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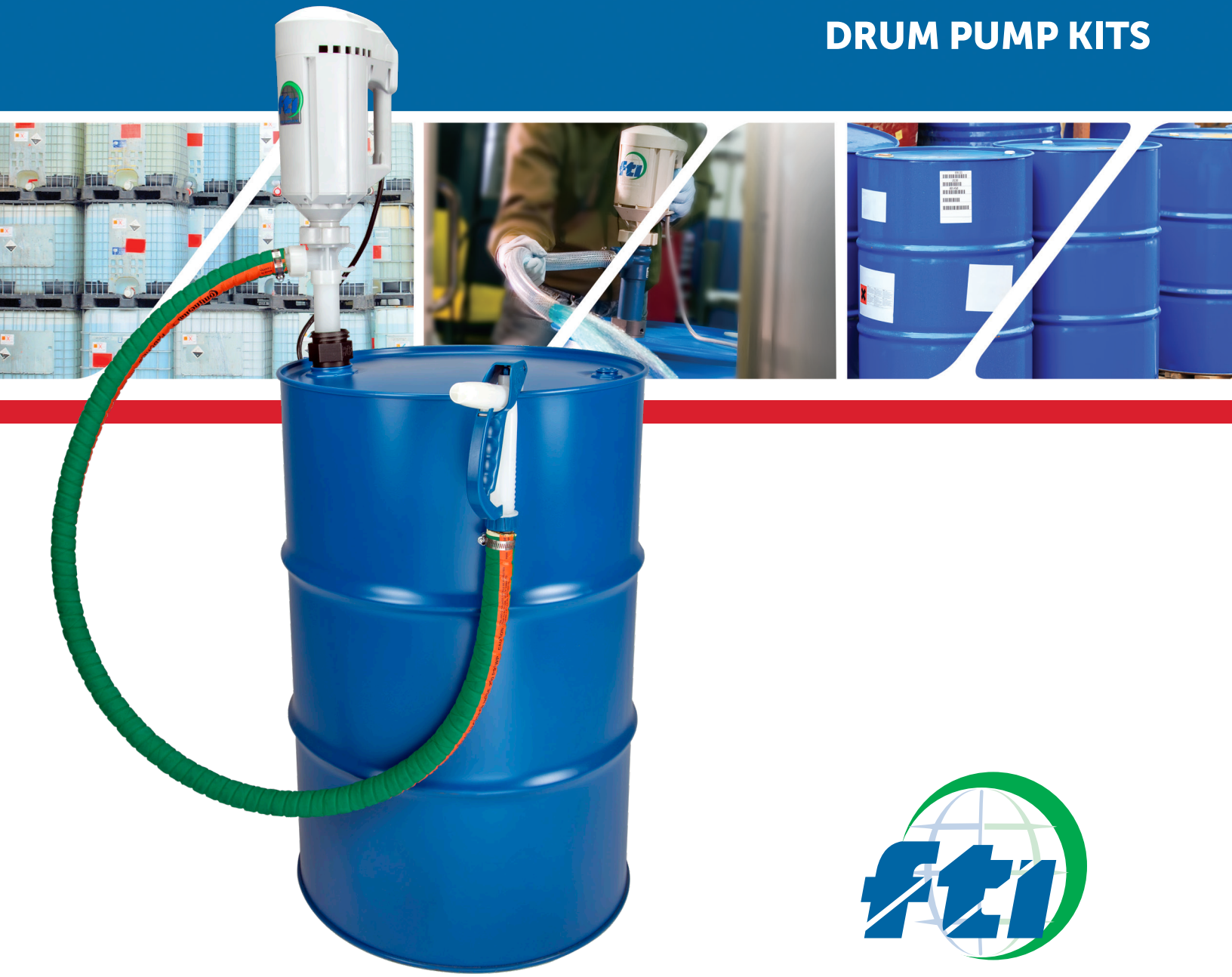
DRUM/BARREL PUMPS
DRUM PUMP KITS

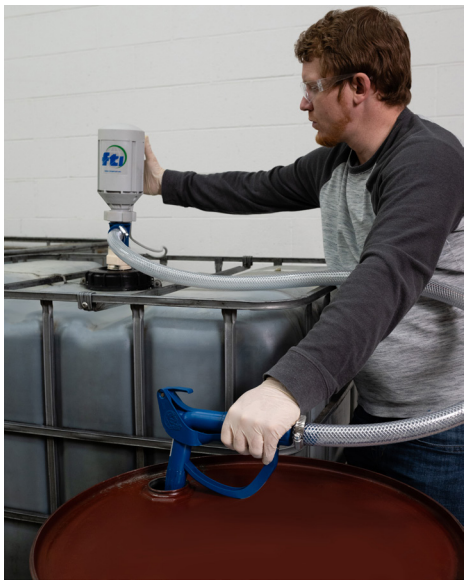


FINISH THOMPSON INC.

finishthompson.com

PUMPING SOLUTIONS AROUND THE WORLD

DRUM PUMP KITS



Finish Thompson offers engineered drum pump solutions based on specific classes of chemicals, container types and flow ranges.

Kits contain everything in one convenient carton.

INCLUDES:

- Drum pump tube
- Motor
- Discharge tubing
- Nozzle
- Wall bracket
- Additional accessories depending upon model

Benefits of Powered Pumps

Powered container transfer pumps offer multiple benefits:

Risk reduction - Designed to withstand harsh chemicals and keep them safely contained during transfers, effectively mitigating employee and company risk.

Versatility - Available in models for high and low volume transfer, various levels of specific gravity/viscosity and diverse chemical-handling capabilities, for a full range of pumping solutions.

Portability - Easily transported for various tasks throughout a facility, with minimal footprint to conserve space or for use in smaller settings.

Speed - Able to transfer high volumes of fluids quickly and effectively to improve productivity and boost the bottom line.

Durability - Offering longevity and low maintenance throughout an extended lifespan, reducing cost and operating smoothly for prolonged periods – even under harsh conditions.

Motor Types

- **Splash-proof/open drip proof (IP24)** - Economical and lighter weight than other electric motors, they are protected in every direction from water splashes. Depending upon kit type, they are either variable speed or two speed to allow for precise dispensing of the fluid.

- **Enclosed/TEFC (IP54/55)** - This type is sealed against water splashes, dust and corrosive fumes. Best choice for use with fuming chemicals and dusty environments. Features variable speed solid state control with chemical resistant touch pad for precise fluid dispensing and superior motor protection against overload and over temperature.

- **Explosion-proof (IP54/55)** - This style is sealed against corrosive fumes, water splashes, and dust. Has the added benefit of being appropriate for hazardous areas and are suitable for use with flammable or combustible liquids. Features variable speed solid state control with chemical resistant touch pad for precise fluid dispensing and superior motor protection against overload and over temperature.

