



**FINISH THOMPSON INC.**

## Sealless, Best Value

Provides an economical choice for light duty transfer. Ideal replacement for hand pumps.

**Features:** PP, pure PP/PVDF, or 316SS tubes  
Dual speed adjustable motors  
Tubes interchangeable with motors  
Lightweight & economical  
Built-in hose & cord clips (EFP/EFV only)

**Applications:** Light acids and bases, solvents<sup>†</sup>, plating solutions, sodium hypochlorite, cleaners, coolants, diesel exhaust fluid (DEF)/AdBlue



### Tube Lengths

EFP: 16" (41cm), 27" (69cm), 40" (102cm), 48" (122cm), 54" (137cm)

EFV & EFS: 16" (41cm), 27" (69cm), 40" (102cm), 48" (122cm)

### Construction Specifications

Pump Model	Construction Materials		Tube Dia.	Discharge	Hose Size	Max. Temp.		Min. Temp.	
	Outer Tube	Internals	in (cm)	Size & Type	in (cm)	°F	°C	°F	°C
EFP	Polypropylene	316SS, FKM, PTFE, PP	1-1/4 (3.18)	3/4" Hose Barb	3/4 (1.91)	150	66	0	-18
EFV	Pure Polypropylene/Pure PVDF	Alloy 625, FKM, PTFE, ETFE, PP				160	71	0	-18
EFS	316 Stainless Steel	316SS, FKM, PTFE, ETFE				212	100	0	-18

Consult FTI's Chemical Resistance Chart (<http://www.finishthompson.com/downloads/drum-pumps/technical-flyers>) before selecting pump material.

### Performance Data

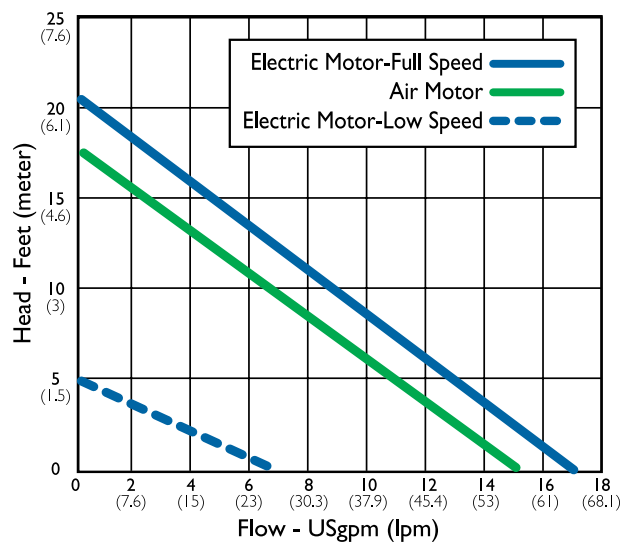
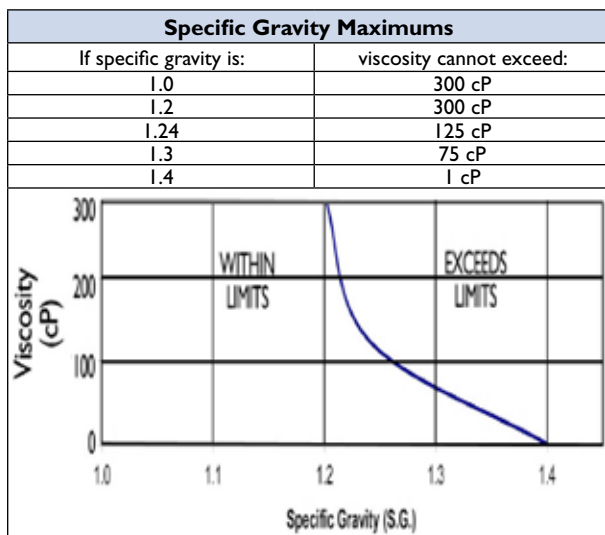
Maximum Flow <sup>1</sup>		Maximum Head <sup>1</sup>		Max. Specific Gravity	Maximum Viscosity	
Electric gpm (lpm)	Air gpm (lpm)	Electric ft (m)	Air ft (m)		Elec.	Air
17 (64.4)	15 (56.8)	20 (6.1)	17 (5.2)	1.4**	300 cP	300 cP

\*\*Max. specific gravity is dependent on fluid viscosity. Refer to Specific Gravity Maximums table & curve below.

