



LIAG®
USA

LAUFER
Valve Technology Inc.

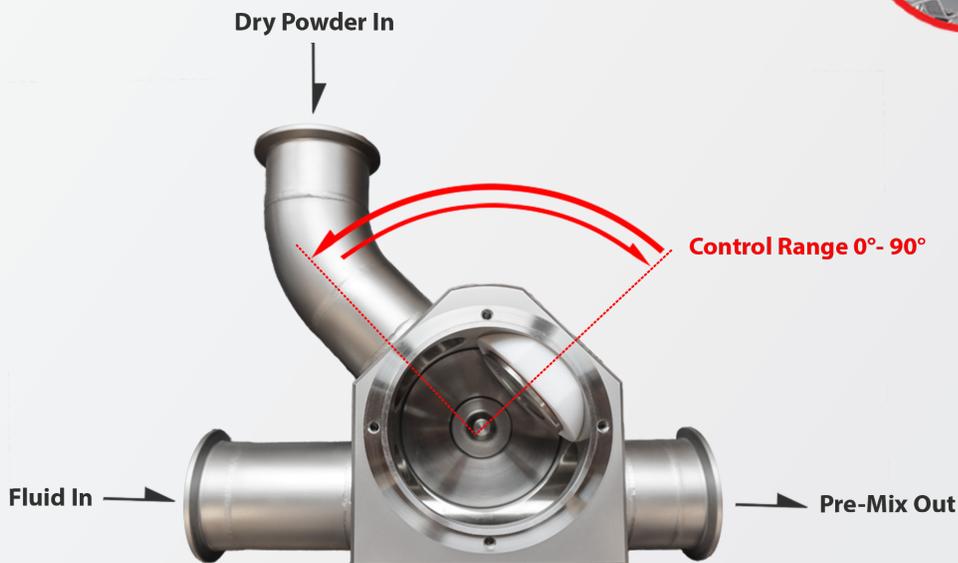
Venturi Powder Control Valve

Venturi Powder Control Valve

LIAG® Venturi powder control valves are designed to enable smooth flow of powder through the valve, the middle port is orientated at a 135°/45° angle to the straight through passage. The Y-arrangement of the inlet creates the ideal flow and vacuum exhaust characteristics for proportioning and dosing. This allows for a complete full bore without reducing the nominal diameter as often experienced with the use of a butterfly valve. Furthermore the Venturi powder control valve can substitute up to two butterfly valves, which improves the operating control of the unit.

Features

- Totally clear passage - no pressure loss
- No dead pockets
- No product retention or sticking of solid particles
- Can be completely dismantled for easy service even when welded in place
- Identical wearing and spare parts as arc valves



Technical Data Overview

Nominal sizes	
Inch:	1" / 1.5" / 2" / 2.5" / 3" / 4"
Materials	
Inox parts in contact with product:	AISI 316L (1.4404 / 1.4435)
Other inox parts:	AISI 304 (1.4301)
O-ring seals:	EPDM, FKM (Viton®), FEP, other grades upon request
Shutter:	PTFE
Surfaces	
In contact with product:	Ra ≤ 0,8 µm (Ra ≤ 32 µin)
Temperature	
Operating temperature:	230°F (110°C)
Short-term:	284°F (140°C) - optionally up to 392°F (200°C)
Operating pressure	
Pressure behind arc:	145 psi (10 bar) - optionally up to 290,1 psi (20 bar)
Pressure against arc:	43,5 psi (3 bar)
Versions	
3-way	
Operation	
Manual:	with handle (0°-90°)
Pneumatic:	• Vertical pneumatic actuator (AISI 304) • Horizontal pneumatic actuator (aluminium housing)
Valve connection	
Clamp connection:	Tri-Clamp
Welded ends:	Inch, DIN
Male ends:	DIN 11851
Further options	
	<ul style="list-style-type: none">• Shutter material; alternatively: Tecapeek®, PTFE+15% Peek• Combination of different types of connection• Delivery and adaptation to actuators of different manufacture per Namur NE14 and DIN EN ISO 5211

LAUFER Valve Technology Inc., 2300 Walnut Ave, Suite Q-R, Signal Hill, CA 90755

T: +1.562.232.4777 - sales@laufer-valve.com - www.laufer-valve.com

