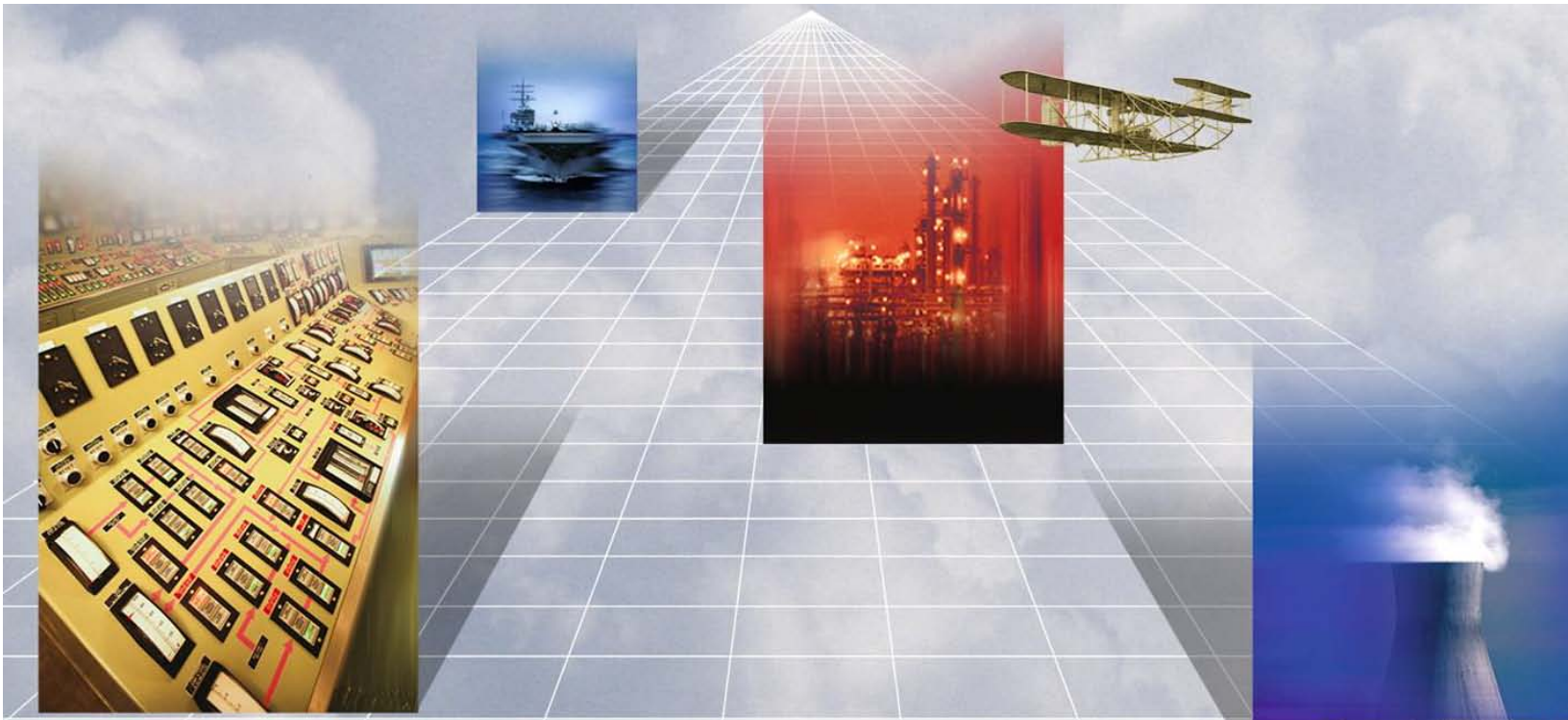


# **CURTISS WRIGHT** **Flow Control Company**

**Sprague Products**

## **AIR DRIVEN LIQUID PUMPS**



## **PERFORMANCE CHARTS**





**PERFORMANCE CHARTS ↓ S-216-J & JB, S-216-JN, S-216-JS & JBS, S-216-JSN SERIES AIR DRIVEN LIQUID PUMPS**

Approximate Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

3/4 HP (.56 KW) Air Supply 50 SCFM (1.42 S M <sup>3</sup> /min)	Pressure PSI (BAR)	J-10	J-20	J-30	J-35	J-60	J-100	J-125	J-150	J-200	J-300
	0		485 (7.9)	485 (7.9)	332(5.4)	297 (4.9)	213 (3.5)	172(2.8)	130 (2.1)	78 (1.3)	53 (0.9)
250 (17)		560 (9.1)	440 (7.2)	284(4.7)	238 (3.9)	190 (3.1)	138(2.3)	122 (2.0)	77 (1.3)	52 (0.9)	36 (0.6)
500 (34)		484 (7.5)	400 (6.6)	268(4.4)	225 (3.7)	186 (3.0)	132(2.2)	115 (1.7)	76 (1.2)	50 (0.8)	35 (0.6)
750 (48)		324 (5.3)	364 (6.0)	256(4.2)	214 (3.5)	177 (2.9)	128(2.1)	112 (1.8)	74 (1.2)	49 (0.8)	34 (0.6)
1000 (69)			320 (5.2)	236(3.9)	200 (3.3)	170 (2.8)	126(2.0)	110 (1.8)	72 (1.2)	48 (0.8)	33 (0.5)
1500 (103)			212 (3.5)	208(3.4)	185 (3.0)	154 (2.5)	118(1.9)	104 (1.7)	68 (1.1)	47 (0.8)	33 (0.5)
2000 (138)				174(2.9)	164 (2.7)	140 (2.3)	111(1.8)	99 (1.6)	66 (1.1)	46 (0.8)	32 (0.5)
3000 (207)				42 (0.7)	122 (2.0)	107 (1.8)	98 (1.6)	88 (1.4)	60 (1.0)	43 (0.7)	30 (0.5)
4000 (276)					69 (1.1)	86 (1.4)	88 (1.4)	85 (1.3)	56 (0.9)	41 (0.7)	30 (0.5)
5000 (345)						60 (1.0)	76 (1.2)	75 (1.2)	53 (0.9)	38 (0.6)	29 (0.5)
7500 (517)							53 (0.9)	57 (0.9)	44 (0.7)	34 (0.6)	26 (0.4)
10000 (690)								40 (0.7)	38 (0.6)	30 (0.5)	23 (0.4)
15000 (1034)									20 (0.3)	20 (0.3)	18 (0.3)
20000 (1379)										9 (.15)	14 (0.2)
