

## Combining Peristaltic and Venturi Pump Technology for Optimal Results

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### Different Strokes...

- |   |  |
|---|--|
| <p><u>Venturi</u></p> <ul style="list-style-type: none"> <li>■ Vacuum always ON</li> <li>■ Fast, efficient vacuum</li> <li>■ Ideal for cortex removal, vitrectomy</li> <li>■ Risk of capsule rupture</li> <li>■ Retinal surgeons</li> </ul> | <p><u>Peristaltic</u></p> <ul style="list-style-type: none"> <li>■ Vacuum, flow, rise time all separate</li> <li>■ Safety and control</li> <li>■ Ideal for nuclear fragmentation, epinuclear cleanup</li> <li>■ Less efficient</li> <li>■ Anterior segment surgeon preference</li> </ul> |
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Want it all?  
*Too bad*

Choose one style  
 Live within the limitations

### WhiteStar Signature Fusion Fluidics

#### Dual Pump System

- Peristaltic
  - Max flow 60 cc/min
  - Max vacuum 650 mm Hg
- Venturi
  - Max vacuum 600 mm Hg



### WhiteStar Signature Fusion Fluidics

- Insert image here of cassette (from Signature brochure)
- True combo pump
  - Venturi and peristaltic in one cassette
  - Switch back and forth on the fly
  - Use both pumps simultaneously
  - Program pump choice by mode/sub-mode

### Advantages of Dual-Pump System

- Switch back and forth
  - Nuclear fragmentation - Peristaltic
  - Irrigation/Aspiration - Venturi or Peristaltic
  - OVD removal - Venturi
- Multi-surgeon settings
- Perform occasional vitrectomy

## Advantages of Adding Venturi

- Completely remove OVDs
  - Prevent postop IOP spikes
- Pristine, fast cortical cleanup
  - Maintain reading function
  - Maintain clarity of vision
  - Reduce chance of PCO
- Increase efficiency

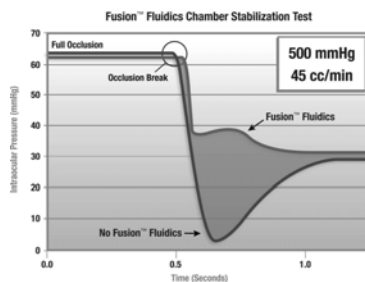
## Advantages of Adding Peristaltic

- Fully utilize Signature's advanced fluidics
  - Senses pressure increase
  - Reacts within 26 milliseconds
  - Reduces vacuum to preset level to prevent surge

WHITESTAR Signature™ System with Fusion™ Fluidics

## Chamber Stability

Approximately 56% less surge with a 20-gauge tip



## Advantages of Adding Peristaltic

- Increases safety
- Extremely stable chamber
- Turn potential disaster into a routine case (IFIS, weak zonules, etc)
- Dr. Chu – insert surgical video here

## Fusion Fluidics: Best of Both Worlds

- Better Fluidics = Better Outcomes
  - Less phaco energy
  - Less inflammation
  - Less endothelial cell loss
  - Reduce chance of PCO, IOP spike
- AMO WhiteStar Signature is the ideal system for the refractive cataract surgeon