



First choice when
quality counts.™

Fast-Flo® 1:1 Stubby Models



COMPONENTS

Transfer and supply pumps

- **Air-powered for high reliability and low cost**
- **Delivery up to 10 gpm (40 lpm)**
- **Quiet operation – less than 75 dBA at 100 psi (700 kPa, 7 bar) and 40 cycles per minute**
- **Pump is fully groundable**
- **Options available in stainless steel and carbon steel**
- **Plate (flat) check options for lower viscosity fluids**
- **UL options available when installed in accordance with NFPA (National Fire Protection Association) Standards No. 30, Flammable and Combustible Liquids Code, and No. 33 Spray Finishing Using Flammable Materials.**

Fast-Flo 1:1 pumps are designed to operate at air input pressures up to 180 psi (1.2 MPa, 12 bar) and deliver a smooth, reliable flow. Drum length and stubby models are available for either drum transfer or wall mount siphon feed applications. (See Data Sheet 305-807 for drum length models.) Both carbon steel and stainless steel models with various seal configurations allow a variety of non-corrosive and corrosive materials to be pumped. Ball checks or flat check pump configurations are available to accommodate different viscosity materials. All pumps have an air control valve, an air line coupler, and threaded intake valves. An optional air motor piston and valve assembly is available for atmospheric conditions that cause the standard air motor piston seal to swell or wear abnormally.

Typical Fluids Handled

- Anti-freeze
- Windshield washer solvent
- Automatic transmission fluid
- Motor and hydraulic oil
- Light viscosity coatings and finishes
- General chemicals
- Thinners, solvents
- Spray adhesives

Typical Applications

- Transfer from drum to day tank
- Continuous or dead end transfer
- Supply pump for air spray and HVLP (high volume low pressure) spray applications of coatings and wood finishing materials
- Low viscosity spray adhesive supply

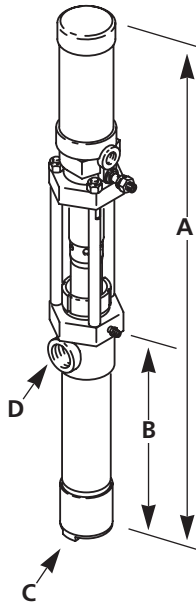
Technical Specifications

Min. operating air pressure 40 psi (280 kPa, 2.8 bar)
 Max. operating air pressure . . 180 psi (1.24 MPa, 12.4 bar)
 Max. fluid working pressure . . 180 psi (1.24 MPa, 12.4 bar)
 Fluid flow at 60 cpm 4 gpm (15 lpm)
 Max. pump operating temperature 120°F (49°C)
 Air inlet size 1/4 npt(f)
 Fluid inlet size (see C below) 1-1/2 npt(f)
 Fluid outlet size (see D below) 3/4 npt(f)
 Weight 11 lb (5 kg)
 Instruction manual 307-427

Dimensions

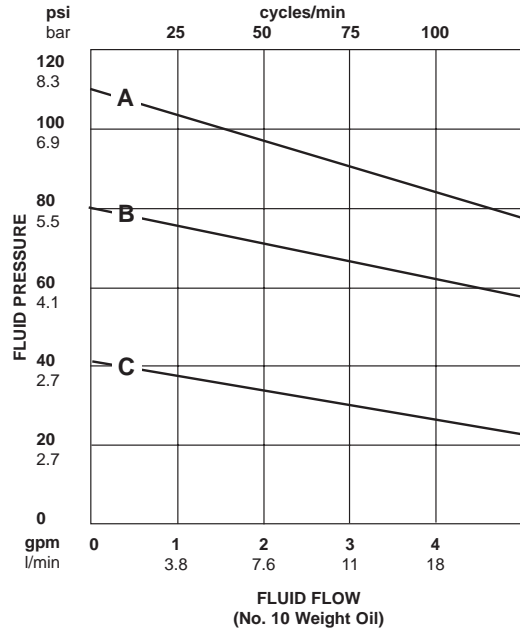
Model Nos:
 226-948, 237-130, 237-131, 226-943, 226-944
 Overall length (see A below) 34 in. (615 mm)
 Pump length (see B below) 7.1 in. (181 mm)

Model Nos:
 226-952, 237-132, 226-945
 Overall length (see A below) 27 in. (685 mm)
 Pump length (see B below) 9.8 in. (250 mm)

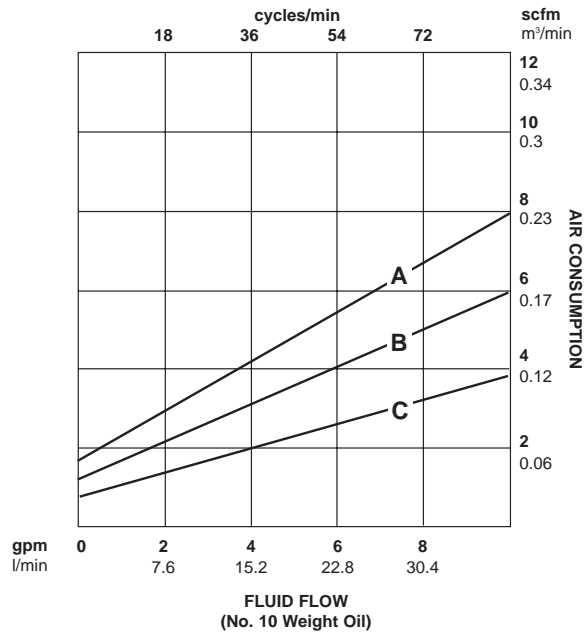


Performance Charts for Fast-Flo 1:1

Fluid Flow



Air Consumption



Air Pressures:

