ATAS Evolution Workstation, Method 'Expert'



Column Flow/Injector Press	ure	
Carrier Control Mode	Flow	
Zero LINEX Head Pressure	No	When set to 'No' the inlet pressure will work in a normal way. When set to 'Yes', the method will begin to set all flows and the pressure as required from the method settings. At the moment that the set points are reached the pressure will go to zero and the
Column Flow Time 1 (sec)	600	OPTIC will give the 'Ready Out' signal. The PAL can change the liner and after changing the liner the PAL gives a 'Start'
Column Flow Time 2 (sec)	0	signal to the OPTIC. The OPTIC will set the flows and pressure before it starts the temperature steps. (same as in LINEX
Column Flow Time 3 (sec)	0	methods.)
Column Flow Time 4 (sec)	0	The column flow time for stan 1
Column Flow Time 5 (sec)	0	
Column Flow Time 6 (sec)	0	To add a Flow/Pressure step: point with the computer mouse in the graphic display on the Flow/Pressure profile where you like
Column Flow Time 7 (sec)	0	to add a step and right click with the mouse and select Add Step.
Column Flow Time 8 (sec)	0	Column flow at the moment of injection and during the yent time
Column Flow Time 9 (sec)	0	Column now at the moment of injection and during the vent time.
Initial Column Flow (ml/min)	1,0	Starting column flow of step 1. This should be set to an appropriate flow for the installed column.
Start Column Flow 1 (ml/min)	1,0	Column flow at the end of step 1.
End Column Flow 1 (ml/min)	1,0	
Start Column Flow 2 (ml/min)	0,0	Starting column flow of step 2.
End Column Flow 2 (ml/min)	0,0	
Start Column Flow 3 (ml/min)	0,0	
End Column Flow 9 (ml/min)	0.0	
Sample Sweep Injector Pressure	(kF 50,0	
Start Injector Pressure 1 (kPa)	50,0	
End Injector Pressure 1 (kPa)	50,0	
Start Injector Pressure 2 (kPa)	50,0	Same as in the Flow mode.
End Injector Pressure 2 (kPa)	50,0	
Start Injector Pressure 3 (kPa)	50,0	
Englinieston measure 3 (kPa)	50,0	
End Injector Pressure 7 [kPa]		
Start Injector Pressure 8 (kPa)	50,0	
End Injector Pressure 8 (kPa)	50,0	
Start Injector Pressure 9 (kPa)	50.0	

😑 Split Flow

Direct Split Valve Control	No 🔶	Normally set to 'No'. When set to 'Yes' the Split/Splitless valve is in the 'open' state. This can be used for special backflush
Initial Split Flow (ml/min)	50 🔹	setups.
Split Flow 1 (ml/min)	50	
Split Flow Time 1 (sec)	600 💌	The split flow at the beginning of the method.
Split Flow 2 (ml/min)	0	Split flow at the moment that the inlet starts to heat (before delay time).
Split Flow Time 2 (sec)	0	
opin plan o Gol/min)	0	End time of split flow 1.
Split Flow Time 7 (sec)	1	
Split Flow 8 (ml/min)	U	To add a split flow step: point with the computer mouse in the graphic display on the split flow profile where you like to add a star and split flow in the split flow profile where you like to add a
Split Flow Time 8 (sec)	0	step and right click with the mouse and select Add Step.
Split Flow 9 (ml/min)	0	
Split Flow Time 9 (sec)	0	

Cryotrap section is only visible when it is selected in the Configuration/System Configuration

Ξ	Cryotrap Cryotrap Low Temperature (*C)	30	•	Beginning temperature of the Cryotrap in the method. When LN2 is used -110°C will be fine for many compounds. With CO2 as a coolant the lowest temperature is -70°C.
	Low Temperature Hold Time (sec) Cryotrap High Temperature (*C)	0 35	←	Time that the trap is cold after the start in signal. This time should be longer than the delay time + time to ramp the inlet till the maximum set point.
	Cryotrap Heat Ramp Rate (*C/sec) 15.0	*	Upper temperature of the trap. This should not be higher as the maximum temperature of the column.
				Ramp rate of the Cryotrap from low to high. Normally set to 60°C/sec.
	Auxiliary section is only vis selected in the Configuratio Configuration	sible when it is n/System		
Ξ	Auxiliary Flow/Pressure			Start flow of the auxiliary flow module. Usually used for Inlet Backflush.
	Start Aux Flow 1 (ml/min)	10		Time that step 1 is active
	Aux Gas Control Time 1 (sec)	600	•	- The that step 1 is active.
	End Aux Flow 1 (ml/min)	10	•	End of step 1 flow.
	Start Aux Flow 2 (ml/min)	0		
	Aux Gas Control Time 2 (sec)	0)	
-	End Aux Flow 2 (ml/min)	0		
	2 (ml/min)	0		To add a flow step: point with the computer mouse in the graphic display on the aux flow profile where you like to add a step
	Aux Gas Control - Inc.	0		and 'right click' with the mouse and select 'Add Step'.
	End Aux Flow 7 (ml/min)	U Contraction of the second se		
	Start Aux Flow 8 (ml/min)	0		
	Aux Gas Control Time 8 (sec)	0	(
	End Aux Flow 8 (ml/min)	0		
	Start Aux Flow 9 (ml/min)	0		
	Aux Gas Control Time 9 (sec)	0		
	End Aux Flow 9 (ml/min)	0)	