



## FURON<sup>®</sup> PV SERIES PUMP

AIR OPERATED,  
BELLOWED PUMP

30 LPM/8 GPM,  
60 LPM/16 GPM

Furon PV Series Pumps are designed to handle a great variety of chemistry and are constructed with no metal parts. All wetted parts are manufactured from PFA and PTFE suitable for pumping even most aggressive chemicals. The premium self-priming capability of our product coupled with our plug & play driving system provide an easy installation & set up. Our innovative shuttle valve fixation technology allows us to provide three different driving systems to adapt our pump to exact customer requirements.

### APPLICATIONS

Furon PV Series bellows pumps offer the perfect solution for photovoltaic, chemical processing and drain applications in the semiconductor industry, or any industry where chemical resistance and maximum uptime is a must.

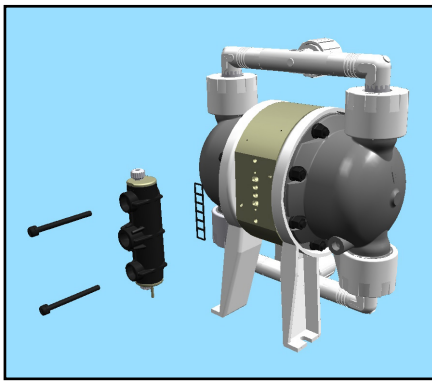
### FEATURES AND BENEFITS

- Metal free pump
- O-Ring free flow path concept (tongue & groove concept)
- Self priming
- Fiber optic stroke sensor & leak detection system
- Low pulsation level with the use of Furon A2 Dampener technology
- Flexible driving system
  - Single shuttle
  - External driving
  - Anti-stalling through twin shuttle system
- Flexible connection system compatible with all fitting types
- ATEX compliant: II 3 G/c IIC TX X

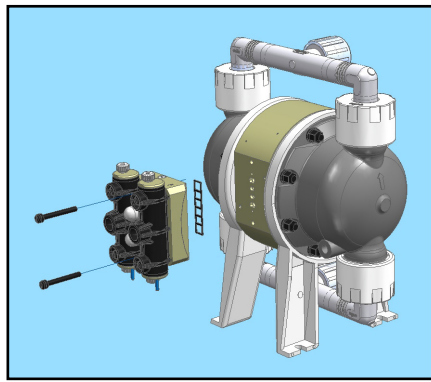
# Furon® PV Series Pump

## SPECIFICATIONS

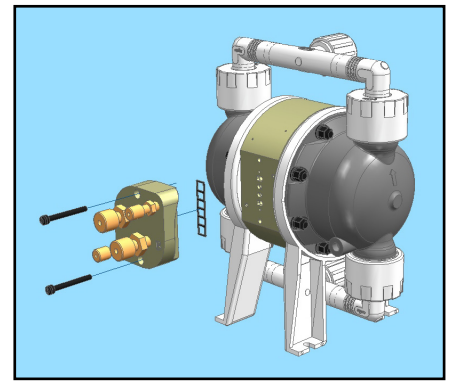
Base Description	Pump Size	End Connection Type	End Connection Size		Driving System		
			in	mm	Single Standard Driving Shuttle Valve	TWIN Shuttle Valve Driving System	External Driving System
A2PV2 F12	2	FlareGrip® II	3/4	19.05	<b>Nothing</b> to add to the base Part Number	Add <b>TWIN</b> at the end of the base Part Number	Add <b>EXT</b> at the end of the base Part Number
A2PV2 T12		Tube End					
A2PV3 F16	3	FlareGrip® II	1	25.4			
A2PV3 T16		Tube End					



Single shuttle valve driving system



Twin shuttle valve driving system  
(anti stalling system)



External driving  
(allow a direct driving through a PLC system)

## TECHNICAL SPECIFICATIONS

Pump Size	Maximum Flow Rate		Maximum Suction Head		Maximum Air Pressure*		Maximum Back Pressure		Maximum Air Consumption*		Media Temperature Range**		Weight	
	gpm	lpm	ft	m	psi	bar	psi	bar	SCFM	m <sup>3</sup> /h	°F	°C	lbs	kg
2	8	30	12	3.5	87	6	80	5.5	6	9	30 - 212°F	0 - 100°C	9	4.5
3	16	60	14	4					9	14			16	8

