

## AFL SERIES Double-Acting, Single Piston Air Drive

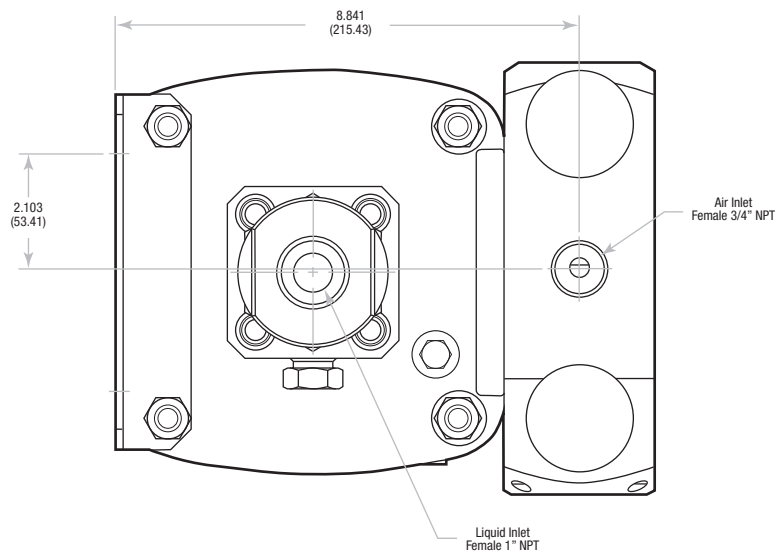
- Service: Oil, Water, Water/Oil mixture and other fluids depending on material compatibility
- Maximum Operating Temperature: 0-140° F (-18° to 60° C)
- Pressure Head: 15-5 PH Stainless Steel
- Check Valve Glands: 316 Stainless Steel
- Liquid Seal: see Ordering Guide for options
- Air Drive Seals: Buna N



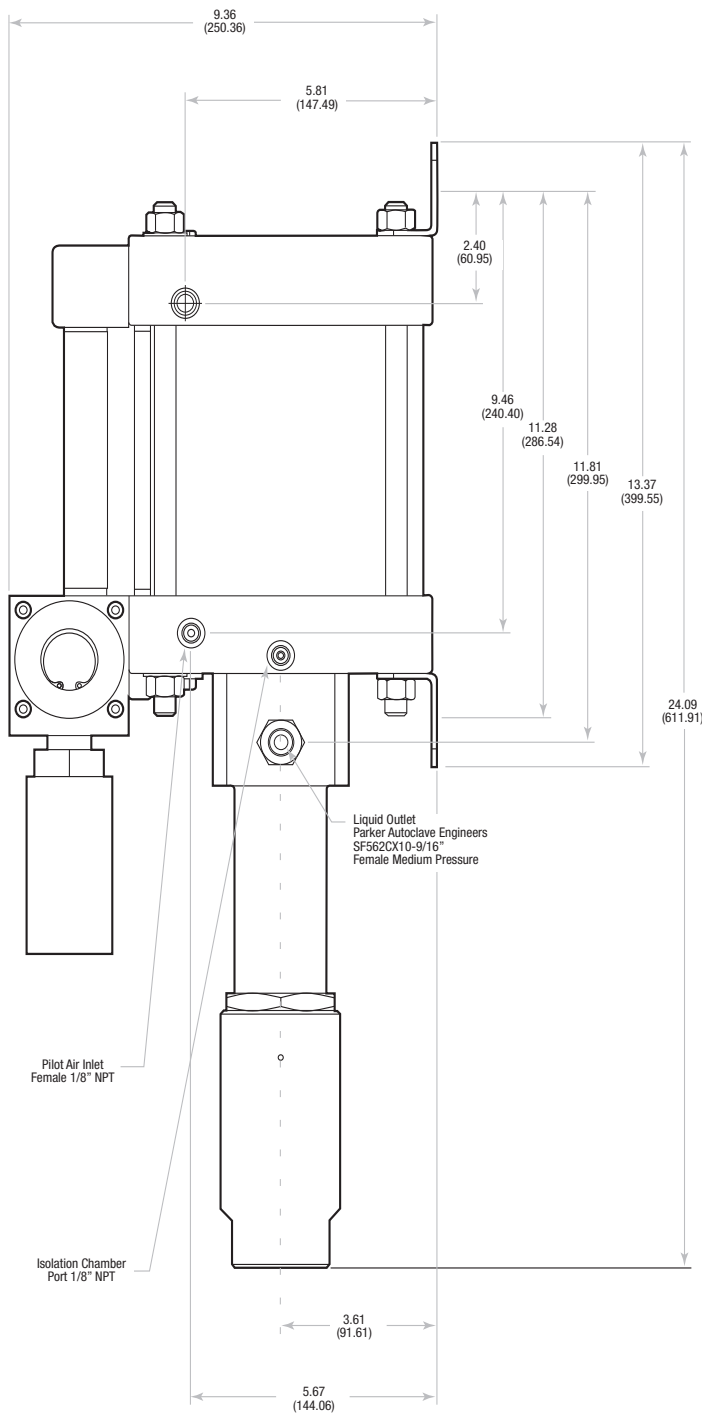
### Reference Guide

Pump Model Series	Pressure Ratio	Maximum Rated Outlet Pressure PSI (bar)	Displacement Per Cycle in³ (cm³)	Liquid Connections	
				Inlet	Outlet
AFL Series					
AFL35-1D	1:39	5,600 (386)	6.02 (98.7)	1" FNPT	9/16" SF562CX
AFL60-1D	1:70	10,000 (690)	3.40 (55.7)	1" FNPT	9/16" SF562CX
AFL100-1D	1:113	15,000 (1034)	2.30 (37.7)	1" FNPT	9/16" SF562CX

