

Fast-Flo® 1:1 Air-Operated Piston Transfer Pumps



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Ordering Information

PART NUMBER	CONSTRUCTION	PACKING
226940	Drum/CS/SST (ETL-UL, CE)	T&L
226941	Drum/CS/SST (ETL-UL, CE)	PE
226942	Drum/SST (ETL-UL, CE)	PE
226943	Stubby/CS/SST (ETL-UL, CE)	L
226944	Stubby/CS/SST (ETL-UL, CE)	PE
226945	Stubby/SST (ETL-UL, CE)	PE
226946	Drum/CS/SST (CE)	T
237129	Drum/SST (CE)	T
237130	Stubby/CS (CE)	L
237131	Stubby/CS (CE)	T
237132	Stubby/SST (CE)	T
237133	Drum/CS (CE)	L
237134	Drum/CS (CE)	T

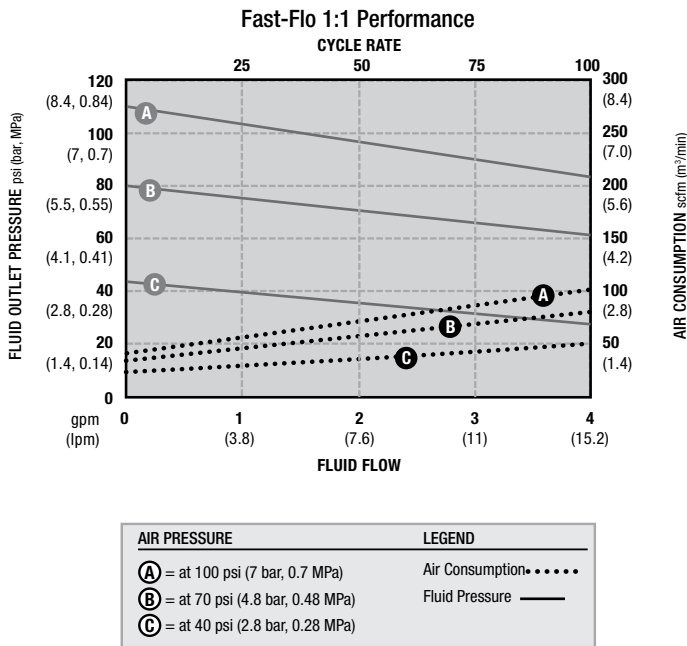
N = Neoprene SST = 304 Stainless Steel
 L = Leather CS = Carbon Steel
 T = PTFE PE = Polyethylene



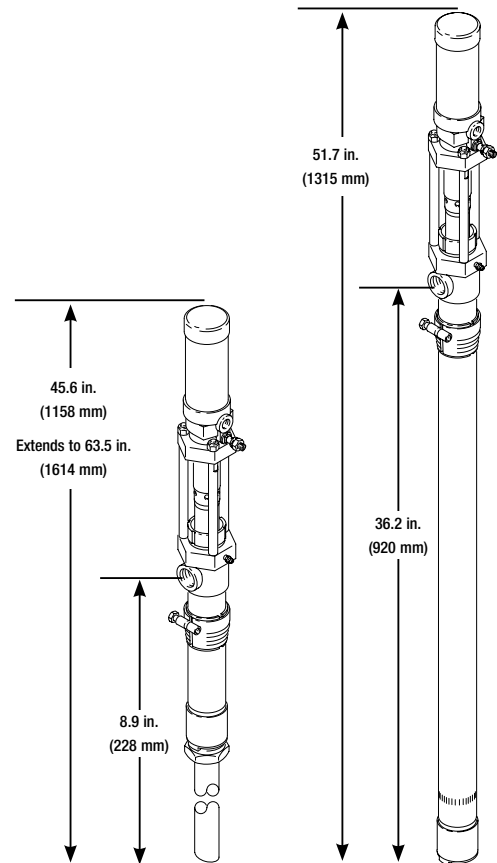
Technical Specifications

Fast-Flo 1:1	Priming Piston
Maximum fluid working pressure	180 psi (12.4 bar, 1.24 MPa)
Maximum pump speed	100 cpm
Pump cycles per gallon (3.8 l)	25
Maximum air input pressure	180 psi (12.4 bar, 1.24 MPa)
Maximum operating temperature	120°F (49°C)
Typical sound level	72 dBA
Air inlet	1/4 npt (f)
Fluid outlet	3/4 npt (f)
Weight	20 lbs (9.07 kg) Drum; 11 lbs (4.99 kg) Stubby
Instruction Manual	307427

