

Technical Support Bulletin 2023-01	IFCB Adjustment to Sheath Pump Drive Magnet Placement	January 20, 2023
---	--	-------------------------

Alert Level: IMPORTANT

Instruments: IFCB

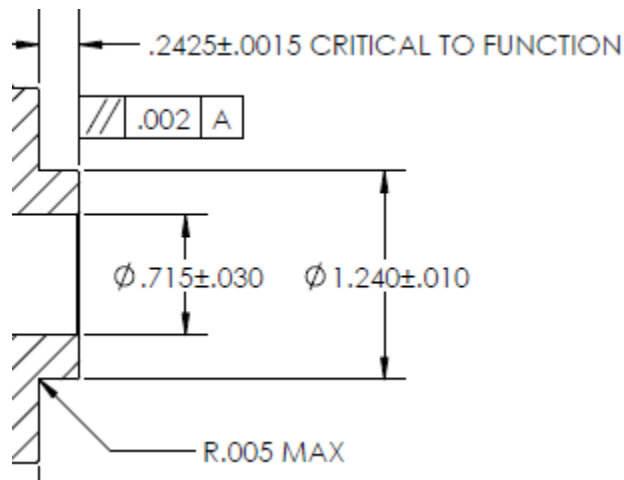
Software Versions: N/A

Hardware Version: All in-service IFCB’s prior to IFCB 187

Subject: Adjustment to Sheath Pump Drive Magnet Placement

Summary: Recent discussions between McLane and the sheath pump vendor have revealed that a critical dimension is not being met when assembling the sheath pump / drive motor assemblies. With the assembly being out of specification, operation of the pump may deteriorate, eventually leading to damaged internal components needing replacement. To remedy this issue, each pump / motor assembly must be sent to McLane for disassembly, replacement of parts & reassembly/test. IFCB users should plan accordingly and during the next available maintenance period send each pump to McLane for repair. This applies to all IFCB’s prior to IFCB 187.

Technical Details: The height at which the sheath pump drive magnet is set relative to the base of the magnet cup is critical to stable / long-term operation of the pump heads. If this height is set out of specification, internal components of the pump head can interfere and ultimately become damaged. The damage that can occur will eventually be detrimental to pump operations and may cause complete failure of the pump to move fluid. The dimension measured from the bottom of the magnet cup to the bottom of the magnet is required to be 0.2425” +/- 0.0015”. To allow for this clearance height, McLane needed to redesign the motor mount plate to allow for recessed screw heads. McLane has also manufactured a fixture to allow for consistent placement of the drive magnet onto the motor drive shaft.





Current IFCB users with an IFCB prior to IFCB 187 should make this repair a priority at your next convenience.
To coordinate this repair, please contact:

Tom Fougere
IFCB Engineering Team Manager
tfougere@mclanelabs.com