- **Air** - This motor style is compact and lightweight compared to electric motors. Because this type of motor offers non-electrical operation, they are generally considered acceptable for use in hazardous areas and for use with flammable or combustible liquids. Included air flow adjustment valve allows for variable speed.

- **Lithium-ion battery (IP24)** - The ultimate in portability and convenience, the cordless design makes it easy to transfer fluids virtually anywhere. Can pump up to 450 gallons (1,703 liters) on a single charge. Two speeds to allow for precise dispensing of the fluid.

DRUM PUMP KITS

Hose Types

- **Fiber Reinforced PVC** - Features broad chemical resistance including alkalis and weak acids, excellent abrasion resistance and is very flexible. High tensile strength polyester reinforcing mesh for outstanding strength.

- **Ultra-high molecular weight polyethylene (UHMWPE)** - Features outstanding chemical resistance against most chemicals including extremely aggressive ones. The cover is EPDM and the reinforcement is spiral-plied synthetic fabric with double wire helix.

- **Conductive ultra-high molecular weight polyethylene (UHMWPE)** - Features outstanding chemical compatibility against a wide range of solvents. Inner tube is conductive UHMWPE, cover is conductive EPDM and the reinforcement is spiral-plied synthetic fabric with double wire helix.

- **EPDM for Diesel Exhaust Fluid (DEF)/AdBlue** - DEF/AdBlue is a key component of selective catalytic reduction (SCR) systems, which help diesel vehicles meet stringent emission regulations. Hose features a compound that is specially formulated with low extraction EPDM and peroxide cured to provide superior extraction levels to significantly reduce contamination.

- **FDA Compliant Nitrile Rubber/Buna-N** - Features FDA Compliant white nitrile rubber/Buna-N inner tube with a super abrasion and oil-resistant cover with spiral synthetic yarn reinforcement and Microban® antimicrobial protection.

- **Nozzles** - Nozzles allow precise control of liquid flow. Most of the kits feature plastic nozzles designed and manufactured by Finish Thompson. They are molded from chemical-resistant unfilled polypropylene or PVDF plastics and have no wetted metallic parts. The mineral oil and flammable liquid kits feature an aluminum nozzle.

- **Bung Adapters** - A bung adapter helps keep the pump tube and motor in an upright position in the container.

- **Wall Hanger** - Wall hangers allow the pump to be stored out of the way in an upright position when not in use.

- **Container Size to Pump Tube Length** - The size of the container affects the length of the pump tube required for the application.
  - 30/55-gallon (120/200 liter) Drums/barrels = 40" (102cm) tube length
  - 275-gallon (1,040 liter) IBCs/totes = 48" (122cm) tube length

TABLE OF CONTENTS:

- Non-Corrosive to Mildly Corrosive Liquids 4-5
- Corrosive Liquids 6-7
- Extremely Corrosive Liquids 8
- Water Treatment Chemicals 9
- Mineral Oil 10
- Flammable Liquid 11-12
- Diesel Exhaust Fluid (DEF) / AdBlue 13
- FDA Compliant Materials 14-15

NON-CORROSIVE TO MILDLY CORROSIVE LIQUIDS - MEDIUM VOLUME TRANSFER EF SERIES KITS

APPLICATIONS

Cleaners, detergents, fabric softners, machine shop coolants, antifreeze and more

FEATURES

- Polypropylene tube with FKM elastomers
- 316 stainless steel shaft
- Built-in strainer
- Polypropylene nozzle
- 5 feet flexible reinforced PVC hose
- Molded wall mount for pump storage
- Choice of 115-volt or 230-volt 2 speed electric, 2 speed 12-volt lithium-ion battery or air drive motor

PERFORMANCE DATA

Maximum Flow[1]			Maximum Head[1]			Max. Specific Gravity[‡]	Maximum Viscosity		
Elec. gpm (lpm)	Air gpm (lpm)	12V gpm (lpm)	Elec. ft (m)	Air ft (m)	12V ft (m)		Elec.	Air	12V
17 (64.4)	15 (56.8)	14 (53.0)	20 (6.1)	17 (5.2)	13 (4.0)	1.6	300 cP	300 cP	100 cP

[1]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.

[‡]Max. specific gravity is dependent on fluid viscosity. Refer to Specific Gravity Maximums table & curve below.

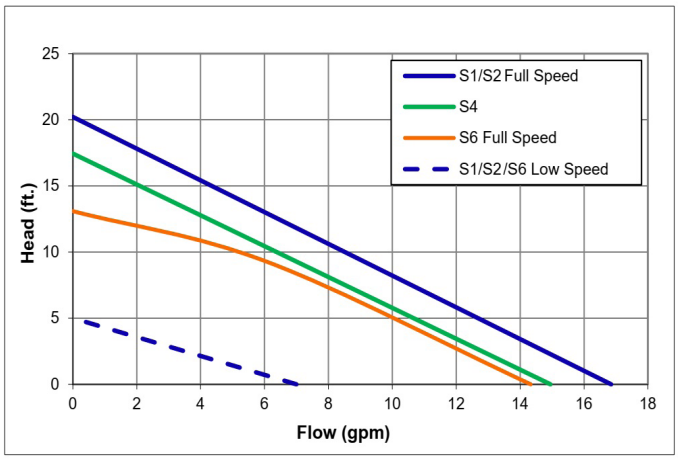
VISCOSITY DATA

Electric/Air Motor			
Viscosity (cP)	100	200	300
Max Flow gpm (lpm)	7 (26)	5 (19)	4 (14)
Max Head ft (m)	16 (5)	16 (5)	16 (5)

12V Motor		
Viscosity (cP)	50	100
Max Flow gpm (lpm)	7 (26)	3 (11)
Max Head ft (m)	11 (3)	14 (4)

Note: Viscosity data is based on motors operating at high speed.

