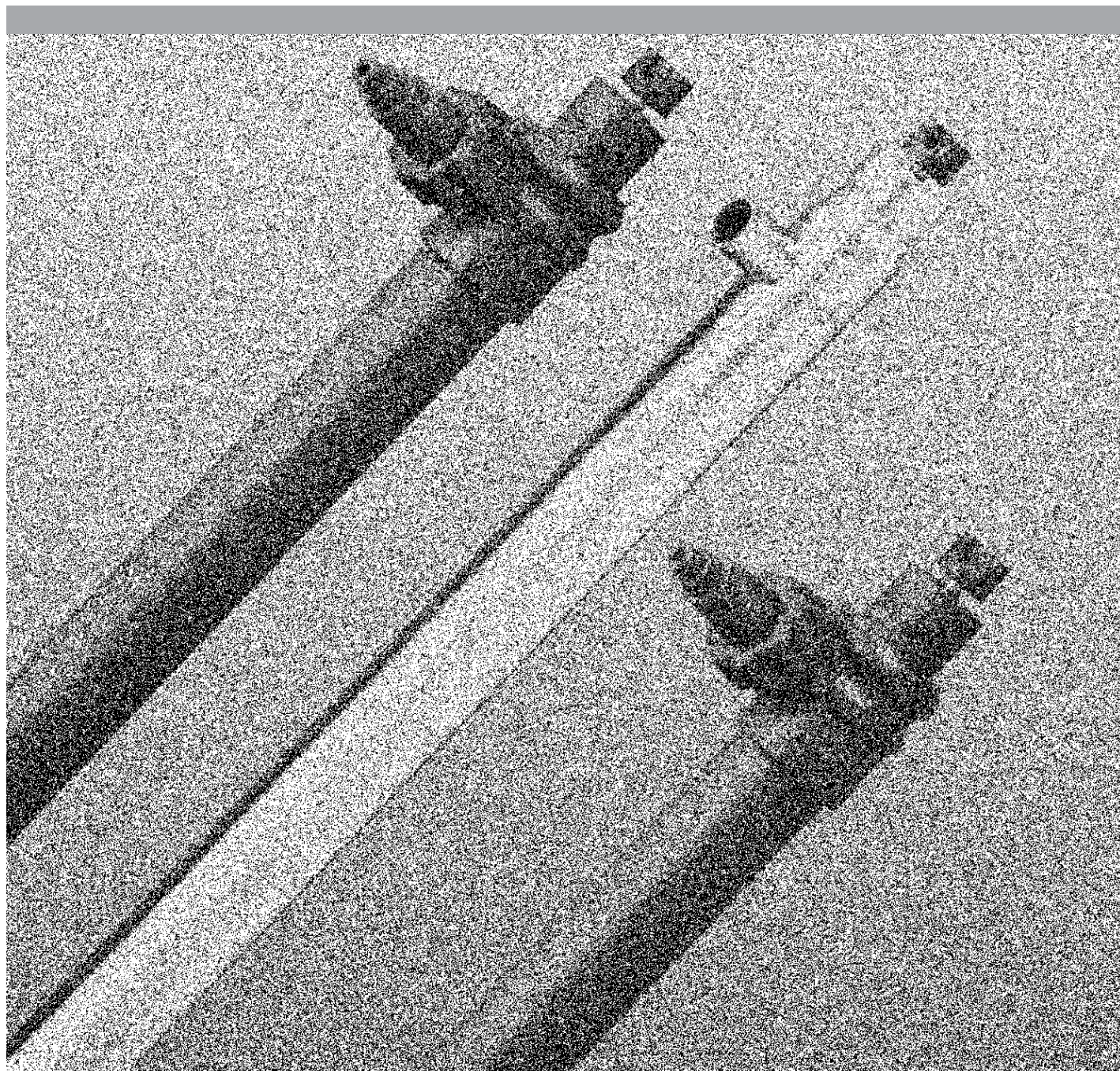




FINISH THOMPSON INC.

