

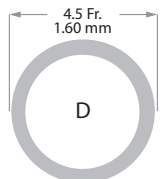
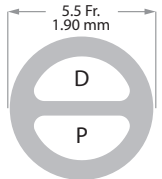
Pressure Injectable ARROW® Midline Catheter Injection Log

PATIENT ID		Notes:	
FIRST NAME			
LAST NAME			
LOCATION (unit/ward/bed)			
DATE OF BIRTH	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>	SEX	<input type="checkbox"/> ♂ (M) <input type="checkbox"/> ♀ (F)
INSERTION SITE	<input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Other:	REF:	
DATE INSERTED	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>	LOT:	

	Date	Lumen	Contrast Media	Volume	Flow Rate
1					
	Notes:				
2					
	Notes:				
3					
	Notes:				

Pressure Injectable ARROW® Midline Catheter Information

MAXIMUM injector pressure setting: 300 psi

Cross Section	Catheter Size	Lumen	Priming Volume (mL) ¹	Gravity Flow Rate (mL/hr) ²	Pump Flow Rate (mL/hr) ³	MAX Indicated Pressure Injection Flow Rate (11.8 cP) ^{4,5}	MAX Catheter Pressure During MAX Flow Conditions ⁶	Minimum Static Burst Pressure ⁷
	4.5 Fr. 15 cm 1-L	Distal (D)	0.31	2420	8820	5 mL/sec	127 psi	408 psi
	5.5 Fr. 15 cm 2-L	Distal (D)	0.27	1290	5860	5 mL/sec	138 psi	402 psi
		Proximal (P)	0.28	1360	6060	Not Rated	Not Rated	Not Rated

The approximate flow capability for the 4.5 Fr. 1-L and 5.5 Fr. 2-L pressure injectable lumens using an injectate of 4.7 centipoise (cP) is 8 mL/sec. ¹Priming volumes are approximate and done without injection caps. ²Flow rates were determined using room temperature water, 100 cm head height and represent approximate flow capabilities. ³Pump flow rates are determined at maximum pump pressure of 10 psig and represent approximate flow capabilities. ⁴Pressure injection flow rates are determined at the injector pressure setting of 300 psi maximum using media of 11.8 centipoise viscosity, with 152 cm pressure tubing. ⁵Based on testing conducted using media at a viscosity of 11.8 cP measured at body temperature (37°C). ⁶Internal catheter pressure during pressure injection at maximum flow conditions with injector safety cut-off at 300 psi. ⁷Minimum static burst pressure is the failure point of catheter when occluded.

⚠ Pressure Injection General Warnings and Cautions:

Warnings:

1. Assess patient for appropriateness of a pressure injection procedure. Pressure injection procedures must be performed by trained personnel well versed in safe technique and potential complications.
2. Discontinue pressure injections at first sign of extravasation or catheter deformation. Follow hospital/institutional protocol for appropriate medical intervention.
3. Use only lumen(s) labeled "Pressure Injectable" for pressure injection to reduce risk of catheter failure and/or patient complications.

Cautions:

4. Do not exceed ten (10) injections or catheter's maximum recommended flow rate located on product labeling and catheter luer hub to reduce risk of catheter failure and/or tip displacement.
5. Pressure limit settings on power injector equipment may not prevent over pressurizing an occluded or partially occluded catheter.
6. Use appropriate administration set tubing between catheter and power injector equipment to reduce risk of catheter failure.

Pressure Injection Instructions:

Use sterile technique.

⚠ Warning: Use appropriate method to confirm catheter tip position prior to each pressure injection.

7. Remove Luer-Lock connector from appropriate extension line of catheter.
8. Check for lumen patency:
 - Attach 10 mL syringe filled with sterile normal saline.
 - Aspirate catheter for adequate blood return.

- Vigorously flush catheter.

⚠ Warning: Ensure lumen patency prior to pressure injection to reduce risk of catheter failure and/or patient complications.

9. Detach syringe.

10. Attach pressure injection administration set tubing to appropriate extension line of catheter according to manufacturer's recommendations.

⚠ Caution: Do not exceed ten (10) injections or catheter's maximum recommended flow rate located on product labeling and catheter luer hub to reduce risk of catheter failure and/or tip displacement.

11. Inject contrast media in accordance with hospital/institutional protocol.

⚠ Caution: Warm contrast media to body temperature prior to pressure injection to reduce risk of catheter failure.

⚠ Caution: Follow the contrast media manufacturer's specified instructions for use, contraindications, warnings, and precautions.

12. Disconnect catheter from pressure injector equipment.

13. Flush catheter using 10 mL syringe or larger filled with sterile normal saline.

14. Disconnect syringe and replace with sterile Luer-Lock connector on catheter extension line.

NOTE: Do not exceed ten (10) pressure injections.

📖 See Instructions for Use for additional information.

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