

Troubleshooting guide

Impella® RP Flex™ with SmartAssist®

Alarm type	Alarm color	Action needed	Audible notification	
Advisory	White	Notification	1 beep every 5 minutes	
Serious	Yellow	Abnormal situation: prompt action needed	3 beeps every 15 seconds	
Critical	Red	High priority: immediate action needed	10 beeps every 6.7 seconds	
	 Purge pressure High	 Purge pressure Low	 Suction	 Placement signal Not reliable
Identified by	- Purge pressure is >1100 mmHg - Purge flow <2 mL/hr	- Purge Pressure is below 300mmHg - Purge flow is > 30 mL/hr	Lower than expected flows	Placement signal and flows are not displayed
Action	- Check purge tubing for kinks - Decrease dextrose concentration - Monitor motor current	- Check purge tubing for leaks - Increase dextrose concentration - Replace Purge cassette	- Check filling and volume status - Check Impella position - Reduce P-level	- Monitor hemodynamics - Confirm Impella position with chest X-ray
Recommended ACT: 160 sec – 180 sec		Recommended Purge Solution: D5W with sodium bicarbonate 25 mEq/1L or D5W with heparin 25U/mL*		Purge Flow: 2 mL/hr – 30 mL/hr
				Purge Pressure: 300 mmHg – 1100 mmHg