

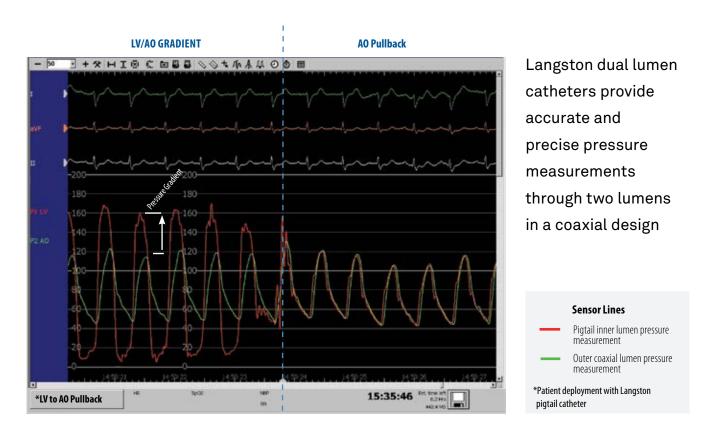
SIMULTANEOUS MEASUREMENT

of differential pressures





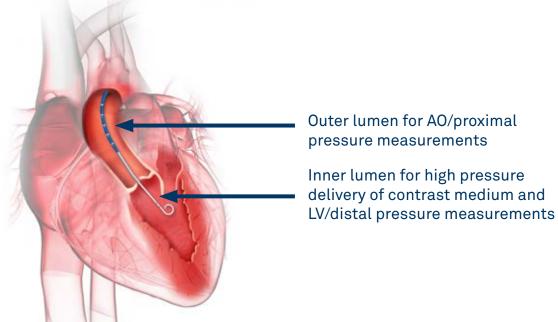
Simultaneous ... Accurate ... Precise

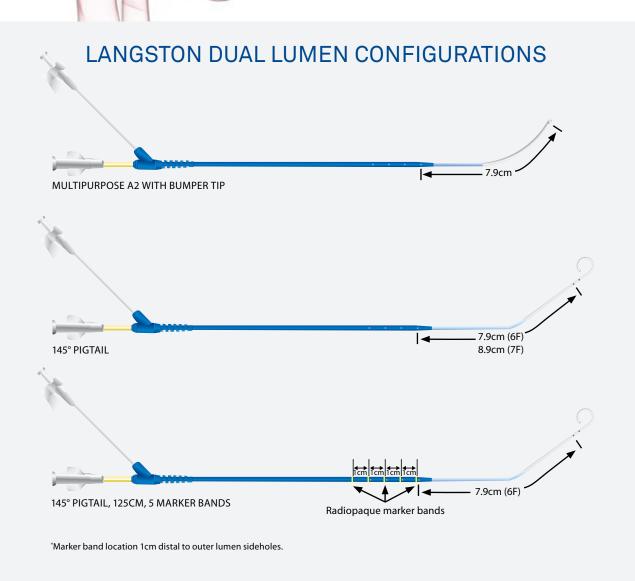


The Langston pigtail catheter measures simultaneous pressures across the aortic valve to determine the pressure gradient and effective orifice area



- 5F Pigtail on 4F inner catheter for pushability and kink resistance across the aortic valve
- Braided inner catheter provides excellent flexibility and optimal torque response for maximum control
- Multiple tip designs combine excellent shape retention and a low crossing profile
- Tip opacity ensures accurate placement and optimal visualization





ORDERING INFORMATION

Langston dual lumen catheters are indicated for delivery of contrast medium in angiographic studies and for simultaneous pressure measurement from two sites. This type of pressure measurement is useful in determining transvalvular, intravascular and intraventricular pressure gradients.

| Model | Catheter Description | Total Length | Working Length | O.D. | Inner Lumen | Proximal Marker Band | Guidewire | # Outer Lumen Sideholes | # Inner Lumen Sideholes | Inner Lumen M.P.R. ¹ | Max Flow Rate² |
|-------|--|-----------------|-------------------|------|----------------|----------------------------|--------------------|-------------------------------|-------------------------------|---------------------------------------|----------------------|
| 5515 | 145° Pigtail | 125cm | 117cm | 7F | 5F | 0 | ≤0.038" 0.965mm | 8 | 5 | 1200psi | 17ml/ sec |
| 5540 | 145° Pigtail | 110cm | 102cm | 6F | 5F³ | 0 | ≤0.038" 0.965mm | 8 | 5 | 1000psi | 13ml/ sec |
| 5545 | 145° Pigtail, 125cm, 5 marker bands | 125cm | 117cm | 6F | 5F³ | 5 | ≤0.038" 0.965mm | 8 | 5 | 1000psi | 12ml/ sec |
| 5550 | Multipurpose A2 | 102cm | 95cm | 6F | 4F | 0 | ≤0.038" 0.965mm | 8 | 2 | 1000psi | 14ml/ sec |

Packaged in quantities of 5 units per box. Individual units not sold separately.

Please see the Instructions for Use for a complete listing of the indications, contraindications, warnings and precautions.

CAUTION: Federal Law (U.S.A.) restricts this device to sale by or on the order of a physician.

 $Langston\ is\ a\ registered\ trademark\ of\ Vascular\ Solutions,\ Inc.$

©2015 Vascular Solutions, Inc. All rights reserved. ML2293 Rev. E 04/15



Vascular Solutions, Inc. 6464 Sycamore Court North Minneapolis, Minnesota 55369 USA

Customer Service: United States: 888.240.6001 International: (001) 763.656.4298 customerservice@vasc.com www.vasc.com

¹Maximum Pressure Rating. ²Flow rates achieved at 4.7cP. Actual results may vary. ³5F Pigtail section with 4F shaft.