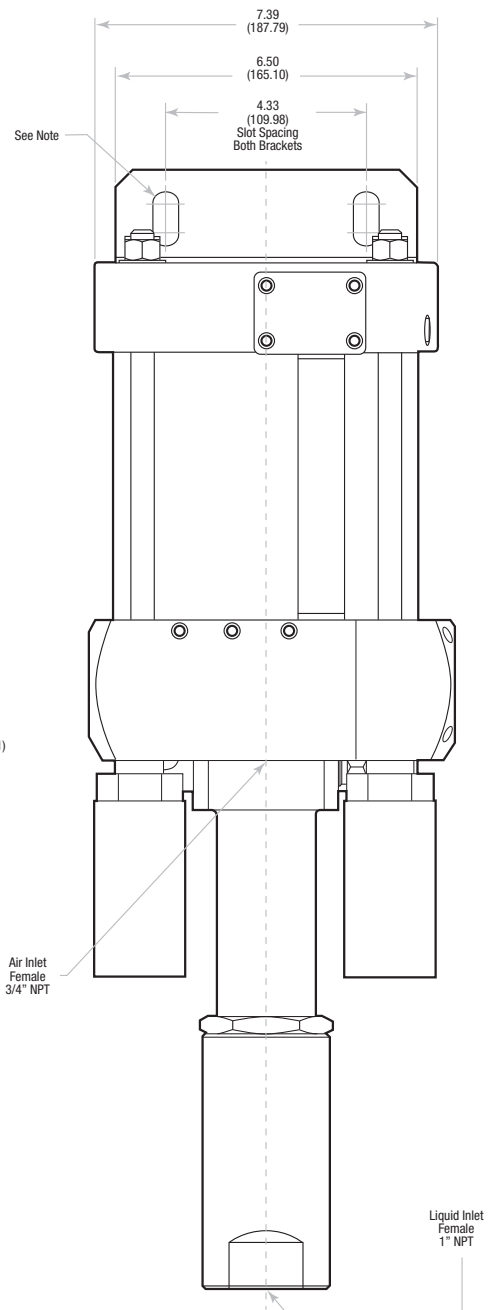
**Air Drive Connection** - All AFL series pumps have a 1" FNPT main air drive supply connection and utilize a 1/8" FNPT pilot port connection for remote start/stop operation. It is recommended to operate the pilot port at a higher air pressure than the main air drive supply pressure for proper function.



Bottom View



Right View



Front View

**Note:**

Each mounting bracket includes (2) x 9/16" (14.29) slots for 1/2" bolts.  
 Bottom inlet pump head and side inlet pump head are mutually exclusive.  
 All dimensions are for reference only and are subject to change without notice.  
 Primary dimensions: Inches  
 Secondary Dimensions: (Millimeters)

## Ordering Guide

Typical catalog number example: **AFL100-1DBPV** (catalog number is created based on customer selection of product parameters, see below for example)

<b>AFL100-1D</b>	<b>B</b>	<b>C</b>	<b>PV</b>
<b>Pump Series Type/Size/Ratio</b>	<b>Liquid Inlet Location</b>	<b>Isolation Chamber</b>	<b>Liquid Seal Material (AFL35, AFL60, AFL100)</b>
<b>AFL</b> <ul style="list-style-type: none"> <li>• High Flow, High Pressure Pump</li> <li>• 6" Dual Piston Air Drive</li> <li>• 1:113 Max. Air-to-Liquid Pressure Ratio</li> <li>• Maximum 15,000 psi (1034 bar)</li> <li>• Single Ended, Double Acting Liquid Heads</li> </ul>	<b>B*</b> = Bottom	<b>C*</b> = Included	<b>PV*</b> = UHMWPE U-Cup and Viton O-Rings <b>PE</b> = UHMWPE U-Cup and EPDM O-Rings <b>PB</b> = UHMWPE U-Cup and Buna-N O-Rings <b>PC</b> = UHMWPE U-Cup and Perfluoroelastomer O-Rings

\* Standard for stock pumps

## Flow Rate Table: Air Drive Pressure (psi) vs. Outlet Pressure (psi)

Catalog Number	Air Drive Pressure (psi)	Outlet Pressure (psi)								
		0	500	1,500	3,000	4,500	6,000	10,000	15,000	
AFL35	60	24	19	9						Liters /min.
	90	25	21	16	6					
	120	26	23	19	12	2				
AFL60	60	14	12	9	4					
	90	14	13	11	8	6	1			
	120	15	14	12	10	8	6			
AFL100	60	10	9	7	5	3	1			
	90	11	10	8	7	6	5	1		
	120	12	11	9	8	7	6	3		