

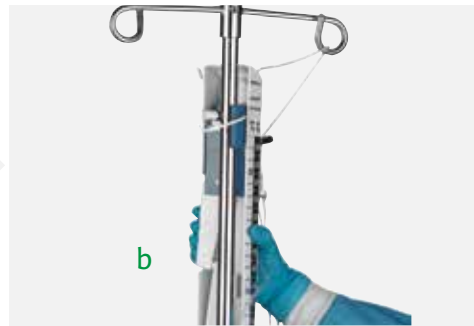
ACCUDRAIN™ SYSTEM SET-UP WITH A FLUSHLESS EXTERNAL TRANSDUCER

This chart is not intended to replace the Instructions for Use as described in the AccuDrain™ system product insert. Please use the following steps as a guide while familiarizing responsible medical personnel with the set-up and operation of the system as directed in the Instructions For Use. Always use sterile technique when handling the CSF drainage system.

1. ATTACHING THE SYSTEM TO POLE



Suspend the drainage system from the IV pole using the cord lock. (a)



Secure the drainage system to the IV pole attachment feature by pressing the white clamp behind the drainage system. (b)

2. EXTERNAL TRANSDUCER PLACEMENT

External transducer is NOT provided by Integra



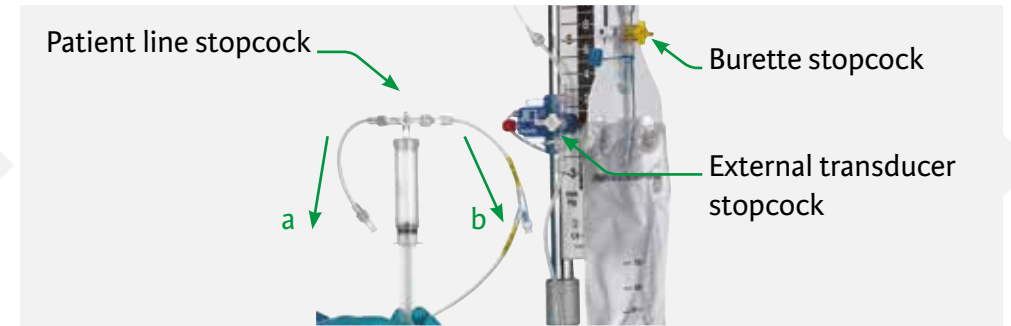
To set up the system, first check that all fittings on the AccuDrain™ system are tightened. When using an ICP external transducer remove the red end plug on the manifold, maintaining sterility.



Attach transducer to manifold stopcock. Cap open end with the sterile red end cap. (Follow instructions for use from transducer manufacturer.)

3. PRIMING THE SYSTEM

This is completed prior to attaching tubing to ventricular or lumbar catheter



Priming from sterile end cap to patient line stopcock

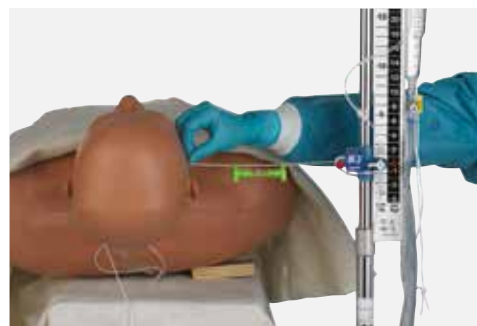
- Turn the patient line stopcock “off” to external transducer.
- Remove sterile end cap from the patient line.
- Attach 10ml syringe, filled with preservative free normal saline, to the patient line stopcock port and prime tubing towards the patient line in the direction of arrow A.
- Replace sterile end cap once patient line is primed.

Priming from patient line stopcock to external transducer

- Re-orient the patient line stopcock “off” to sterile end cap.
- Keeping the 10 ml syringe attached, turn external transducer stopcock “off” to the burette.

