

## Low Pressure Ceramic Shear Valves

Sapphire Engineering<sup>™</sup> now offers a rapidly expanding line of low pressure (up to 100 psi) ceramic-to-ceramic shear valves.

Some of these valves are designed for use with traditional syringe pumps, such as those manufactured by Cavo<sup>™</sup>, Kloehn, and Hamilton<sup>®</sup>, while others are custom designed and manufactured to individual OEM specifications.

### Features

- ▶ Zero Pumping Action
- ▶ Extremely long life due to Ceramic rotor and stators
- ▶ Plug-and-play operation with many syringe pumps
- ▶ Custom Sizes / Configurations available including 6 and 8 port distribution valves

For more information please contact Sapphire Engineering or your local OEM Representative.

### Current Standard Sizes:

Standard Valves Currently Available				
Syringe Pump	Available Valves	Pressure Rating	Body Material*	Port Geometry
Cavo XP-3000	3-Way "Y" Valve	60 PSI	Ultem <sup>®</sup>	1/4-28 flat bottom for standard 3cm syringes
	3-Way "T" Valve	60 PSI	Ultem	
	3-Port Distribution Valve	60 PSI	Ultem	
	4-Way Valve	60 PSI	Ultem	

\*Alternative materials available upon request



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 Hamilton<sup>®</sup> is a Registered Trademark of Hamilton Company  
 IDEX<sup>®</sup> is a Registered Trademark of IDEX Corporation  
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