Maximum Performance Limits		
High Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2, S4	S6
1.0	300 cP	100 cP
1.1	300 cP	50 cP
1.2	125 cP	1 cP
1.6	1 cP	-
Low Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2	S6
1.0	100 cP	25 cP
1.2	75 cP	25 cP
1.6	1 cP	25 cP



Kit Number	Tube Length	Motor Type
DEFP075	40" (102 cm)	2 Speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DEFP078	40" (102 cm)	2 Speed, 230-volt 50/60 Hz, electric, ODP/IP24, QPS
DEFP076	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ USA plug charger, CE
DEFP079	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ EU plug charger, CE
DEFP080	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ 12v car adapter, CE
DEFP077	40" (102 cm)	Variable speed air motor, air requirements = 40 psi @ 27 cfm

NON-CORROSIVE TO MILDLY CORROSIVE LIQUIDS - HIGH VOLUME TRANSFER PF SERIES KITS

APPLICATIONS

Cleaners, detergents, fabric softners, machine shop coolants, antifreeze and more

FEATURES

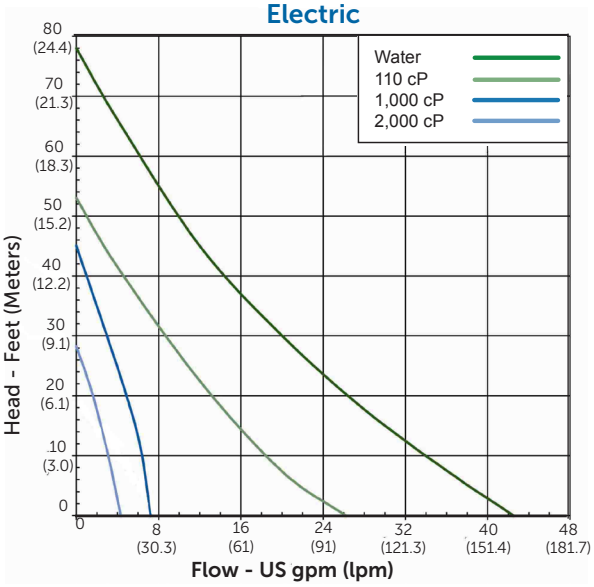
- Polypropylene tube with FKM elastomers
- 316 stainless steel shaft
- 6-feet flexible reinforced PVC hose
- Polypropylene nozzle
- Wall mount for pump storage
- Bung adapter
- Choice of 115-volt or 230-volt electric, or air drive motor

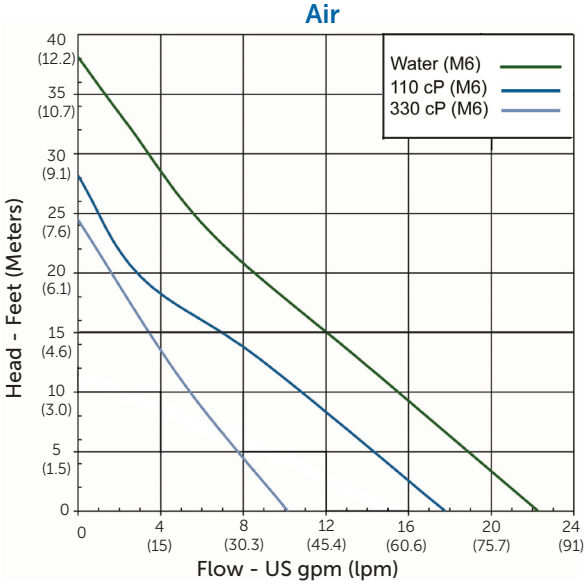
PERFORMANCE DATA

Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]	Maximum Viscosity	
Elec. gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)		Elec.	Air
40 (151)	22 (83)	80 (24)	38 (11.6)	1.8	500 cP	330 cP

VISCOSITY DATA

Viscosity (cP)	100	250	500
Max Flow gpm (lpm)	24 (91)	16 (61)	11 (42)
Max Head ft (m)	52 (16)	51 (16)	48 (15)





Kit Number	Tube Length	Motor Type
DPFM035	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DPFM036	48" (122 cm)	Variable speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DPFM037	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DPFM038	48" (122 cm)	Variable speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DPFM039	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE
DPFM040	48" (122 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

CORROSIVE LIQUIDS - MEDIUM VOLUME TRANSFER EF SERIES KITS

APPLICATIONS

Acids, bases, plating solutions, water treatment chemicals like sodium hypochlorite

FEATURES

- Pure polypropylene/PVDF tube with FKM elastomers and Alloy 625 shaft
- Built-in strainer
- 5-feet ultra-high molecular weight polyethylene hose
- PVDF nozzle
- Molded wall mount for pump storage
- Choice of 115-volt or 230-volt 2 speed electric, 2 speed 12-volt lithium-ion battery or air drive motor

PERFORMANCE DATA

Maximum Flow[1]			Maximum Head[1]			Max. Specific Gravity[‡]	Maximum Viscosity		
Elec. gpm (lpm)	Air gpm (lpm)	12V gpm (lpm)	Elec. ft (m)	Air ft (m)	12V ft (m)		Elec.	Air	12V
17 (64.4)	15 (56.8)	14 (53.0)	20 (6.1)	17 (5.2)	13 (4.0)	1.6	300 cP	300 cP	100 cP

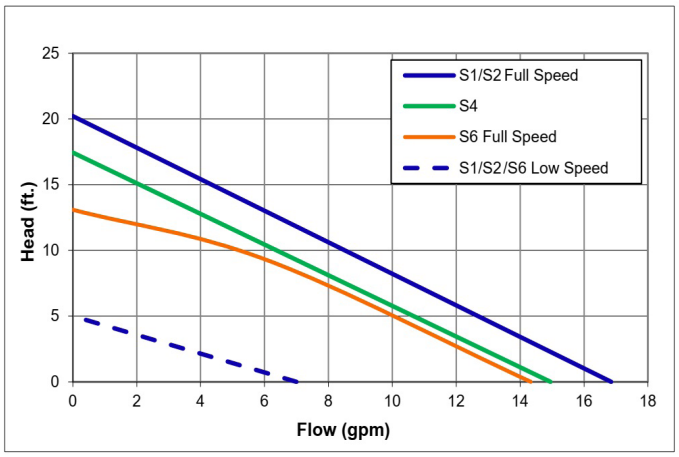
VISCOSITY DATA

Electric/Air Motor			
Viscosity (cP)	100	200	300
Max Flow gpm (lpm)	7 (26)	5 (19)	4 (14)
Max Head ft (m)	16 (5)	16 (5)	16 (5)

12V Motor		
Viscosity (cP)	50	100
Max Flow gpm (lpm)	7 (26)	3 (11)
Max Head ft (m)	11 (3)	14 (4)

Note: Viscosity data is based on motors operating at high speed.

