



MANITOBA RENAL PROGRAM

SUBJECT Manually Opening Arterial Pressure Measurement Unit on the Fresenius 5008	SECTION 30.10 Hemodialysis: Equipment Procedures
	CODE 30.10.21
AUTHORIZATION <ul style="list-style-type: none"> ▪ Professional Advisory Committee, Manitoba Renal Program ▪ Nursing Practice Council, St. Boniface Hospital 	EFFECTIVE DATE April 20, 2018
	REVISION DATE

PURPOSE:

1. To describe the procedure for relieving pressure in arterial pressure measurement unit.

POLICY

1. Hemodialysis Nurses who have received instruction from the Renal Educator or delegate may perform this procedure.
2. **EXCEPTION:** If the Fresenius 5008 is not in use for patient treatment (i.e. the bloodlines are not connected the patient's vascular access), Unit Assistants, Nursing Assistants and Health Care Aides who have demonstrated competency to the Renal Educator may perform this procedure.

EQUIPMENT:

- 60 mL luer lock syringe
- Smaller syringes may be used; however more syringe strokes may be required to open the unit.

PROCEDURE:

1. Relieve the pressure in the blood lines if required.
2. Locate the check valve housed in the filter chamber of the Fresenius 5008 (left side of the machine).
3. Connect the 60 mL syringe filled with air, to the check valve in the filter chamber.

KEY POINTS



PROCEDURE:

4. Inject air into the port.

KEY POINTS

- This will release the arterial pressure measurement unit and the arterial pressure dome can now be removed.

REFERENCES:

Fresenius Medical Care (2015) *5008 Hemodialysis System Instructions for Use* (Ed. 10B-2015) Richmond Hill, ON: Author