- Prime tubing towards and through the external transducer in the direction of arrow B.
- Turn external transducer stopcock “off” to the external transducer and the burette stopcock “off” to the drainage bag.
- Prime tubing towards the burette allowing 2-3ml of preservative free normal saline to collect in the burette. (see diagram direction arrow B).
- Turn the burette stopcock “open” to drain 2-3ml of preservative free normal saline into the drainage bag.
- Remove 10ml syringe and replace with sterile end cap.

4. SETTING THE PRESSURE LEVEL AND SECURING THE SYSTEM



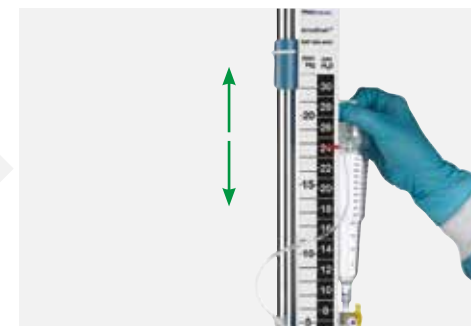
- Attach line level to zero reference on the panel mount.
- Place the zero reference at the external landmark of the patient as ordered by the physician



Press the white clamp behind the drainage system to move the system up or down the pole.



Once system is leveled with the patient, tighten the suspension cord over the IV pole so that the suspension cord is taut. Ensure AccuDrain™ system is securely attached to the pole by pulling the security straps, located on the top and bottom of the panel mount, over the IV pole.



Increase or decrease the height of the pressure level (noted on the graduated burette) by manipulating the Squeeze-Lok™ system to move the burette up or down relative to the patient. When adjusting the height of the drainage system or burette, the stopcock should be “off” to the patient.

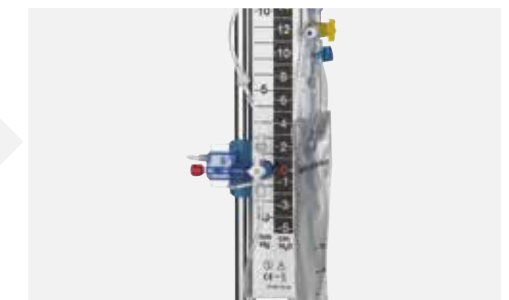
5. DRAINING CSF



In order to drain CSF continuously, turn the panel mount stopcock “off” to the sterile red end cap (a). Ensure CSF is draining directly from the patient line to the graduated burette.

6. MONITORING ICP

Caution : Method of transducer calibration may be affected by a presence of a one-way-Valve



- Zero the transducer to atmosphere per your facility's policies and procedures before use. If closed system pressure monitoring and waveforms are desired, the AccuDrain™ system should be temporarily closed to drainage.
- Turn stopcock “off” to the burette to stop flow to burette.

Note: re-orient stopcock to resume drainage.

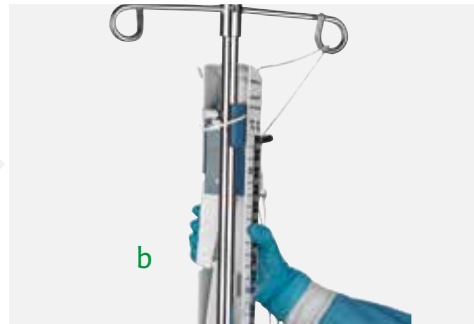
ACCUDRAIN™ SYSTEM SET-UP

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1. ATTACHING THE SYSTEM TO POLE



