

AZ-1 SERIES POWER PACKS



Air operated, hydraulic pumps for pressure testing, chemical injection and hydraulic power.

Available in:-

AZ-1-19, 36, 58, 107, 140, 187, 275, 425

Equipment Specifications

- Air filter, lubricator, pressure regulator, pressure gauge and pump start/stop valve
- 6" dia (150mm) panel mounted pressure gauge
- Pressure release valve
- All inter connecting pipe work and fittings
- Robust stainless steel framework
- Stroke Counter Fitted

All pumps are fitted with Pneumatic Stroke Counter System to provide an economical way of counting the number of pump cycles.

All pumps are fitted with 1/4" BSP Male outlet & Crows Foot air inlet. But can be changed to suit most commonly used fittings

Please see overleaf for performance charts

AZ-1 SERIES PERFORMANCE CHARTS

Typical hydraulic pressure – Static condition										
Air Drive PSI (BAR)	20 (1.4)		40 (2.8)		60 (4.1)		80 (5.5)		100 (6.9)	
	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
AZ-1-19	330	22.8	700	48.3	1100	75.9	1500	103	1900	131
AZ-1-36	600	41.4	1400	96.6	2125	147	2825	195	3625	250
AZ-1-58	1000	68.9	2200	152	3400	234	4600	317	5800	400
AZ-1-107	2000	138	4200	290	6400	441	8500	586	10700	738
AZ-1-140	2400	166	5400	372	8300	572	11200	772	14000	968
AZ-1-187	3250	224	7250	500	11250	776	15000	1034	18750	1293
AZ-1-275	4000	276	10500	724	16250	1121	21500	1483	27500	1897
AZ-1-425	8000	552	16500	1138	25500	1759	34000	2345	42500	2931

AZ-1 Hydraulic Pump																		
Model Number		-19	-36	-58	-107	-140	-187	-275	-425									
Vol. Per Stroke cu ins		1.385	.766	.464	.245	.188	.138	.096	.061									
Vol. Per Stroke cc		22.7	12.6	7.6	4.0	3.1	2.3	1.6	1.0									
Approximate rate of discharge – Air drive 100Psi (7Bar)																		
Output Pressure		AZ-1-19		AZ-1-36		AZ-1-58		AZ-1-107		AZ-1-140		AZ-1-187		AZ-1-275		AZ-1-425		
PSI	BAR	Ins ³ mi n	Ltr min	Ins ³ min	Ltr min	Ins ³ min	Ltr min	Ins ³ min	Ltr min	Ins ³ min	Ltr min	Ins ³ min	Ltr min	Ins ³ min	Ltr min	Ins ³ min	Ltr min	
0	0	706	11.6	366	6.0	217	3.5	120	2.0	92	1.5	70	1.1	44	0.72	26	0.42	
250	17	549	9.0															
500	34	476	7.8	258	4.4													
750	52	433	6.6															
1000	69	354	5.8	232	3.8	153	2.5	78	1.3									
1250	86	305	5.0															
1500	103	256	4.2	204	3.3													
1750	121	153	2.5															
2000	138	0	0	183	3.0	137	2.2	74	1.2	61	1.0							
2500	172			156	2.5							46	0.7					
3000	207			119	1.9	113	1.8	71	1.1					29	0.47			
3500	241			73	1.2	104	1.7											
4000	276			0	0	95	1.5	62	1.0	56	0.9							
4500	310					79	1.3											
5000	345					62	1.0					41	0.7			15	0.26	
6000	414					0	0	54	0.9	50	0.8			25	0.41			
7000	483																	
8000	552							44	0.7	43	0.7	36	0.6					
9000	620							38	0.6					24	0.39			
10000	690							27	0.4	37	0.6	32	0.5			15	0.24	
12500	862							0	0	29	0.5			21	0.34			
15000	1034									0	0	24	0.4			13	0.21	
20000	1380											0	0	18	0.29	12	0.19	
25000	1724													13	0.21	10	0.16	
30000	2068													0	0	8	0.13	
40000	2758															3	0.05	
50000	3450															0	0	