A = 100 psi (0.7 MPa, 7 bar)
 B = 70 psi (0.49 MPa, 4.9 bar)
 C = 40 psi (0.28 MPa, 2.8 bar)

Ordering Information for Fast-Flo 1:1 Stubby Models

— Order Number includes motor and pump lower assembly —

Order Nos.	226-948	226-952	237-130	237-131	237-132	226-943	226-944	226-945
CE-marked							CE	CE
UL-listed						UL	UL	UL

SERVICE KIT INFORMATION

Pump Lower

Part No.	218-114	220-439	237-254	237-255	237-256	215-956	215-957	215-958
Construction	CS	SST	CS	CS	SST	CS	CS	SST
Standard Seal Repair Kits	218-112	218-112	213-012	213-013	213-013	213-012	215-964	215-964
Construction	Rubber	Rubber	Leather	Teflon	Teflon	Leather	Polyethylene	Polyethylene

Optional Seal Repair Kits available: 213-012 (Leather), 213-013 (Teflon), 218-112 (Rubber), 215-964 (Polyethylene)

Note: all of the Standard and Optional Seal Repair Kits are interchangeable with the other pumps.

Motor

220-168: Air Valve Piston Assembly (uses 214-584: Repair Kit)

221-038: Viton Conversion Kit (to use when the pump is in a ketone-rich atmosphere)

SERVICE PARTS INFORMATION

Pump Lower Nos.	218-114	220-439	237-254	237-255	237-256	215-956	215-957	215-958
Displacement Rod	217-189	217-212	217-189	217-189	217-212	217-189	217-189	217-212
Construction	Chrome	Severe Duty*	Chrome	Chrome	Severe Duty*	Chrome	Chrome	Severe Duty*
Cylinder	177-165	172-494	190-063	190-063	172-494	177-165	177-165	172-494
Construction	Zinc	304 SST	Zinc	Zinc	304 SST	Zinc	Zinc	304 SST
Intake Valve (flat/plate style):	217-102	NA	NA	NA	NA	217-102	217-102	—
Intake Valve, order separate part nos.:								
Valve (ball style)	NA	104-586	104-586	104-586	104-586	NA	NA	104-586
Guide	NA	177-230	177-230	177-230	177-230	NA	NA	177-230
Stop Pin	NA	172-399	172-399	172-399	172-399	NA	NA	172-399
Seat	NA	218-427	237-493	218-427	218-427	NA	NA	218-427
Piston Valve:								
Valve (flat/plate style)	177-155	NA	177-155	177-155	NA	177-155	177-155	NA
Valve (ball style)	NA	104-585	NA	NA	104-585	NA	NA	104-585
Seat	177-151	172-495	177-151	177-151	172-495	177-151	177-151	172-495
Stop Pin	NA	172-389	NA	NA	172-389	NA	NA	172-389
Cotter Pin	NA	(2) 100-063	NA	NA	(2) 100-063	NA	NA	(2) 100-063

* Severe Duty is chrome over SST

NA = Not applicable



Accessories for Fast-Flo 1:1 Stubby Models

210-881 Wall Mounting Bracket

CS. See Instruction Manual 307-458.

236-054 Suction Kit

55 gal (210 liter) drum size for use with stubby pumps. Includes check valve. CS. Max. suction rate: 5 gpm (20 lpm).

237-569 Ground Wire and Clamp

Length: 25 ft. (7.6 m).

Bleed-Type Master Air Valve (required)

Max. working pressure: 300 psi (2.1 MPa, 21 bar). Relieves air trapped in the air line before the pump air inlet when valve is closed.

107-141 Inlet and outlet: 3/4 npt(m x f)

107-142 Inlet and outlet: 1/2 npt(m x f)

110-223 Inlet and outlet: 1/4 npt (mbe)

106-149 Air Line Filter

Max. working pressure: 250 psi (1.8 MPa, 18 bar).
Inlet and outlet: 1/2 npt(f).

214-848 Air Line Lubricator

Max. working pressure: 250 psi (1.8 MPa, 18 bar).
Inlet and outlet: 1/2 npt(f).

218-316 Air Regulator Kit

Includes air regulator and air pressure gauge, and air quick coupler. Size: 1/8 in. (3 mm). Working pressure range: 0-60 psi (0-0.42 MPa, 0-4.2 bar).

206-994 Throat Seal Liquid

Solvent for wet-cup. 8 oz. (0.24 liter).

204-574 Pail Cover

Fits two sizes: 10 gallon (40 liter), 16 gallon (60 liter). Pail cover mounts on top of open pail, with mounting holes for Fast-Flo 1:1. Includes thumbscrews and a rubber gasket.

101-078 Y-Line Strainer

Max. working pressure: 500 psi (3.5 MPa, 35 bar).
Ports: 3/4 npt(f). Screen: no. 2 mesh.

206-265 Spout

For directing fluid into pails. CS. Inlet: 3/4 npt.

215-965 Intake Extension Tube

Length: 10.4 in. (265 mm). Screws into bottom 1-1/2 npt(f) thread. CS. See Instruction Manual 307-459.

214-029 Hose and Valve

Hose: max. working pressure: 175 psi (1.2 MPa, 12 bar). Length: 25 ft. (7.6 m). 1/2 npt(m) x 3/4 npt(m). Electrically conductive.
Hi-Flo Valve rated at 15 gpm (57 lpm). Includes cap and chain.