Maximum Performance Limits		
High Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2, S4	S6
1.0	300 cP	100 cP
1.1	300 cP	50 cP
1.2	125 cP	1 cP
1.6	1 cP	-
Low Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2	S6
1.0	100 cP	25 cP
1.2	75 cP	25 cP
1.6	1 cP	25 cP



Kit Number	Tube Length	Motor Type
DEFV043	40" (102 cm)	2 Speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DEFV046	40" (102 cm)	2 Speed, 230-volt 50/60 Hz, electric, ODP/IP24, QPS
DEFV044	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ USA plug charger, CE
DEFV047	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ EU plug charger, CE
DEFV048	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ 12v car adapter, CE
DEFV045	40" (102 cm)	Variable speed air motor, air requirements = 40 psi @ 27 cfm

CORROSIVE LIQUIDS - HIGH VOLUME TRANSFER PF SERIES KITS

APPLICATIONS

Acids, bases, plating solutions

FEATURES

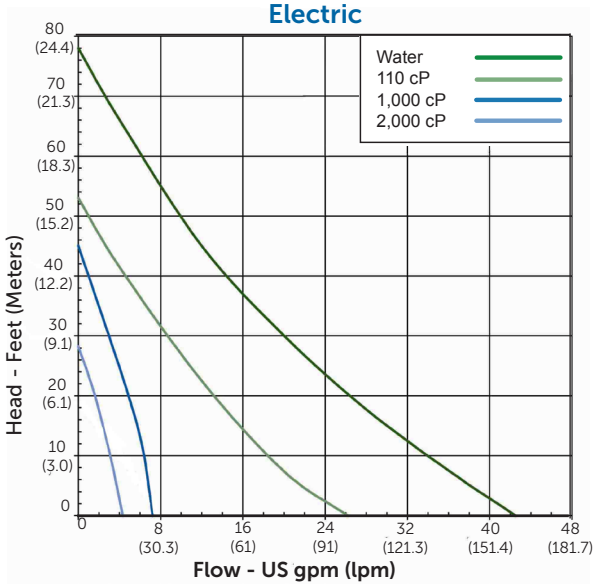
- Polypropylene tube with FKM elastomers and Alloy 625 shaft
- 6-feet flexible reinforced PVC hose
- Polypropylene nozzle
- Wall mount for pump storage
- Bung adapter
- Choice of 115-volt or 230-volt electric, or air drive motor

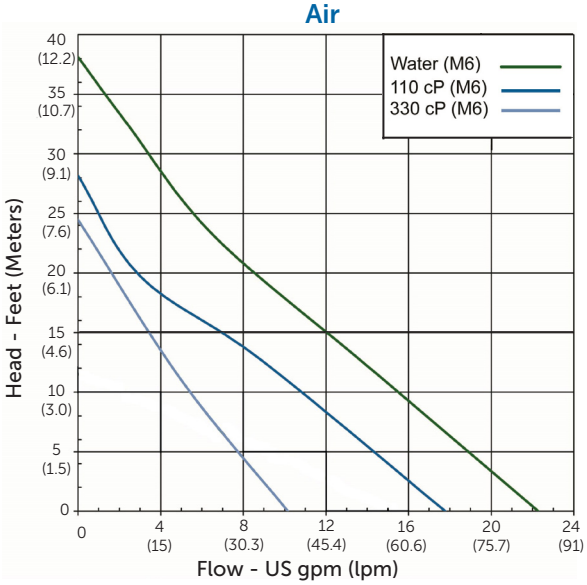
PERFORMANCE DATA

Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]	Maximum Viscosity	
Elec. gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)		Elec.	Air
40 (151)	22 (83)	80 (24)	38 (11.6)	1.8	500 cP	330 cP

VISCOSITY DATA

Viscosity (cP)	100	250	500
Max Flow gpm (lpm)	24 (91)	16 (61)	11 (42)
Max Head ft (m)	52 (16)	51 (16)	48 (15)





Kit Number	Tube Length	Motor Type
DPFP059	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DPFP060	48" (122 cm)	Variable speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DPFP063	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DPFP064	48" (122 cm)	Variable speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DPFP061	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE
DPFP062	48" (122 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

EXTREMELY CORROSIVE LIQUIDS - HIGH VOLUME TRANSFER PF SERIES KITS

APPLICATIONS

Chromic, 60%+ sulfuric, nitric and hydrofluoric acids, hydrogen peroxide, sodium hypochlorite

FEATURES

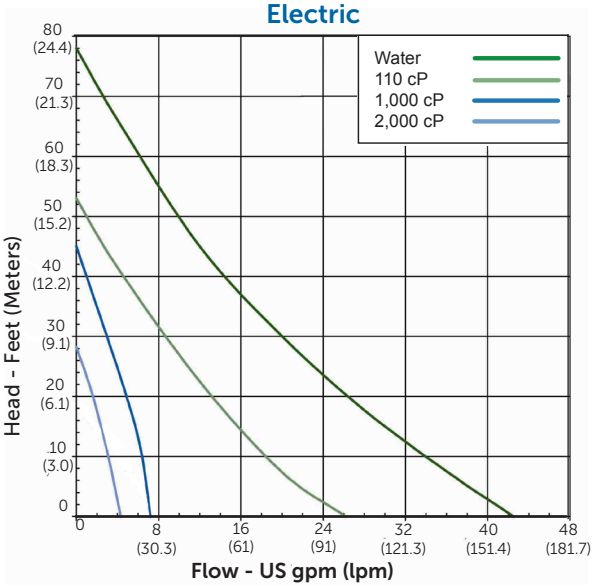
- Pure PVDF tube with FKM elastomers and Alloy 625 shaft
- 6-feet ultra-high molecular weight polyethylene hose
- PVDF nozzle
- Wall mount for pump storage
- Bung adapter
- Choice of 115-volt or 230-volt electric, or air drive motor

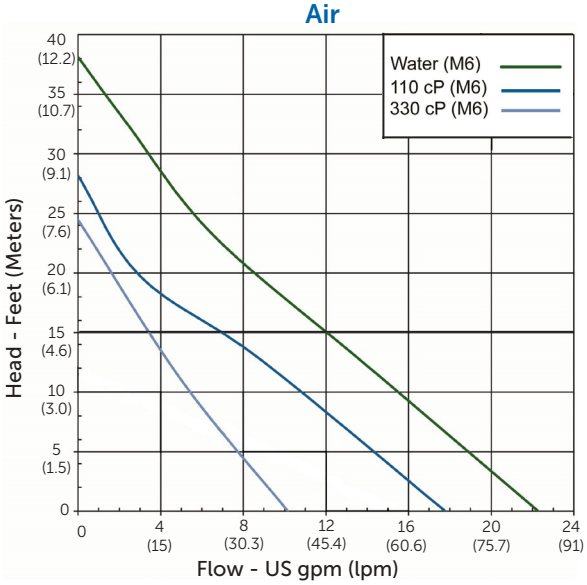
PERFORMANCE DATA

Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]	Maximum Viscosity	
Elec. gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)		Elec.	Air
40 (151)	22 (83)	80 (24)	38 (11.6)	1.8	2,000 cP	330 cP

