

Dated: 18 August 2023

PFAS (per-and polyfuroalkylsubstances) Statement

Knowles Precision Devices is a leading supplier of electronic components, supporting the European Regulations, and customer requirements of our industry.

REACH directive

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), which established a European Chemicals Agency and amended Directive 1999/45/EC, including legal text published in the Official Journal of the European Union.

REACH Annex XV Restriction report (Proposal for the Restriction on the manufacture, placing on the market and use of PFASs)

The chemical scope of the restriction proposal is defined as: Any substance that contains at least one fully fluorinated methyl (CF₃-) or methylene (-CF₂-) carbon atom (without any H/Cl/Br/I attached to it) with a few noted fully degradable exceptions

PFAS restricted substances


Knowles declares that the product listed below in Table 1 contain PFAS as previously defined by the OECD and now defined in the REACH Annex XV restriction report, and shown again in the above text.

Table 1: Product Lines

	Product line	Application	PFAS	Annex
Knowles (Voltronics and Johanson brands)	Johanson Air Trimmers	Internal Lubrication	PTFE	Not compliant with Annex XV proposal
	Voltronics CB Trimmers	Dielectric, Insulator	PTFE	
		Internal Seal	PVDF-HFP	
	Johanson Cera-Trim Trimmers	Internal Lubrication	PTFE	
	Johanson Thin-Trim Trimmers	Internal Lubrication	PTFE	
	Johanson Dyna-Trim Resonator Tuners - Not all Product(*)	Internal Lubrication	PTFE	
	Johanson Eco-Trim Trimmers	Internal Lubrication	PTFE	
		Seal Cap		
	Johanson Giga-trim Trimmers	Internal Lubrication	PTFE	
		Seal Cap		
	Johanson High Voltage Trimmers	Dielectric, Insulator	PTFE	
		Internal Lubrication		
	Johanson JLC line Non-Magnetic Variable Inductors	Inductor core	PTFE	
	Johanson Non-Magnetic Air Trimmers	Internal Seal	PVDF-HFP	
	Johanson Seal-trim Trimmers	Internal Lubrication	PTFE	
	Johanson Tuning Elements	Internal Lubrication	PTFE	
	Johanson Tuning Bushes	Internal Lubrication	PTFE	
	Johanson Tuning Rotors	Internal Lubrication	PTFE	
	Voltronics A1-Line Trimmers	Dielectric, Insulator	PTFE	
	Voltronics A1-Line Trimmers - Sealed(*)	Internal Seal	PVDF-HFP	
	Voltronics A4-Line Trimmers	Dielectric, Insulator	PTFE	
	Voltronics A-Line Trimmers	Dielectric, Insulator	PTFE	
		Internal Seal		
	Voltronics DRO Tuners	Internal Seal	PVDF-HFP	
	Voltronics Glass & Quartz Trimmers	Internal Seal	PVDF-HFP	
	Voltronics K-Line Trimmers	Dielectric, Insulator	PTFE	
		Internal Seal		
	Voltronics NMNT Line Trimmers	Dielectric, Structural housing	PTFE	
		Internal Lubrication		
		Internal Seal		
	Voltronics NMNT Line Trimmers - Not all product(*)	Dielectric, Insulator	Proprietary	
	Voltronics S-Line Trimmers	Internal Seal	PVDF-HFP	
End Stops				
Voltronics V Line Trimmers - Not all Products(*)	Dielectric, Insulator	Proprietary		
	Internal Lubrication			
	Structural housing			
	Internal Seal			
Voltronics Very High Voltage Trimmers	Dielectric, Insulator	PTFE		
	Internal Lubrication			
	Internal Seal			
All other Voltronics and Johanson products	Any	None	Compliant with Annex XV proposal	

(*) Please contact Knowles Precision Devices Sales for details.

The statement is prepared to the best of our knowledge, omissions and errors excepted.



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