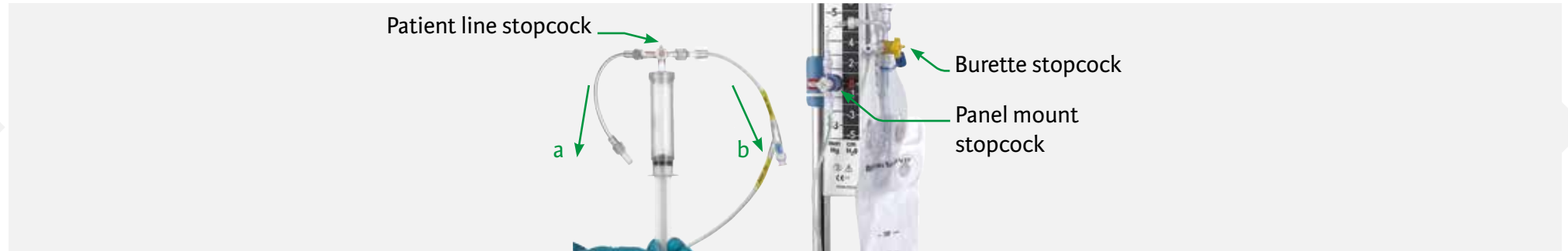
Suspend the drainage system from the IV pole using the cord lock. (a)



Secure the drainage system to the IV pole attachment feature by pressing the white clamp behind the drainage system. (b)

2. PRIMING THE SYSTEM

This is completed prior to attaching tubing to ventricular or lumbar catheter.



Priming from sterile end cap to patient line stopcock

- Turn the patient line stopcock “off” to drainage line.
- Remove sterile end cap from the patient line.
- Attach 10ml syringe, filled with preservative free normal saline, to the patient line stopcock port and prime tubing towards the patient line in the direction of arrow A.
- Replace sterile end cap once patient line is primed.
- Re-orient the stopcock “off” to patient line.

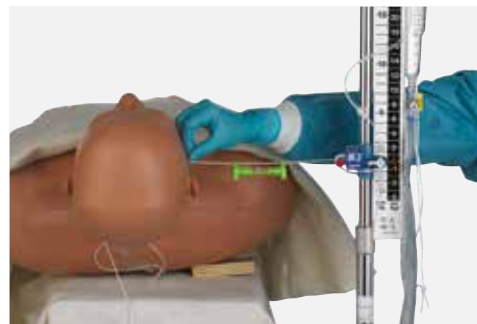
Priming from patient line stopcock to burette stopcock

- Keeping the 10 ml syringe attached, turn panel mount stopcock “open” to the burette and the burette stopcock “off” to the drainage.
- Prime tubing towards the burette (see diagram direction arrow B) allowing 2-3ml of preservative free normal saline to collect in the burette.

Draining to the patient bag

- Turn the burette stopcock “open” to drain 2-3ml of preservative free normal saline into the drainage bag.
- Remove 10ml syringe and replace with sterile end cap.

3. SETTING THE PRESSURE LEVEL AND SECURING THE SYSTEM



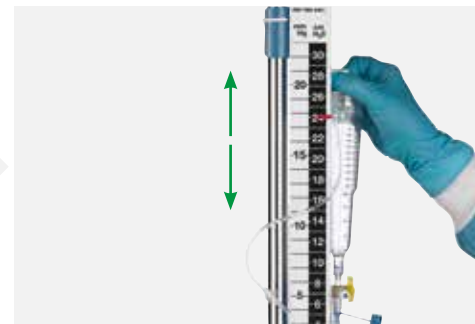
- Attach line level to zero reference on the panel mount.
- Place the zero reference at the external landmark of the patient as ordered by the physician



Press the white clamp behind the drainage system to move the system up or down the pole.



Once system is leveled with the patient, tighten the suspension cord over the IV pole so that the suspension cord is taut. Ensure AccuDrain™ system is securely attached to the pole by pulling the security straps, located on the top and bottom of the panel mount, over the IV pole.



Increase or decrease the height of the pressure level (noted on the graduated burette) by manipulating the Squeeze-Lok™ system to move the burette up or down relative to the patient. When adjusting the height of the drainage system or burette, the stopcock should be “off” to the patient.

4. DRAINING CSF



In order to drain CSF continuously, turn the panel mount stopcock “off” to the sterile red end cap (a). Ensure CSF is draining directly from the patient line to the graduated burette.