VISCOSITY DATA

Viscosity (cP)	100	250	500	1000	2000
Max Flow gpm (lpm)	24 (91)	16 (61)	11 (42)	7 (26)	4 (15)
Max Head ft (m)	52 (16)	51 (16)	48 (15)	45 (14)	28 (9)





Kit Number	Tube Length	Motor Type
DPFV034	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, QPS
DPFV035	48" (122 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, QPS
DPFV038	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, CE
DPFV039	48" (122 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, CE
DPFV036	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE
DPFV037	48" (122 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

WATER TREATMENT CHEMICALS - HIGH VOLUME TRANSFER SF SERIES KITS

(for medium transfer see "Corrosive Liquids - Medium Volume Transfer Kits")

APPLICATIONS

Aluminum sulfate, ferric chloride, hydrochloric acid, hydrofluosilicic acid, PAC, permanganates, sodium bisulfate, sodium hypochlorite

FEATURES

- Pure polypropylene/PVDF tube with FKM elastomers
- Alloy 625 shaft
- Built in strainer
- 6-feet ultra-high molecular weight polyethylene hose
- PVDF nozzle
- Wall mount for pump storage
- Bung adapter
- Choice of 115-volt or 230-volt electric, or air drive motor

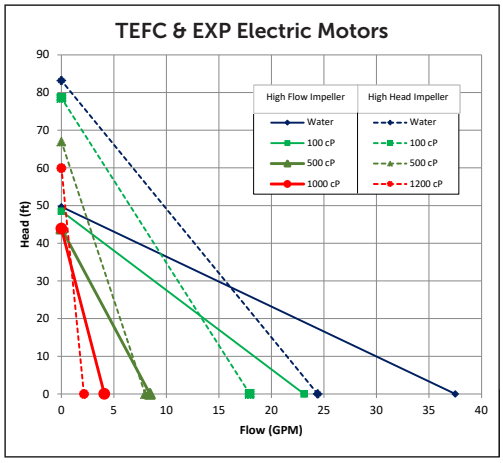
PERFORMANCE DATA

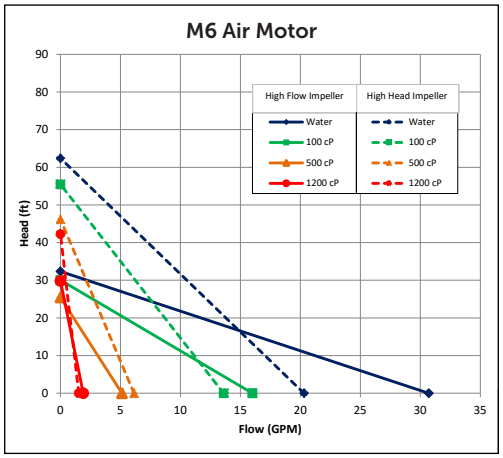
Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]		Maximum Viscosity	
Elec. gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)	Elec.	Air	Elec.	Air
37 (140)	31 (117)	50 (15)	32 (10)	1.84	2.0	1,000 cP	1200 cP

VISCOSITY DATA

Viscosity (cP)	100	500	1000	1,200
Max Flow gpm (lpm)	23 (87)	8 (30)	4 (15)	2 (8)
Max Head ft (m)	48 (15)	44 (13)	44 (13)	37 (11)

Note: Electric motors up to 1,000 cP.
Air motors up to 1,200 cP.





Kit Number	Tube Length	Motor Type
DSFV017	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, QPS
DSFV018	48" (122 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, QPS
DSFV019	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, CE
DSFV020	48" (122 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, CE
DSFV021	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE
DSFV022	48" (122 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

MINERAL OIL - MEDIUM VOLUME TRANSFER EF SERIES KITS

APPLICATIONS

Mineral oils, cleaners, detergents, fabric softeners, machine shop coolants, antifreeze and more

FEATURES

- 316 stainless steel tube with FKM elastomers
- 316 stainless steel shaft
- 5-feet flexible reinforced PVC hose
- Aluminum nozzle
- Molded wall mount for pump storage
- Choice of 115-volt or 230-volt 2 speed electric, 2 speed 12-volt lithium-ion battery or air drive motor

PERFORMANCE DATA

Maximum Flow[1]			Maximum Head[1]			Max. Specific Gravity[‡]	Maximum Viscosity		
Elec. gpm (lpm)	Air gpm (lpm)	12V gpm (lpm)	Elec. ft (m)	Air ft (m)	12V ft (m)		Elec.	Air	12V
17 (64.4)	15 (56.8)	14 (53.0)	20 (6.1)	17 (5.2)	13 (4.0)	1.6	300 cP	300 cP	100 cP

[1]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.

[‡]Max. specific gravity is dependent on fluid viscosity. Refer to Specific Gravity Maximums table & curve below.

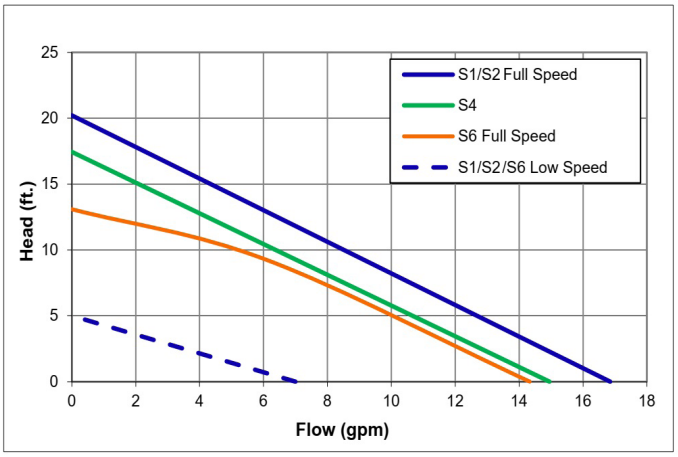
VISCOSITY DATA

Electric/Air Motor			
Viscosity (cP)	100	200	300
Max Flow gpm (lpm)	7 (26)	5 (19)	4 (14)
Max Head ft (m)	16 (5)	16 (5)	16 (5)

12V Motor		
Viscosity (cP)	50	100
Max Flow gpm (lpm)	7 (26)	3 (11)
Max Head ft (m)	11 (3)	14 (4)

Note: Viscosity data is based on motors operating at high speed.