### Viscosity Data

Viscosity (cP)	100	200	300
Max Flow gpm (lpm)	7 (26)	5 (19)	4 (14)
Max Head feet (meter)	16 (5)	16 (5)	16 (5)

Note: Viscosity data is based on electric motor at high speed.



When pumping flammables or combustibles, use air drive motors on stainless steel tubes with static protection kit.

<sup>1</sup>All testing performed with water at 68°F (20°C). Actual performance can vary by +/- 10%. Actual performance will decrease with increased fluid viscosity and specific gravity.

\*Pat. US D658,273 S; Pat. US D657,849 S; Pat. ZL 201130042121.X; Pat. ZL 201130042107.X; OHIM Pat. 001839002-0002; OHIM Pat. 001839002-0001



ODP (S1, S2, S3)



Air (S4)

Model	Description	Type	Certification	Electrical Requirements	Power		RPM	Max. Viscosity cP
					HP	W		

### ODP (Open Drip Proof), Splashproof, IP24 Motors

S1	Ergonomic, lightweight design. Continuous duty. Double insulated. 12 ft. (3.5 m) cord w/ plug, circuit breaker, & manual reset.	Universal - Two speed	CSA	115VAC/60 Hz	1/3	250	8,000/14,000	300
S2			CE	230VAC/50-60 Hz	1/3	250	8,000/14,000	300
S3			CE	115VAC/50-60 Hz	1/3	250	8,000/14,000	300

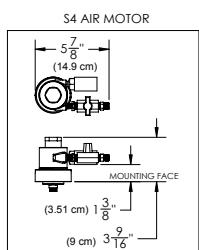
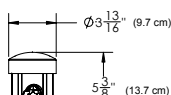
### Air Motors\*

S4**	Lightweight. Operates from customer-supplied compressed air source. Variable speed. Muffler and control valve.	Air	CE	40 psi @ 27 cfm	1/2	370	300-11,000	300
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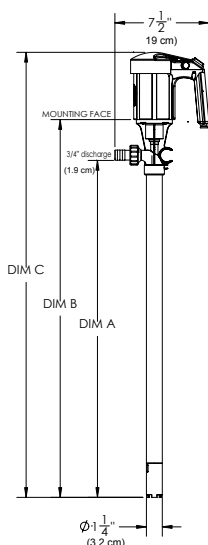
\*An air motor is a non-electrical device which means the possibility of explosion from igniting flammables or combustibles is reduced. Air motor performance will depend upon user's compressor and system setup.

\*\*Motor suitable for hazardous areas that do not require independent certification.

## Dimensions



MODEL	DIM A	DIM B	DIM C
EF16	16" (41 cm)	19 1/4" (49 cm)	24 5/8" (63 cm)
EF27	27" (63 cm)	30 1/4" (77 cm)	35 5/8" (91 cm)
EF40	40" (102 cm)	43 1/4" (110 cm)	48 5/8" (124 cm)
EF48	48" (122 cm)	51 1/4" (130 cm)	56 5/8" (144 cm)



## Accessories



### Dispensing Nozzle

Polypro/316SS nozzle with 3/4" hose barb - P/N A101497-1



### Dispensing Nozzle

Stainless steel /FKM nozzle with 3/4" hose barb - P/N 107231



### Bung Adapter

Stainless Steel, P/N 107426



### Bung Adapter

Polypropylene, P/N 107425



### Discharge Hose

Reinforced PVC, 5 ft. length, 3/4" ID x 1" OD, P/N 107435  
EPDM hose, 8 ft. length, 3/4" ID x 1.13" OD, P/N 107446



### Static Protection Kit

4 ft. synthetic rubber cross-linked polyethylene grounded hose with brass fittings with 3/4" MNPT, ground wire, and clamps - P/N 107429

Need help choosing a pump? Use the handy online Pump Selector at: [www.finishthompson.com](http://www.finishthompson.com).

