

ACL SERIES Single-Acting, Single Piston Air Drive

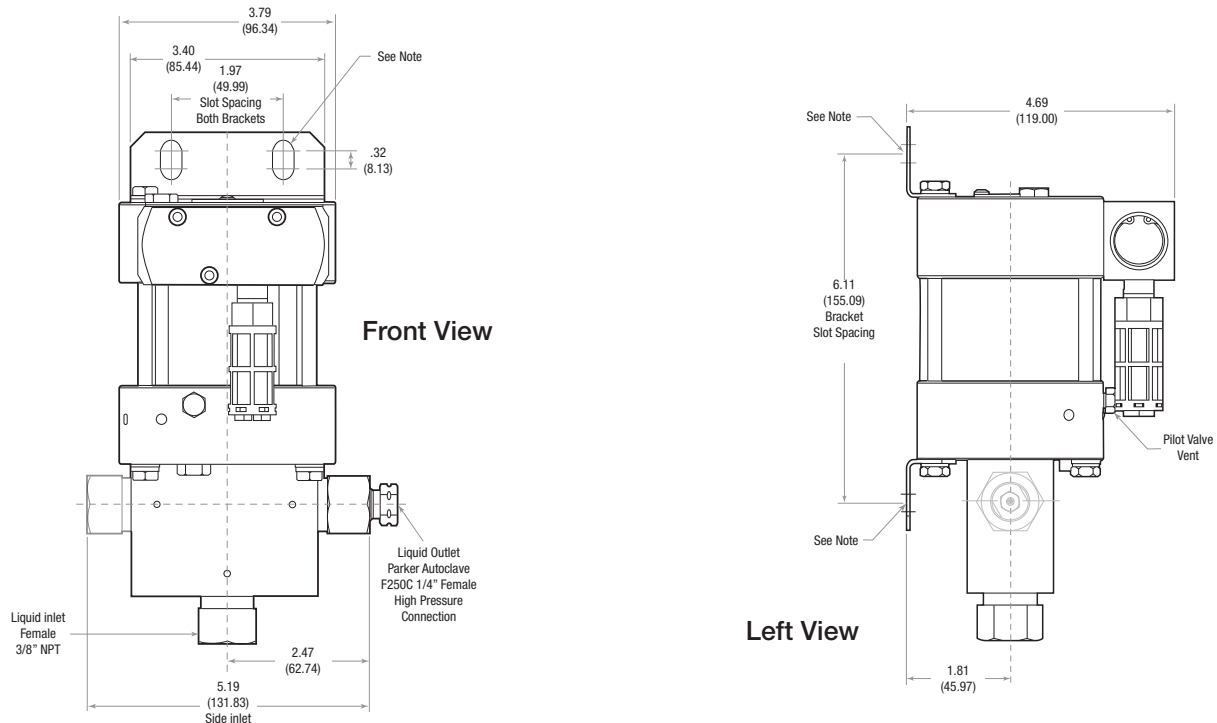
- Single-Acting, Single or Double Piston Air Drive
- Service: Oil, Water, Water/Oil mixture and other fluids depending on material compatibility
- Maximum Operating Temperature: 0-140° F (-18° to 60° C)
- Net Weight: 8 lbs. (3.6 kg)
- Pressure Head: 316 Stainless Steel
- Plunger: 440 Stainless Steel
- Check Valve Glands: 15-5PH Stainless Steel
- Liquid Seal: see Ordering Guide for options
- Air Drive Seals: Buna N