OPERATION AND PARTS MANUAL

DRUM PUMPS AND MIXERS



Models: TBS TBP PFM PFP PFV PFS TTC TTS STTS TMS BTS

**FINISH THOMPSON INC.**

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EU Declaration of Conformity

Finish Thompson Inc. hereby declares that the following machine(s) fully comply with the applicable health and safety requirements as specified by the EC Directives listed. The product may not be taken into service until it has been established that the drive motor for the Drum and Container Pump complies with the provisions of all relevant EC Directives. The complete product complies with the provisions of the EC Directive on machinery safety provided motors manufactured by Finish Thompson Inc. are used.

This declaration is valid provided that the devices are fully assembled and no modifications are made to these devices.

Type of Device:

Drum and Container Pump Tubes

Models:

BTS - 40
HVDP LR-27/40/48
PFP-15/27/40/48/60/72
TBP-27/40/48
STTS-40

EPPI/EPPS 15/27/40
HVDP HR-27/40/28
PFS-27/40/48/60/72
TBS-40
TMS-40

EFV/EFV/EFS-16/27/40/48
PFM-27/40/48/60
PFV-27/40/48/60/72
TTC/TTS-27/40/48

EC Directives:

Machinery Safety (2006/42/EC)

Applied Harmonized Standards:

EN ISO 12100 Part 1
EN ISO 12100 Part 2
EN 809

Manufacturer:

Finish Thompson Inc.
921 Greengarden Road
Erie, Pennsylvania 16501-1591 U.S.A

Signed,

President

December 29, 2009

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INTRODUCTION

FTI has been an international designer and manufacturer of drum pumps and mixers for over twenty years. We make drum pump selection easy with our complete line of interchangeable motors and tubes. When properly installed and operated, your Finish Thompson drum pump or mixer will provide long, trouble free service.

WARRANTY

Finish Thompson, Inc (manufacturer) warrants this product to be free of defects in materials and workmanship for a period of one year from date of purchase by original purchaser. If a warranted defect, which is determined by manufacturer's inspection, occurs within this period, it will be repaired or replaced at the manufacturer's option, provided (1) the product is submitted with proof of purchase date and (2) transportation charges are prepaid to the manufacturer. Liability under this warranty is expressly limited to repairing or replacing the product or parts thereof and is in lieu of any other warranties, either expressed or implied. This warranty does apply only to normal wear of the product or components. This warranty does not apply to products or parts broken due to, in whole or in part, accident, overload, abuse, chemical attack, tampering, or alteration. The manufacturer accepts no responsibility for product damage or personal injuries sustained when the product is modified in any way. If this warranty does not apply, the purchaser shall bear all cost for labor, material and transportation.

Manufacturer shall not be liable for incidental or consequential damages including, but not limited to process down time, transportation costs, costs associated with replacement or substitution products, labor costs, product installation or removal costs, or loss of profit. In any and all events, manufacturer's liability shall not exceed the purchase price of the product and/or accessories.

RETURN POLICY

Should you have any problems with this product, please contact the distributor in your area. The distributor will then determine if a return to the factory is necessary and will contact the factory for a return authorization number.

INTRODUCCIÓN

FTI ha sido diseñador y fabricante internacional de bombas de tambor y mezcladoras por más de veinte años. Hacemos selección de bombas de tambor fácil con nuestra línea completa de motores y tubos intercambiables. Cuando se instala y se maneja correctamente, su bomba de tambor o mezcladora Finish Thompson le dará servicio por un largo tiempo y sin problemas.