Maximum Performance Limits		
High Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2, S4	S6
1.0	300 cP	100 cP
1.1	300 cP	50 cP
1.2	125 cP	1 cP
1.6	1 cP	-
Low Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2	S6
1.0	100 cP	25 cP
1.2	75 cP	25 cP
1.6	1 cP	25 cP



Kit Number	Tube Length	Motor Type
DEFS106	40" (102 cm)	2 Speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DEFS109	40" (102 cm)	2 Speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DEFS107	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ USA plug charger, CE
DEFS110	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ EU plug charger, CE
DEFS111	40" (102 cm)	2 Speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ 12v car adapter, CE
DEFS108	40" (102 cm)	Variable speed air motor, air requirements = 40 psi @ 27 cfm

FLAMMABLE LIQUID - MEDIUM VOLUME TRANSFER EF SERIES KITS

APPLICATIONS

Alcohols, toluene, xylene, acetone, methyl ethyl ketone (MEK), lacquer thinner

FEATURES

- 316 stainless steel tube with FFKM elastomers for outstanding chemical compatibility with a wide range of solvents
- 316 stainless steel shaft
- 5-feet conductive solvent resistant ultra-high molecular weight polyethylene (UHMWPE) hose
- Grounding cable
- Aluminum nozzle
- Wall mount for pump storage
- Air drive motor

PERFORMANCE DATA

Maximum Flow[1]	Maximum Head[1]	Max. Specific Gravity[‡]	Maximum Viscosity
Air gpm (lpm)	Air ft (m)		Air
15 (56.8)	17 (5.2)	1.6	300 cP

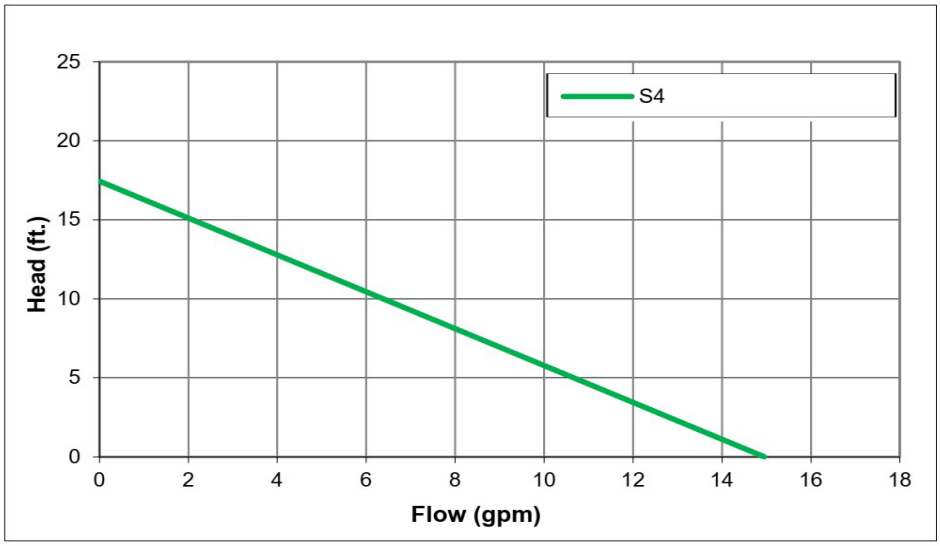
[1]All testing performed with water at 68°F (20°C). Actual performance can vary by +/- 10%. Actual performance will decrease with increased fluid viscosity and specific gravity.

[‡]Max. specific gravity is dependent on fluid viscosity. Refer to Specific Gravity Maximums table & curve below.

VISCOSITY DATA

Electric/Air Motor			
Viscosity (cP)	100	200	300
Max Flow gpm (lpm)	7 (26)	5 (19)	4 (14)
Max Head ft (m)	16 (5)	16 (5)	16 (5)

Note: Viscosity data is based on motors operating at high speed.



Kit Number	Tube Length	Motor Type
DEFS112	40" (102 cm)	Variable speed air motor, air requirements = 40 psi @ 27 cfm, CE

FLAMMABLE LIQUID - HIGH VOLUME TRANSFER PF SERIES KITS

APPLICATIONS

Alcohols, toluene, xylene, acetone, methyl ethyl ketone (MEK), lacquer thinner

FEATURES

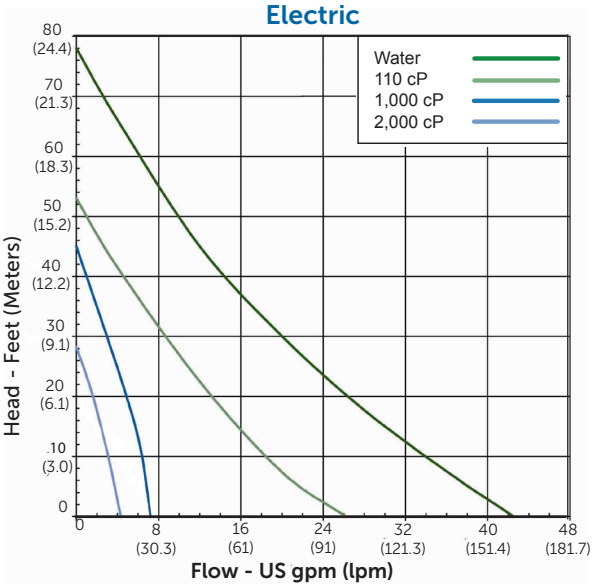
- 316 stainless steel tube with FFKM elastomers for outstanding chemical compatibility with a wide range of solvents
- 316 stainless steel shaft
- Grounding cable
- Aluminum nozzle
- 6-feet conductive solvent resistant ultra-high molecular weight polyethylene (UHMWPE) hose
- Wall mount for pump storage
- Bung adapter
- Choice of 115-volt or 230-volt explosion proof electric, or air drive motor

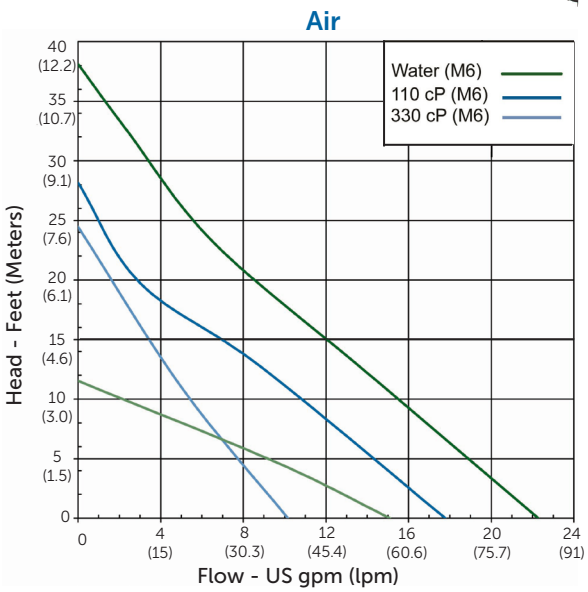
PERFORMANCE DATA

Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]	Maximum Viscosity	
Elec. gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)		Elec.	Air
40 (151)	22 (83)	80 (24)	38 (11.6)	1.8	2,000 cP	330 cP

