



DESCRIPTION:	Mechanical – ST018 Cloth Media Filter – Inspection and Service	FREQUENCY:	
LOCATION:		STANDARD JOB No.:	

SCOPE
Complete inspection and service of Cloth Filter.
REQUIREMENTS
Before isolating, listen for unusual noise, vibration, leaks.
*Equivalents can be used but must be documented for future use. This is to avoid the use of multiple lubricants in application.
***NOTE: Vacuum tanker is required to empty tank during the Intermediate Service, Major Service and Major Service with Oil Change
MINOR SERVICE
Inspect hoses and pipe connections for leaks.
Check function of level sensor by verifying reading on operator interface with the actual tank level.
Invert float to verify that high level alarm triggers and starts a backwash cycle. Confirm backwash system is
operating properly. Reset alarm.
Visually check for slack and alignment of chain drives.
Visually check gears (sprockets) for signs of wear.
INTERMEDIATE SERVICE
Inspect hoses and pipe connections for leaks.
Check function of level sensor by verifying reading on operator interface with the actual tank level.
Invert float to verify that high level alarm triggers and starts a backwash cycle. Confirm backwash system is operating properly. Reset alarm.
Clean out any sludge build-up in the tank and clean each of the cloths **See procedure for draining tank and cleaning the cloths on the final page** NOTE: vacuum tanker is required to empty tank
Visually check each cloth for signs of wear & tear.
Visually check for slack and alignment of chain drives.
Visually check gears (sprockets) for signs of wear & tear.
Check oil level – gearbox. Visually check condition of oil.
Clean gearbox vent.

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Note:



FREQUENCY:



DESCRIPTION:

	LO	CATION:	Service	STANDARD JOB No.:	
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			<u> </u>		
_		MAJOR SERVIC			
			nd pipe connections for leaks.		
		Check function of	of level sensor by verifying reading on operator interface	with the actual tank leve	
		nvert float to veri operating properl	rify that high level alarm triggers and starts a backwash	cycle. Confirm backwash	system is
			udge build-up in the tank and clean each of the cloths *	*See procedure for draini	ng the tanks and
			hs on the final page** NOTE: vacuum tanker is required		
		Visually check co	ondition of each cloth for wear & tear.		
		Drain the basin a	and rotate the centertube:		
		 Check fo 	or any signs of wear or any other damage.		
		Observe	the contact between each backwash shoe nozzle and	the media face.	
		o Check co	ondition of internal backwash hoses, solids manifold an	d solids manifold hose.	
		Check condition	of centertube support bearing and support rollers for we	ear & tear.	
		nspect condition	n of effluent seal and check seal contact against the effluent	uent seal plate.	
		Check for slack a	and alignment of chain drives.		
		Check gears (spr	rockets) for wear & tear.		
		Check oil level –	gearbox. Visually check oil for signs of contaminants.		
		Clean gearbox ve	ent.		
		Check tightness	of all bolts and connections.		
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 $Mechanical-ST018\ Cloth\ Media\ Filter-Inspection\ and$

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Note:





DESCRIPTION:	Mechanical – ST018 Cloth Media Filter – Inspection and Service FREQUENCY:			
LOCATION:	Betwice	STANDARD JOB No.:		
MAJOR SERVI	CE WITH OIL CHANGE			
Inspect hoses a	nd pipe connections for leaks.			
	of level sensor by verifying reading on operator interfa			
operating proper	rify that high level alarm triggers and starts a backwa rly. Reset alarm.	·	·	
Clean out any sl	ludge build-up in the tank and clean each of the cloth ths on the final page** NOTE: vacuum tanker is requi	s **See procedure for drainii ired to empty tank	ng the tank and	
	ondition of each cloth for wear & tear.			
	and rotate the centertube:			
	or any signs of wear or any other damage.			
	e the contact between each backwash shoe nozzle a			
	condition of internal backwash hoses, solids manifold			
	of centertube support bearing and support rollers for	wear & tear.		
	Check for slack and alignment of chain drives.			
	prockets) for wear & tear. parbox. Visually check condition of old oil for signs of the control	contaminants. Use manufact	turer	
Clean gearbox v	•			
	of all bolts and connections.			
Oricek lightness	of all polts and connections.			

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Note:





DESCRIPTION:	Mechanical – ST018 Cloth Media Filter – Inspection and Service	FREQUENCY:	
LOCATION:		STANDARD JOB No.:	

PROCEDURE FOR DRAINING TANK AND CLEANING CLOTHS Partially open the bypass valve (30-35 turns) Close the effluent inlet valve to the cloth filter Close the outlet valve of the cloth filter Isolate the Grundfos ATF pumps and close the pump suction valve Close the backwash valves and sludge valves Isolate the hypochlorite dosing pumps Drain the water in the tank from the drain valve located at the bottom of the tank (effluent inlet side) – connect into a vacuum truck Using service water pressure, wash the cloth filter until the colour gets as close to the original colour – DO NOT use high pressure water as this can tear the cloth. Pressure wash the dirt from the wall of the tank, chain and mechanism of the filter in the tank Remove remaining sludge from the tank Close the drain valve and fill the tank back up. Energise the hypochlorite dosing pumps Open backwash and sludge valves Energise Grundfos ATF pumps and open the pump suction valve Open the outlet valve of cloth filter Open the inlet valve into the cloth filter Close the bypass valve

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