30000 (2069)											6 (0.1)
33500 (2310)											6 (0.1)



**PERFORMANCE CHARTS ↓ ALL S-216-JB-HO HIGH OUTPUT SERIES AIR DRIVEN LIQUID PUMPS**

**Special Note: Avoid Continuous "Excessively" High Cycle Rates At Lower Pressure. May Result In Increased Maintenance.**

Approximate Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

1.5 HP (1.12 KW) Air Supply 50 SCFM 1.42 S M <sup>3</sup> /min 2.0 HP (1.50 KW) Air Supply 75 SCFM 2.12 S M <sup>3</sup> /min	Pressure PSI (BAR)	J-10	J-20	J-30	JB-35	JB-60	JB-100	JB-125	JB-150	JB-200	JB-300
	0					535 (8.7)	490 (8.0)	305(5.0)	260 (4.2)	152 (2.5)	103(1.7)
250 (17)					500 (8.2)	475 (7.7)	280 (4.6)	244 (4.0)	150 (2.4)	99 (1.6)	70 (1.2)
500 (34)		N	N	N	475 (7.8)	450 (7.3)	275 (4.5)	230 (3.7)	148 (2.4)	95 (1.5)	68 (1.1)
750 (48)		O	O	O	425 (7.0)	425 (6.9)	260 (4.2)	224 (3.6)	145 (2.3)	93 (1.5)	63 (1.0)
1000 (69)		T	T	T	410 (6.7)	420 (6.8)	244 (4.0)	220 (3.6)	144(2.3)	91 (1.5)	60 (1.0)
1500 (103)					375 (6.1)	400 (6.5)	230 (3.7)	208 (3.4)	136 (2.2)	89 (1.4)	57 (0.9)
2000 (138)		A	A	A	330 (5.4)	370 (6.0)	220 (3.6)	198 (3.2)	132 (2.1)	86 (1.3)	57 (0.9)
3000 (207)		V	V	V	240 (3.9)	270 (4.4)	201 (3.3)	173 (2.8)	118 (1.9)	84 (1.3)	54 (0.9)
4000 (276)		A	A	A	110 (1.8)	190 (3.1)	185 (3.0)	163 (2.6)	110 (1.8)	75 (1.2)	52 (0.8)
5000 (345)		I	I	I		110 (1.8)	152 (2.5)	137 (2.2)	97 (1.6)	70 (1.2)	50 (0.8)
7500 (517)		L	L	L			75 (1.2)	95 (1.5)	73 (1.2)	56 (0.9)	43 (0.7)
10000 (690)		A	A	A				60 (1.0)	57 (.93)	45 (0.7)	34 (0.6)
15000 (1034)		B	B	B					27 (.44)	27 (.44)	22 (0.4)
20000 (1379)		L	L	L						10 (.16)	16 (.25)
30000 (2069)		E	E	E							7 (0.1)
33500 (2069)											7 (0.1)