\* [Please contact us](#) for use with higher pressure

\*\* [Please contact us](#) for use with higher temperature

Max. Ambient Temperature: 140°F (60°C)

**Tested for more than 130 million cycles**

## OPTIONS

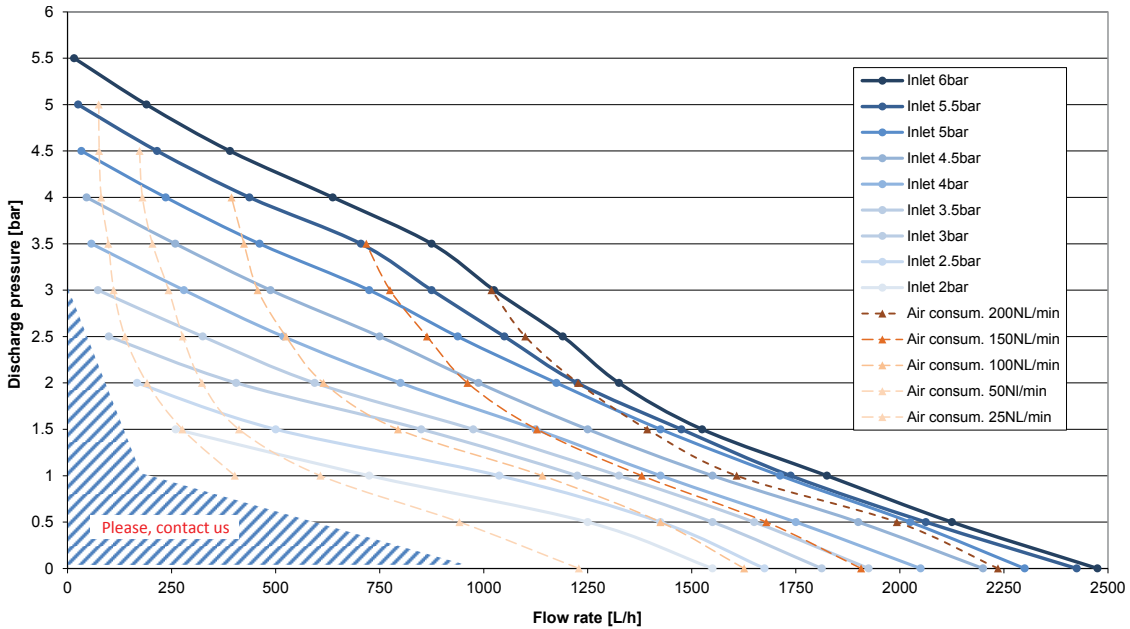
- Optic fiber for stroke counting (16.4 ft (5 m) standard)
  - PN = 9475
- Fiber optic converter
  - PN = 8319
- Metal free leak detection system
  - LD1 for size 2 pump
  - LD2 for size 3 pump
- Other manifold orientations than the standard horizontal/horizontal
- Various combinations of end connections available (Flare, tube, pipe, NPT connections).

[Please consult our engineers](#) for details.

