



## Fresenius Medical Care North America Service Bulletin

Equipment: All Hemodialysis Machines  
Bulletin: 13-FRS-002 Rev A  
Subject: Inlet Pressure Regulator Internal Leakage Test

### 1.0 PURPOSE

To inform all Field Service and Technical Support personnel of an additional internal leakage test to be performed annually on the inlet pressure regulator installed on all 2008 hemodialysis machines.

### 2.0 PROCEDURE

#### Inlet Pressure Regulator Internal Leakage Test

1. With the machine turned off, shut off the water supply to the machine.
2. Insert a pressure gauge in the water line at the outlet of water inlet pressure regulator #61.
3. Turn the water supply to the machine On.
4. Turn the machine On.
5. With the dialysate lines in the shunt, select Dialysis mode and start the dialysate flow. The pressure gauge will cycle between two readings as water inlet valve opens and closes.
6. Allow the water inlet valve to open and close for approximately 30 seconds to clear any air.
7. Once the air is gone, turn the dialysis flow off.
8. With the dialysis flow off, the pressure gauge will stop cycling and will show only single pressure.
9. Note this single pressure reading on the pressure gauge.
10. Let the system remain idle for 15 minutes.
11. After 15 minutes, check for any pressure increase on the pressure gauge.
12. If the pressure at the pressure gauge increases, the Inlet pressure regulator is leaking internally and needs to be rebuilt or replaced.

	Part Number
Complete Inlet Pressure Regulator:	565048
Rebuild Kit for the Inlet Pressure Regulator:	190934

13. If the pressure regulator passes the internal leakage test, turn the machine Off, turn off the water supply, remove the gauge and reconnect the tubing using clamps to prevent leaks.
14. Turn the water supply On, turn the machine On and select Dialysis mode. Start dialysate flow and inspect all hoses and connections for leaks.

If there are any questions regarding this bulletin, contact Fresenius Medical Care Technical Support at 800-227-2572

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