**PERFORMANCE CHARTS ↓ S-216-JD AND S-218-GJC HIGH OUTPUT SERIES AIR DRIVEN LIQUID PUMPS**

Approximate Rate of Discharge in GALLONS/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

1.5 HP (1.12 KW) AIR SUPPLY 50 to SCFM (1.42 S M <sup>3</sup> /min)	Pressure PSI (BAR)	JD-6.8	JD-34	JD-36	JD-60		S-218-45	S-218-65		S-218-200D
		0	12 (45.1)	3.1 (11.7)	2.9 (11)	2.7 (10.2)	H	10.5 (39.7)	8.5 (32.2)	H
100 (6.9)	10.9 (41)	2.9 (11)	2.9 (11)	2.7 (10.2)	I	10.5 (39.7)	8.5 (32.2)	I	2.27 (8.6)	
250 (17)	8.6 (32.5)	2.9 (10.9)	2.1 (7.9)	2.2 (8.4)	G	9.8 (37.1)	8.0 (30.3)	G	2.26 (8.6)	
350 (24)	7.0 (26.5)	2.9 (10.9)	2.1 (7.9)	2.2 (8.4)	H	9.8 (37.1)	8.0 (30.3)	H	2.26 (8.6)	
500 (34)	4.0 (15.1)	2.8 (10.8)	1.9 (7.5)	2.2 (8.4)		9.8 (37.1)	8.0 (30.3)		2.25 (8.5)	
1000 (69)		2.7 (10.2)	1.7 (6.6)	2.1 (7.9)	F	9.2 (34.8)	7.6 (28.8)	P	2.25 (8.5)	
2000 (138)			2.1 (7.9)	1.8 (6.9)	L	7.7 (29.1)	6.6 (25.0)	R	2.20 (8.4)	
3000 (207)			1.1 (4.2)	1.4 (5.4)	O	5.8 (22.0)	5.6 (21.2)	E	2.20 (8.4)	
4000 (275)				1.0 (3.8)	W	3.1 (11.7)	4.5 (17.0)	S	2.20 (8.4)	
4500 (310)				1.0 (3.8)		1.0 (3.8)	3.9 (14.8)	S	2.16 (8.2)	
5000 (345)				.71 (2.7)			3.3 (12.5)	U	2.16 (8.2)	
5500 (379)				.30 (1.1)			2.7 (10.2)	R	2.12 (8.0)	
6000 (414)				.14 (.53)			1.9 (7.2)	E	2.12 (8.0)	
8000 (552)									2.03 (7.7)	
12000 (828)									1.62 (6.1)	
16000 (1104)									1.0 (3.8)	
18000 (1241)									0.25 (0.9)	
20000 (1379)									0.25 (0.9)	







FARRIS ENGINEERING / SPRAGUE  
CORPORATE HEADQUARTERS  
FARRIS ENGINEERING - MANUFACTURING  
BRECKSVILLE, OHIO

Website: <http://sprague.cwfc.com>



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Sprague – UK, Napoleon House Gore Cross Business Park Corbin Way, Bridport Dorset, DT6 3UX UK +44 (0) 1308 422256