

ASP | AntiStatPleat Elements

Eliminate Static Discharge

Introduction

The AntiStat Pleat (ASP) element was developed to greatly reduce or eliminate electrostatic discharging problems that can occur during filtration of hydraulic and lube fluids. By combining proven Excellement® media and ASP technology, it is now possible to offer both high filtration efficiency and electrical conductivity.

Several key areas can contribute to Electrostatic Discharge:

- Filter Media – media layer construction can influence high voltage charge
- Hydraulic Fluids – group II and III have low conductivity
- Temperature – higher voltage charge will generally exist with lower temperature
- Viscosity – high viscosity rates typically result in high voltage charge
- High oil contamination – increases resistance to flow and higher voltage charges



Photo 1
Effect of Electrostatic discharge within hydraulic fluid system, resulting from rapid oil aging rate in formation of sludge.



Photo 2
Holes in glass media and discoloration caused by electrostatic discharge.



Elements available with ASP media.

Advantages of Reducing Electrostatic Discharge

- Eliminate damage to element
- Greatly reduce oil deterioration
- Decrease evidence of sludge and formation of oil sediment
- Extend system component life (i.e., electronic components, servo valves and reservoirs)

Technical Data

Collapse Rating: 150 psid (10 bar)

Media: AS - 3, 5, and 10µ, low static discharge

Operating Temperature: -20°F to 225°F (-29°C to 107°C)

Flow Direction: Outside - In

Fluid Compatibility: Hydraulic and Lubrication Fluids

Schroeder
INDUSTRIES

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Ordering Code Information

K	C	N	SBF-6000	SBF-8300	39QPML
KAS3	CAS3	NAS3	AS-6000-183V	AS-8300-163V	39QPMLAS3V
KAS5	CAS5	NAS5	AS-6000-185V	AS-8300-165V	39QPMLAS5V
KAS10	CAS10	NAS10	AS-6000-1810V	AS-8300-1610V	39QPMLAS10V
KKAS3	CCAS3	NNAS3	AS-6000-363V	AS-8300-393V	
KKAS5	CCAS5	NNAS5	AS-6000-365V	AS-8300-395V	
KKAS10	CCAS10	NNAS10	AS-6000-3610V	AS-8300-3910V	
27KAS3					
27KAS5					
27KAS10					

**Ask about product availability for these popular sizes, as well as others.*

***Lead time will vary, depending on ASP element series.*

- Power generation lubrication systems
- Power plants
- Pulp & paper plants
- Injection molding machines