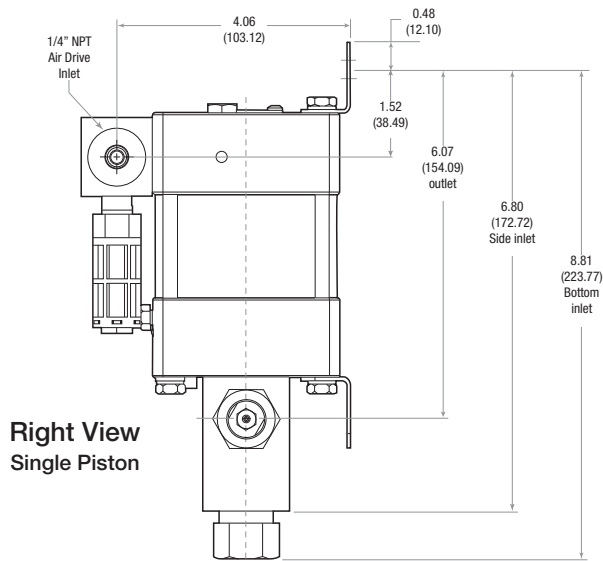


Reference Guide

Pump Model Series	Pressure Ratio	Maximum Rated Outlet Pressure PSI (bar)	Displacement Per Cycle .in ³ (cm ³)	Liquid Connections	
				Inlet	Outlet
ACL Series					
ACL72-01	1:88	12,500 (862)	0.09 (1.47)	3/8" FNPT	F250C
ACL111-01	1:130	18,850 (1,300)	0.05 (0.08)	3/8" FNPT	F250C
ACL189-01	1:220	31,900 (2,199)	0.04 (0.07)	3/8" FNPT	F250C
ACL189-02	1:440	60,000 (4,137)	0.04 (0.07)	3/8" FNPT	F250C

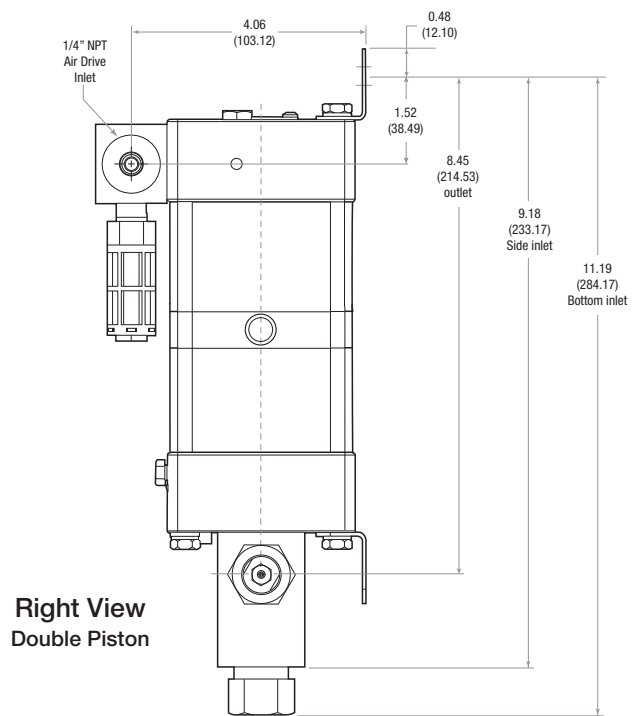
Air Drive Connection - All ACL series pumps have a 1/4" FNPT main air drive supply connection





Right View
Single Piston

Note:
 Each mounting bracket includes (2) x 3/8" (9.53) slots for 5/16" 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)



Right View
Double Piston

Ordering Guide

Typical catalog number example: **ACL189-01SNP**
 (catalog number is created based on customer selection of product parameters, see below for example)

ACL189-01	S	N	P
Pump Series Type/Size/Ratio	Liquid Inlet Location	Isolation Chamber	Liquid Seal Material
ACL • Compact Liquid High Pressure Pump • 3" Single Piston Air Drive • 1:220 Air-to-Liquid Pressure Ratio • Maximum 31,900 psi (2,199 bar)	S* = Side B = Bottom	N* = None	P* = UHMWPE U-Cup with Elgiloy Spring Energizer U = Urethane U-Cup

* Standard for stock pumps

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

Catalog Number	Air Drive Pressure (psi)	Outlet Pressure (psi)											in ³ /min.
		0	500	1,500	3,000	5,000	7,500	10,000	15,000	25,000	40,000	55,000	
ACL72-01	60	42	32	17	9	1							
	90	42	34	25	18	7	1						
	120	43	35	29	24	17	7	2					
ACL111-01	60	28	23	14	9	5	1						
	90	28	25	19	15	10	5	2					
	120	29	26	21	18	15	10	6	1				
ACL189-01	60	15	15	14	13	12	9	6					
	90	15	15	15	14	14	13	11	6				
	120	15	15	15	15	15	14	13	10	1			
ACL189-02	60	13	12	11	10	9	7	7	5	1			
	90	14	13	12	11	8	8	8	7	5			
	120	17	16	14	12	10	9	8	8	7	4		