available.

Topic of Standard	IEC Information				ISA Information				
	Document Number	Stability Date	Est. Next Rev/Reaff	Current Work Status	Current Document Number	ISA Intent	New Document Expected Number	New Document Est Sched	Current Work Status
Laboratory Aerodynamic Noise Measurement	IEC 60534-8-1:2005, Ed 2.0	2022		None	ISA-75.07-1997 (Not ANSI)	ISA adoption of the IEC document to replace existing standard.	ANSI/ISA-75.07.01 - 2018 (IEC 60534-8-1:2005-09 IDT)	2018 - 2019	In process
Laboratory Hydrodynamic Noise Measurement	IEC 60534-8-2:2011, Ed 2.0	2022		None	None	ISA adoption of the IEC document.	ANSI/ISA-75.07.02 - 2018 (IEC 60534-8-2:2011-10 IDT)	2018 - 2019	In process
Aerodynamic Noise Prediction	IEC 60534-8-3:2010, Ed 3.0	2018	2021 or later	New draft in process	ISA-75.17-1989 (Not ANSI)	ISA adoption of the IEC document to replace existing standard.	ANSI/ISA-75.07.03 - 2018 (IEC 60534-8-3:2010-11 IDT)	2018 - 2019	In process
Hydrodynamic Noise Prediction	IEC 60534-8-4:2015, Ed 3.0	2021	2022 or later	Review to start in 2018	None	ISA adoption of the IEC document.	ANSI/ISA-75.07.04 - 2018 (IEC 60534-8-4:2015-09 IDT)	2018 - 2019	In process

The standards can be purchased through their respective web sites.

[ISA](#)  
[IEC Standards](#)

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