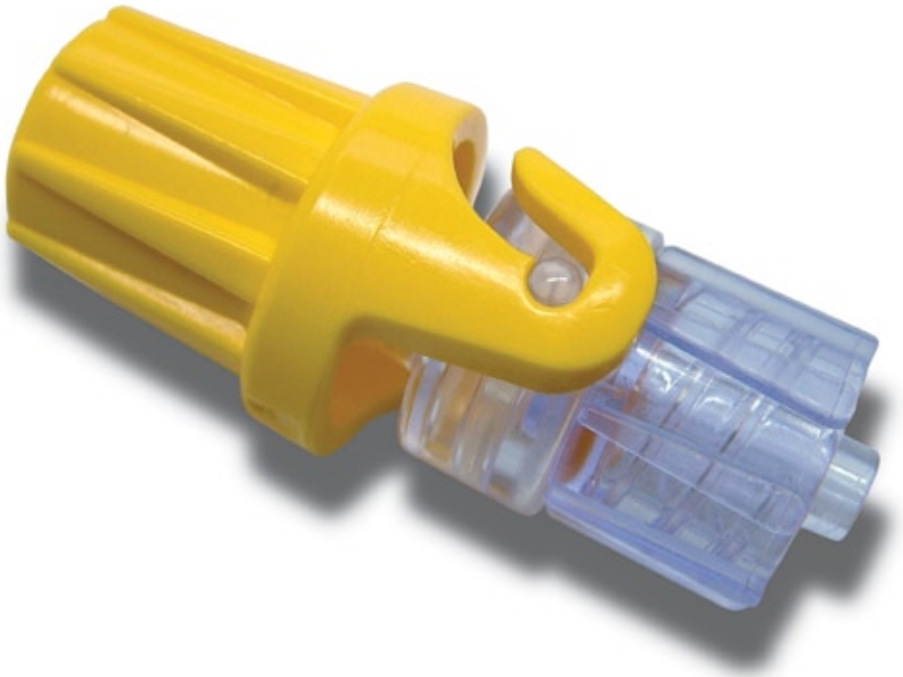
H-FLOW

SELF-SEALING HEMOSTATIC FLOW VALVE



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ICU Medical, Inc.
CRITICAL CARE SYSTEMS

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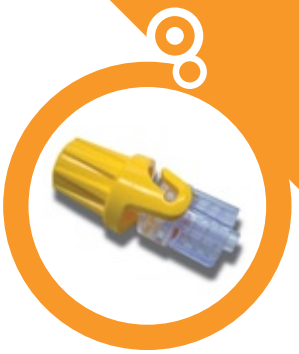


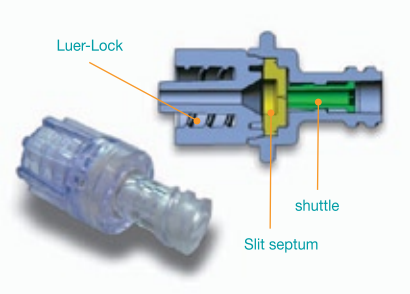
Angiographic catheters require hemostatic flow control devices for safe handling of guide wires and flushing with fluids in order to avoid in-catheter clotting and potential emboli. The new H-Flow Valve is a patented (US Patent No. 5,336,192) luer activated self sealing device which allows convenient placement and positioning of guide wires and micro catheters through an angiographic catheter with little or no leakage.

THE HFV MECHANISM

The device is an angiographic self-sealing hemostatic flow valve that can be connected to any standard catheter. The device has a proximal luer lock large lumen housing and shuttle that controls hemostasis and a slit septum valve with gradual lumen diameter adjustment. The distal housing is a standard luer that fits any diagnostic or guiding catheter.

THE ACCESS CAP

The device is supplied with an access cap which keeps the slit septum at optimal condition. Removal of the cap followed by priming readies the device for patient use.



▶ Cross section of the H-Flow Valve

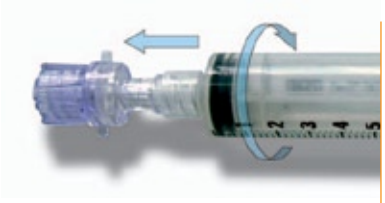
▶ The access cap is functioning as a cheater. Once pushed into the slit septum, it enables insertion of the guide wire

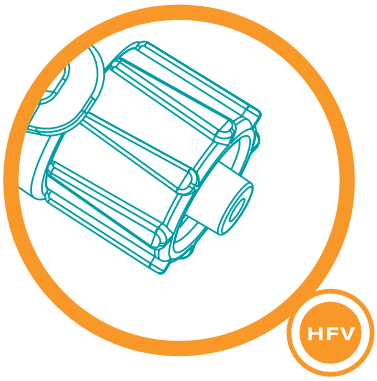
▶ Insertion of a guide wire using any cheater

THE HFV LUER LOCK

Once the syringe is connected to the H-Flow Valve, the actuator is pushed forward and the slit septum opens. Fluid now flows in both directions.

- Single handed operation
- No resistance to flow
- Eliminates the possibility of injection with the valve in the closed position





MAIN ADVANTAGES OF THE HFV DURING OPERATION:

- Convenient insertion of wires ranging from 0.014" to 0.038"
- Enables smooth and easy handling of the guide wire
- Convenient insertion of a coaxial catheter
- Creates a cleaner and safer working environment
- Reduces the need to re-flush the catheter
- The slit septum inside the HFV functions as a one way valve avoiding loss of blood during the procedure
- Helps prevent air penetration into the system
- Withstands repeated high pressure injections up to 1200 psi
- Replaces high pressure stopcocks and other flow control devices

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PART Nº	UNITS PER BOX
4288704-01	25

951 Calle Amanecer, San Clemente, CA 92673 USA • (800) 824-7890

M1-1190 rev.01