Performance Charts



Dimensions



Ordering Information and Technical Specifications

Piston Pumps with Sealed Wet Cup

Ink Pump Package Part No.	Ratio	DataTrak	Remote DataTrak	Power Source	Displacement per Cycle	Maximum Air or Hydraulic Input Pressure psi (MPa, bar)	Maximum Fluid Working Pressure psi (MPa, bar)
258744	14:1			Air	500 cc	100 (0.7, 7.0)	1400 (9.7, 97)
258745	14:1	x		Air	500 cc	100 (0.7, 7.0)	1400 (9.7, 97)
258746	14:1		x	Air	500 cc	100 (0.7, 7.0)	1400 (9.7, 97)
258747	23:1			Air	200 cc	100 (0.7, 7.0)	2300 (15.9, 159)
258748	23:1	x		Air	200 cc	100 (0.7, 7.0)	2300 (15.9, 159)
258749	23:1		x	Air	200 cc	100 (0.7, 7.0)	2300 (15.9, 159)
258750	26:1			Air	500 cc	100 (0.7, 7.0)	2600 (17.9, 179)
258751	26:1	x		Air	500 cc	100 (0.7, 7.0)	2600 (17.9, 179)
258752	26:1		x	Air	500 cc	100 (0.7, 7.0)	2600 (17.9, 179)
258753	1.6:1			Hydraulic Oil	500 cc	1500 (10, 103)	2300 (15.9, 159)

Motor Conversion Kits

Part No.	Description
24C743	To install an L200CM Check-Mate displacement pump on an existing King air motor
24C744	To install an L500CM Check-Mate displacement pump on an existing King air motor
24D625	To install an L500CM Check-Mate displacement pump on an existing Viscount II hydraulic motor

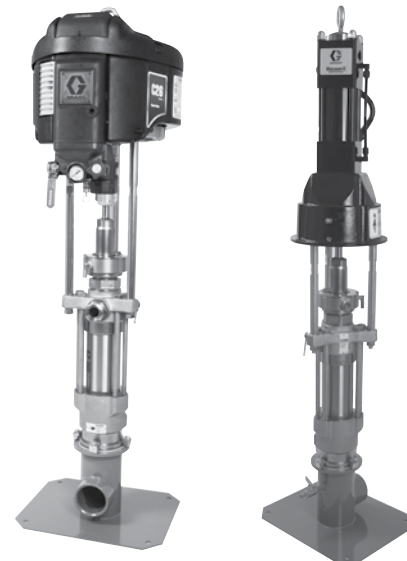
Piston Pumps with Sealed Wet Cup

Stroke length	
Pneumatic	4.75 in (120.65 mm)
Hydraulic	4.69 in (119.13 mm)
Maximum fluid operating temperature	180° F (82.3° C)
Air or Hydraulic Inlet Size	3/4 npt (f)
Fluid outlet size	200 cc displacement pump: 1 npt (f) 500 cc displacement pump: 1-1/2 npt (f)
Maximum pump speed	60 cpm

(Do not exceed maximum recommended speed of fluid pump, to prevent premature pump wear)

Other

Part No.	Description
222780	Floor Stand Kit See manual 307971



Pneumatic

Hydraulic

Piston Pumps for Ink Applications

Ordering Information and Technical Specifications

Name of Pump	Senator® 19:1	Viscount® II 1900	Bulldog® 31:1	Viscount II 3100
Lower size	800	800	800	800
Maximum fluid pressure	1900 psi (131 bar, 13.1 MPa)	1900 psi (131 bar, 13.1 MPa)	3100 psi (213 bar, 21.3 MPa)	3100 psi (213 bar, 21.3 MPa)
Maximum motor inlet pressure	100 psi (air) (6.9 bar, 0.69 MPa)	450 psi (oil) (31 bar, 3.1 MPa)	100 psi (air) (6.9 bar, 0.69 MPa)	750 psi (oil) (51.7 bar, 5.1 MPa)
Flow rate @ 60 cpm	2.8 gpm (10.6 lpm)	2.8 gpm (10.6 lpm)	2.8 gpm (10.6 lpm)	2.8 gpm (10.6 lpm)
Cfm or gpm required per gallon	24 cfm	4.3 gpm (16.2 lpm)	32 cfm	4.3 gpm (16.2 lpm)
Fluid pump outlet size	1" npt (f)	1" npt (f)	1" npt (f)	1" npt (f)
Motor inlet size	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)
Weight of pump	160 lb (73 kg)	177 lb (80 kg)	160 lb (73 kg)	177 lb (80 kg)
Instruction manual	308351	308351	308351	308351