VISCOSITY DATA

Viscosity (cP)	100	250	500	1000	2000
Max Flow gpm (lpm)	24 (91)	16 (61)	11 (42)	7 (26)	4 (15)
Max Head ft (m)	52 (16)	51 (16)	48 (15)	45 (14)	28 (9)





Kit Number	Tube Length	Motor Type
DPFS168	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, explosion proof, Class I, Div. 1, Gr D, T4, QPS
DPFS169	48" (122 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, explosion proof, Class I, Div. 1, Gr D, T4, QPS
DPFS170	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, explosion proof, CE/ATEX/IECEx Ex II 2G Ex db ib IIB T5 Gb
DPFS171	48" (122 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, explosion proof, CE/ATEX/IECEx Ex II 2G Ex db ib IIB T5 Gb
DPFS172	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE
DPFS173	48" (122 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

DIESEL EXHAUST FLUID (DEF) / ADBLUE - MEDIUM VOLUME TRANSFER EF SERIES KITS

Provides economical, safe transfer from a variety of containers into the vehicle's on-board storage tank while maintaining the strict purity requirements for DEF/AdBlue (ISO 22241-3).

FEATURES

- Polypropylene tube with EPDM elastomers
- 316 stainless steel shaft
- 8-feet flexible EPDM DEF rated hose
- Polypropylene nozzle with 3/4"/19mm spout
- Special sealed bung adapter prevents dust, dirt and other contaminants from entering the drum
- Molded wall mount for pump storage
- Choice of 115-volt or 230-volt 2 speed electric, 2 speed 12-volt lithium-ion battery or air drive motor

PERFORMANCE DATA

Maximum Flow[1]			Maximum Head[1]			Max. Specific Gravity[‡]	Maximum Viscosity		
Elec. gpm (lpm)	Air gpm (lpm)	12V gpm (lpm)	Elec. ft (m)	Air ft (m)	12V ft (m)		Elec.	Air	12V
17 (64.4)	15 (56.8)	14 (53.0)	20 (6.1)	17 (5.2)	13 (4.0)	1.6	300 cP	300 cP	100 cP

[1]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.

[‡]Max. specific gravity is dependent on fluid viscosity. Refer to Specific Gravity Maximums table & curve below.

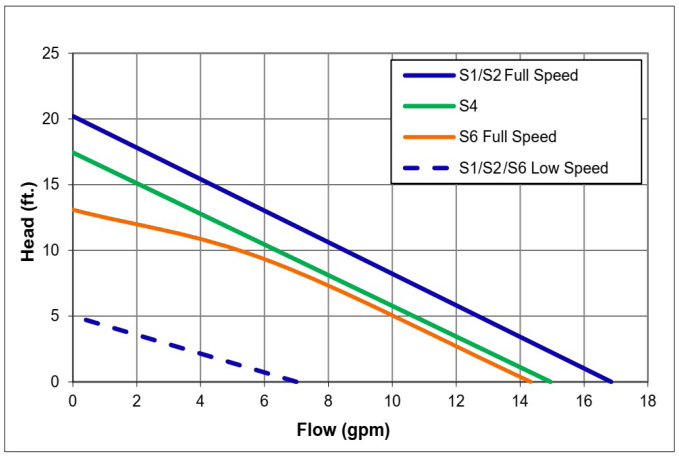
VISCOSITY DATA

Electric/Air Motor			
Viscosity (cP)	100	200	300
Max Flow gpm (lpm)	7 (26)	5 (19)	4 (14)
Max Head ft (m)	16 (5)	16 (5)	16 (5)

12V Motor		
Viscosity (cP)	50	100
Max Flow gpm (lpm)	7 (26)	3 (11)
Max Head ft (m)	11 (3)	14 (4)

Note: Viscosity data is based on motors operating at high speed.

Maximum Performance Limits		
High Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2, S4	S6
1.0	300 cP	100 cP
1.1	300 cP	50 cP
1.2	125 cP	1 cP
1.6	1 cP	-
Low Speed Motor Setting		
If specific gravity is:	viscosity cannot exceed:	
	S1, S2	S6
1.0	100 cP	25 cP
1.2	75 cP	25 cP
1.6	1 cP	25 cP



Kit Number	Tube Length	Motor Type
DEFP081	40" (102 cm)	2 speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DEFP082	40" (102 cm)	2 speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DEFP083	40" (102 cm)	2 speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ USA plug charger, CE
DEFP084	40" (102 cm)	2 speed, 12-volt cordless lithium-ion battery, ODP/IP24 with EU plug charger, CE
DEFP085	40" (102 cm)	2 speed, 12-volt cordless lithium-ion battery, ODP/IP24 w/ 12v car adapter, CE

FDA COMPLIANT MATERIALS - MEDIUM VOLUME TRANSFER TT SERIES KITS

FDA-compliant (non-sanitary) pumps are specifically constructed of materials safe for food, beverage, pharmaceutical and cosmetic processes where 3A or USDA standards are not required.

FEATURES

- Features 316 stainless steel tube with hex nut design which allows the lower tube to be easily removed (nut contains FDA neoprene gasket)
- PTFE internals
- 316 stainless steel shaft
- 1" Tri-Clamp connection
- 6-feet flexible FDA compliant hose w/ nitrile inner and oil resistant w/Microban outer jacket
- 1" Tri-clamp x 1" hose barb with clamp and FDA Buna gasket
- FDA polypropylene nozzle with FDA Buna O-rings
- Wall mount for pump storage
- Bung adapter
- Choice of 115-volt or 230-volt, or air drive motor

PERFORMANCE DATA

Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]	Maximum Viscosity	
Elec. gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)		Elec.	Air
10 (38)	16 (61)	10 (3)	30 (9)	1.8	50 cP	2,000 cP

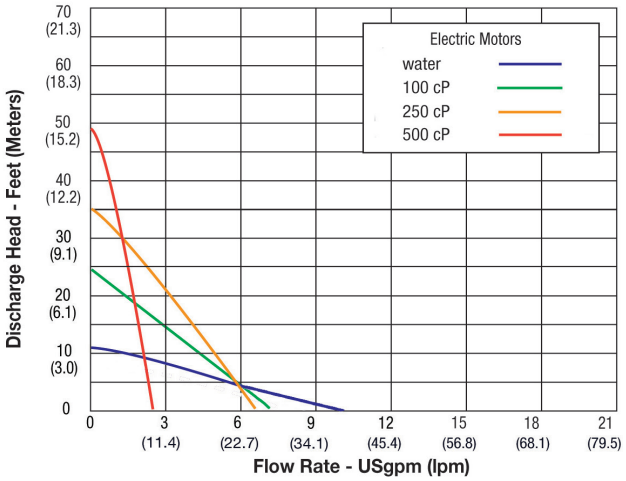
*All testing performed with water at 68°F (20°C). Actual performance can vary by +/- 10%. Actual performance will decrease with increased fluid viscosity and specific gravity.