## FLOW RATE CURVES

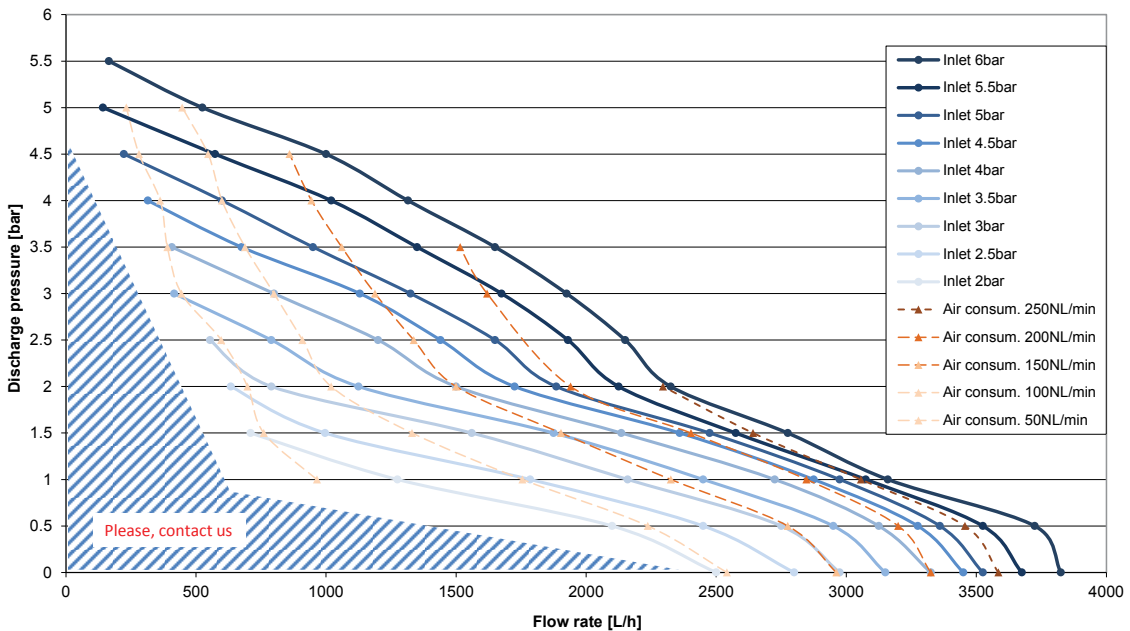
### PUMP SIZE 2

Inlet air pressure (bar) and air consumption (NL/min) as a function of fluid flow rate (L/h) and discharge pressure (bar)  
 Pump Size 2, Ø6x8 air pressure tube



### PUMP SIZE 3

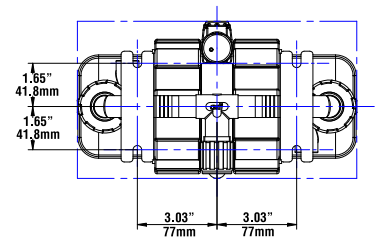
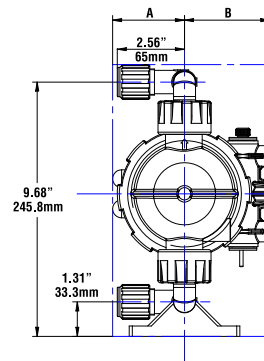
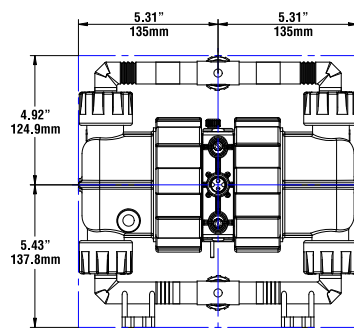
Inlet air pressure (bar) and air consumption (NL/min) as a function of fluid flow rate (L/h) and discharge pressure (bar)  
 Pump Size 3, Ø8x10 air pressure tube



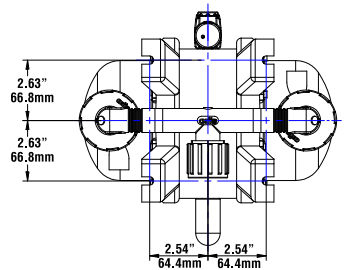
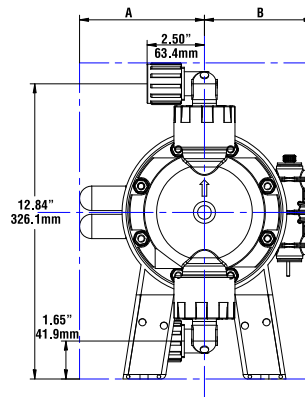
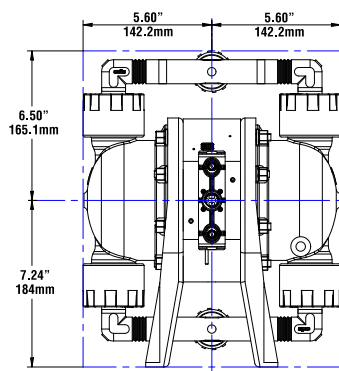
## DIMENSIONS

	Pump Size 2				Pump Size 3			
	Control Side		Muffler Side		Control Side		Muffler Side	
	A	B	A	B	A	B	A	B
	in	mm	in	mm	in	mm	in	mm
Single Shuttle	3.25	82.5	-	-	4.72	120	-	-
Twin Shuttle	5.16	131	-	-	5.84	148	-	-
External Shuttle	5.21	132	-	-	-	-	-	-
Muffler Only	-	-	2.74	69.5	-	-	5.43	138
Muffler & Leak Detection System	-	-	3.72	95.5	-	-	6.50	165

### PUMP SIZE 2



### PUMP SIZE 3



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