Bin Supply	Senator 19:1	Viscount II 1900	Bulldog 31:1	Viscount II 3100
Pump	246941	246938	246940	246938
Air controls: FRL, 1/2"	217072		217072	
Air run away control, 3/4"	224040		224040	
Air speed control, 1/2"(f)	510441		510441	
Floor stand (3" inlet)	222780	222780	222780	222780
Hydraulic controls*		236865		236865
Outlet hydraulic hose connector 1"(m) x 1-1/2"(f), 1500 psi rated		Not included		Not included

Misc. Information	Senator 19:1	Viscount II 1900	Bulldog 31:1	Viscount II 3100
Pump lower section	246939	246939	246939	246939
Ram plate replacement seals	165601	165601	165601	165601

*Hydraulic controls include hydraulic flow and pressure control, ball valves, 3 ft supply and return hose



19:1 Senator



31:1 Bulldog

Piston Pumps for Ink Applications

Name of Pump	Bulldog 12:1	Viscount II 1200	King® 24:1	Viscount II 2400
Lower size	2100	2100	2100	2100
Maximum fluid pressure	1200 psi (82.8 bar, 8.28 MPa)	1200 psi (82.8 bar, 8.28 MPa)	2400 psi (165 bar, 16.5 MPa)	2400 psi (165 bar, 16.5 MPa)
Maximum motor inlet pressure	100 psi (air) (6.9 bar, 0.69 MPa)	750 psi (oil) (51.7 bar, 5.1 Mpa)	100 psi (air) (6.9 bar, 0.69 Mpa)	1500 psi (oil) (103 bar, 10.3 Mpa)
Flow rate @ 60 cpm	7.5 gpm (28.4 lpm)	7.5 gpm (28.4 lpm)	7.5 gpm (28.4 lpm)	7.5 gpm (28.4 lpm)
Cfm or gpm required per gallon	20 cfm	1.6 gpm (6 lpm)	25 cfm	1.6 gpm (6 lpm)
Fluid pump outlet size	1-1/2" npt (m)	1-1/2" npt (m)	1-1/2" npt (m)	1-1/2" npt (m)
Motor inlet size	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)
Weight of pump	142 lb (65 kg)	196 lb (89 kg)	160 lb (73 kg)	196 lb (89 kg)
Instruction manual	308149	308149	308149	308149

Bin Supply	Bulldog 12:1	Viscount II 1200	King 24:1	Viscount II 2400
Pump	246935	246937	246936	246937
Air controls: FRL, 1/2"	217072		217072	
Air run away control, 3/4"	224040		224040	
Air speed control, 1/2"(f)	510441		510441	
Floor stand (3" inlet)	222780	222780	222780	222780
Hydraulic controls*		236865		236865
Outlet hydraulic hose connector 1"(m) x 1-1/2" (f), 1500 psi rated		Not included		Not included

Misc. Information	Bulldog 12:1	Viscount II 1200	King 24:1	Viscount II 2400
Pump lower section	246934	246934	246934	246934
Ram plate replacement seals	165601	165601	165601	165601

*Hydraulic controls include hydraulic flow and pressure control, ball valves, 3 ft supply and return hose



12:1 Bulldog



Viscount II 2100



24:1 King

Piston Pumps for Ink Applications

Ordering Information and Technical Specifications

Piston Pumps	President® 20:1
Lower size	450
Maximum fluid pressure	2000 psi (140 bar, 14 MPa)
Maximum motor inlet pressure	100 psi (7 bar, 0.7 MPa)
Flow rate @ 60 cpm	1.2 gpm (4.5 lpm)
Cfm or gpm required per gallon	35 cfm
Fluid pump outlet size	3/4" npt (f)
Motor inlet size	1/2" npt (f)
Weight of pump	50 lb (22.7 kg)
Instruction manual	308017

Bin Supply	President 20:1
Pump	246933
Air controls: FRL, 3/8"(f)	110150
Floor stand (3" inlet)	222780
Air run away control, 3/4"(f)	224040
Air speed control 1/2"(f)	510441

Misc. Information	President 20:1
Pump lower section	246932
Ram plate replacement seals	165601



20:1 President