What to do if your circulation pump will not prime on a DICEblade AKA "The Langford Method"

- 1. Make sure the Weir Vacuum Setpoint is normal (between -3 and -6 kPa, depending on your system) by checking the Settings page of the DICEblade Web Interface.
- 2. Disable the Circulation, Reservoir, and Weir Vacuum Pumps from the home page of the Web Interface. Note that ink will start dripping if ink is already in the Weir, so keep the Blade Capped and the Drip Tray Drain Pumps running.

	Black_4	<u>Settings</u>		
Ink Supply Outputs Inputs		Head Tending		
Enable Healer Enable Healer Enable Girculation Pump Enable Res Vac Enable Res Vac Int PID Purge	Name Itak Tesp Overfilde Buikdli Empty Buikdli Over Prezeare Drive Electronics On Pump Hours	Outputs Status Name Uncover Heads Unates Head Unates Head Unates Head Unates Head Unates Head	Inputs Status Hoads Covered Hoads Utcovered Tray Latch Front Tray Latch Back Tray Full	
Fit Down Ensible Autors Reset Duk Blog Res Level		Tending Tr Outputs Status Name & Connersional Connersional	rolley Inputs tatus Name Troley Horsed Troley at Horse Troley at Horse	
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Click Here to get to screen to set pressure

3. Vent the Weir chamber to the atmosphere by disconnecting a vacuum hose at one of the two vacuum connection ports on the Weir Block, circled below.





Disconnect one of these two hose fittings from the ink supply and leave it open to the air 4. Set the Reservoir Vacuum Pump to +10kPa (Not -10 BUT PLUS 10) and Enable it.

Black_4 Settings Home							
Blac Name Blac	de Name	Update					
Setpoints							
Weir Level [%]							
R	es Level [%]	_	Setpoint To PLUS 10				
Setpoint -11	1750	Update					
High -11	1.650	Update					
Low -IT	1.850	Update					
Res Vac Drain [kPa]	100	Update	4				
Weir Vac [kPa]							
Ink Supply Temp [°C]							
Aux							
	Bulk Fill						
	Purge						

- Enable the Circulation Pump from the Home screen, and watch for the Weir Level to begin filling with ink. If/when it does and hits about 20% full, immediately perform steps 6 and 7. If it does not, try tapping sharply on the side of the Weir Block to help shake a stuck float loose.
- Set the Reservoir Vacuum back to its normal setting (-10 to -15kPa, depending on your system)
- 7. Reconnect the Weir Vacuum hose that was disconnected in Step 2 and Enable the Weir Vacuum Pump.
- 8. Watch to make sure the system circulates correctly, you will most likely need to purge the heads a few times to get the air out of the heads (also called "priming the heads") so the Reservoir Vacuum will hold at its desired negative pressure.