VISCOSITY DATA

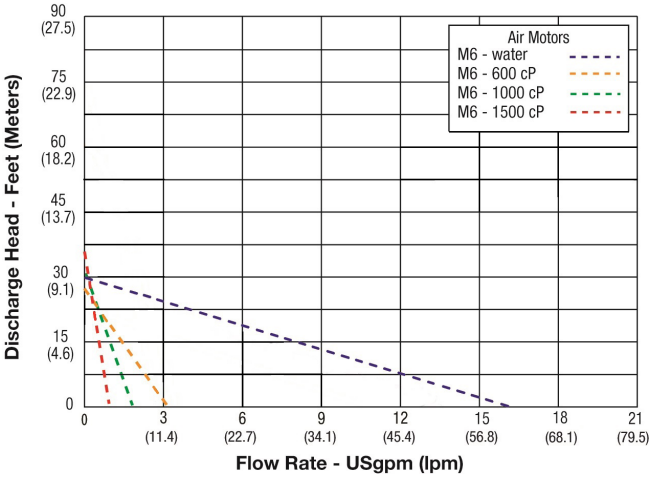
Viscosity (cP)	100	250	500	1000	2000
Max Flow gpm (lpm)	7 (26)	6 (23)	3 (11)	4 (15)	3 (11)
Max Head ft (m)	25 (8)	35 (11)	48 (15)	60 (18)	73 (32)

Note: Electric motors: 100-500 cP. M6X: 500-2,000 cP

Electric



Air



Kit Number	Tube Length	Motor Type
DTTU014	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, TEFC/IP55, QPS
DTTU015	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, TEFC/IP55, CE
DTTU016	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

FDA COMPLIANT MATERIALS - HIGH VOLUME TRANSFER PF SERIES KITS

FDA-compliant (non-sanitary) pumps are specifically constructed of materials safe for food, beverage, pharmaceutical and cosmetic processes where 3A or USDA standards are not required.

FEATURES

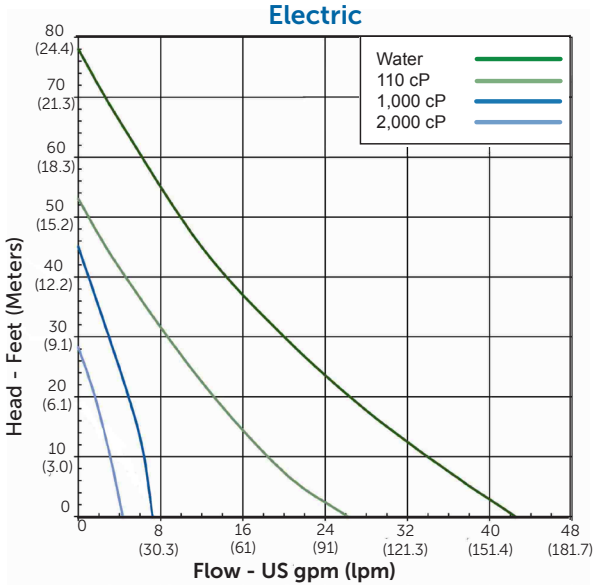
- 316 stainless steel tube with FDA Buna elastomers for outstanding chemical compatibility with a wide range of solvents
- 316 stainless steel shaft
- 1" Tri-Clamp connection
- 6-feet flexible FDA compliant hose w/ nitrile inner and oil resistant w/Microban outer jacket
- Bung adapter
- 1" Tri-clamp x 1" hose barb with clamp and FDA Buna gasket
- FDA polypropylene nozzle with FDA Buna O-rings
- Wall mount for pump storage
- Choice of 115-volt or 230-volt, or air drive motor

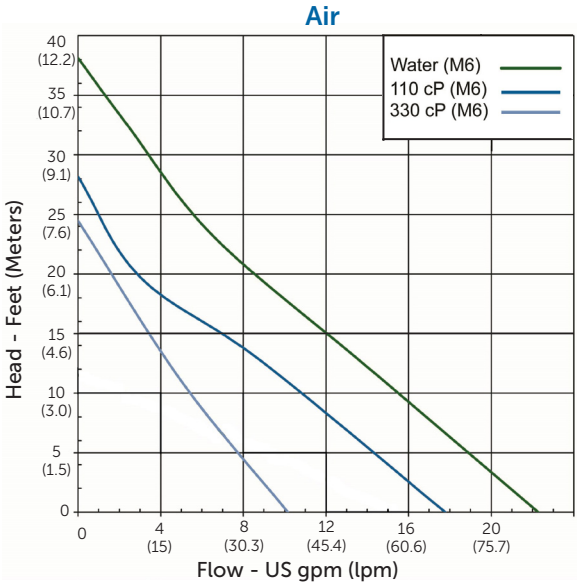
PERFORMANCE DATA

Maximum Flow[1]		Maximum Head[1]		Max. Specific Gravity[‡]	Maximum Viscosity	
Elec.gpm (lpm)	Air gpm (lpm)	Elec. ft (m)	Air ft (m)		Elec.	Air
40 (151)	22 (83)	80 (24)	38 (11.6)	1.8	2,000 cP	330 cP

VISCOSITY DATA

Viscosity (cP)	100	250	500	1000	2000
Max Flow gpm (lpm)	24 (91)	16 (61)	11 (42)	7 (26)	4 (15)
Max Head ft (m)	52 (16)	51 (16)	48 (15)	45 (14)	28 (9)





Kit Number	Tube Length	Motor Type
DPFS164	40" (102 cm)	Variable speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DPFS165	48" (122 cm)	Variable speed, 115-volt 60 Hz, electric, ODP/IP24, QPS
DPFS174	40" (102 cm)	Variable speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DPFS175	48" (122 cm)	Variable speed, 230-volt 50/60 Hz, electric, ODP/IP24, CE
DPFS166	40" (102 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE
DPFS167	48" (122 cm)	Variable speed air motor, air requirements = 80-100 psi @ 15-32 cfm, CE

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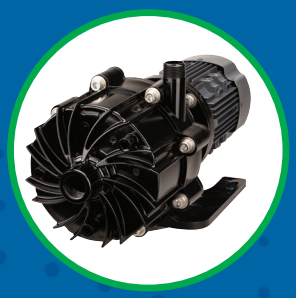

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