

Uses identification			Analysis				
Application area/main use	PFAS used(chemical, commercial or technical name)	Tonnage of PFAS used per year	Justification for PFAS use (performance, requirement, special properties)	Alternatives	Feasibility of potential alternatives(technical, economic, regulatory impact)	Waste phase(as percentages) is treated through incineration, landfilling and recycling	Emissions(manufacture phase, the use phase and the end-of-life phase)
filter media	PTFE	Approximate quantity of PTFE membrane in our filter media 450 kg (year 2022).	Coating filter material, cleanliness, high filtration performance (fine filtration), food and pharmaceutical application, FDA and EU 1935 conform	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Depending on the total application (filtrate). Household waste or hazardous waste (thermal recycling). 100% thermal utilization	During further processing, emissions may occur in the house due to the cutting process of the filter material (exhaust available--> disposal of particles in residual waste). At the end customer possibly due to wear (abrasion).
filter media	PFHxS	Approximate quantity of PFHxS in our filter medias 6,5 kg (year 2022).	For Coalescer media. Oleophobic and Hydrophobing. Currently <0.1% (w/w) (REACH)	Alternatives available from supplier but not yet validated by us.	The validation of the alternative is associated with high costs and technical effort by us.	Depending on the total application (filtrate). Household waste or hazardous waste (thermal recycling). 100% thermal utilization	During further processing, emissions may occur in the house due to the cutting process of the filter material (exhaust available--> disposal of particles in residual waste). At the end customer possibly due to wear (abrasion).
gasket	PTFE	Approximate quantity of gaskets used in 2022. 1600 piece (different gasket size).	high temperature, chemical resistance, mechanical properties of sliding	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Depending on the total application (filtrate). Household waste or hazardous waste (thermal recycling). 100% thermal utilization	No emissions are expected during further processing in our company. At the end customer possibly due to wear (abrasion)..
Plain bearing bushes, thrust washers, guide bands, support ring, strips, wiper...	PTFE	Approximate quantity of gaskets used in 2022. 94.400 piece (different size of the components).	mechanical properties of sliding, high Temperature and chemical resistance, individual machining possible	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Household waste or hazardous waste (thermal recycling). 100% thermal utilization	No emissions are expected during further processing in our company. At the end customer possibly due to wear (abrasion).
gasket	FKM, FFKM, FPM	Approximate quantity of gaskets used in 2022. FKM 560.000 piece, FFKM 130 piece, FPM 270 piece (different gasket size).	high temperature, chemical resistance	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Depending on the total application (filtrate). Household waste or hazardous waste (thermal recycling). 100% thermal utilization	No emissions are expected during further processing in our company. At the end customer possibly due to wear (abrasion).
gasket	FEP	Approximate quantity of gaskets used in 2022. 500 piece (different gasket size).	high temperature, chemical resistance	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Depending on the total application (filtrate). Household waste or hazardous waste (thermal recycling). 100% thermal utilization	No emissions are expected during further processing in our company. At the end customer possibly due to wear (abrasion).
gasket	PFA	Approximate quantity of gaskets used in 2022. 10 piece (different gasket size).	high temperature, chemical resistance	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Depending on the total application (filtrate). Household waste or hazardous waste (thermal recycling). 100% thermal utilization	No emissions are expected during further processing in our company. At the end customer possibly due to wear (abrasion).
Bushings, ball, sleeves, reducers, pipe, hose, elbow...	PVDF	Approximate quantity used in 2022. 1000 piece (different size of the components).	chemical resistance, Price-performance ratio	At the moment, no supplier can provide an alternative with corresponding performance data.	Evaluation currently not possible. Development of alternative is up to the supplier. The validation of the alternative is associated with high costs by us.	Household waste or hazardous waste (thermal recycling). 100% thermal utilization	No emissions are expected during further processing in our company. At the end customer possibly due to wear (abrasion).