GARANTÍA

Finish Thompson, Inc (el fabricante) garantiza este producto contra todo defecto de materiales y mano de obra durante un periodo de 365 días des de la fecha de adquisición por parte del comprador original. Si, dentro de este periodo, se detecta algún defecto cubierto por la garantía mediante una inspección del fabricante, éste se encargará de corregirlo, mediante reparación o sustitución, a su elección, siempre y cuando: (1) el producto le sea devuelto con algún comprobante de la fecha de compra y (2) a portes pagados. La responsabilidad de esta garantía se limita expresamente a la reparación o sustitución del producto o de partes del mismo, y sustituye a cualquier otra garantía expresa o implícita. Esta garantía sólo se aplica al desgaste del producto o de sus componentes derivado del uso normal. No es aplicable a productos o piezas cuya rotura se deba, en todo o en parte, a accidentes, sobrecargas, abusos, agresión química, manipulación o alteración. El fabricante declina toda responsabilidad por daños en el producto o lesiones personales que se produzcan después de modificar el producto en cualquier forma. Si el comprador no hace valer esta garantía, deberá asumir todos los gastos de mano de obra, material y transporte.

El fabricante no es responsable de los daños consecutivos o resultantes incluidos, aunque sin limitación, los relacionados con la parada de procesos, costes de transporte, costes asociados a la sustitución de productos, costes de mano de obra, costes de retirada o instalación de productos, o pérdida de beneficios. En cualquier caso, la responsabilidad del fabricante no sobrepasará el precio de compra del producto y/o los accesorios.

PÓLIZA DE DEVOLUCIÓN

Si usted tiene cualquier problema con este producto, por favor póngase en contacto con el distribuidor en su area. Entonces el determinará si una devolución a la fábrica es necesaria y se pondrá en contacto con la fábrica para obtener un número de autorización de devolución.

SAFETY PRECAUTIONS

ALWAYS wear protective clothing, eye protection and follow standard safety procedures when handling corrosive or personally harmful materials.

NEVER use a plastic pump or an open, splash-proof or TEFC motor when pumping or mixing flammable or combustible material.

ALWAYS place pump or mixer in liquid before starting. Make sure pump and hose are properly supported.

NEVER use in pressurized containers.

ALWAYS make sure pump or mixer is properly grounded when pumping or mixing flammable or combustible materials. Must use Static Protection Kit (refer to Page 14).

ALWAYS use protective gloves when handling TM Series mixers to prevent contact with hot surfaces.

ALWAYS use a chemically compatible hose rated for the temperature of the product being pumped.

MAINTENANCE PRECAUTIONS

ALWAYS check compatibility and temperature range of pump with liquids used. A Chemical Resistance and Material Selection Guide can be downloaded from our web site at www.finishthompson.com

NEVER run dry.

NEVER use with liquids containing solids that can damage internals (i.e. metal chips) without optional strainer.

ALWAYS flush unit with water after each use.

ALWAYS store unit upright, i.e. motor above pump, and away from corrosive liquids and vapors.

NEVER run against a closed discharge for extended periods of time.

PRECAUCIONES DE SEGURIDAD

SIEMPRE vista con ropa protectora, protección de ojo

NUNCA use una bomba de plástico o los motores abiertos, contra salpiqueos o TEFC cuando se bombea o se mezcla materiales combustibles o inflamables.

SIEMPRE ponga la bomba o la mezcladora en líquido antes de empezar.

SIEMPRE asegúrese que la bomba y la manguera estén correctamente sostenidas.

NUNCA uso en un envase presurizado.

SIEMPRE asegúrese que la bomba o mezcladora esté correctamente establecida cuando bombee o mezcle materiales combustibles o inflamables. Debe usar el Equipo de Protección Estático (refiarse a la pagina 15).

SIEMPRE use guantes protectivos cuando manipule mezcladoras de Serie TM para evitar contacto con superficies calientes.

SIEMPRE usa una manguera que es compatible con químicas e está tasada para la temperatura del producto que bombea.

PRECAUCIONES DE MANTENIMIENTO

SIEMPRE Verifique la compatibilidad entre la bomba y los líquidos y el intervalo de temperatura. Si lo desea, descargue una Guía de Selección de materiales y Resistencia química en nuestra página web www.finishthompson.com.

NUNCA No haga funcionar la bomba en seco.

NUNCA No utilice la bomba con líquidos que contengan sólidos que puedan dañar las partes internas (por ejemplo, virutas metálicas) sin utilizar un filtro (opcional).

SIEMPRE Lave la bomba con agua después de cada uso.

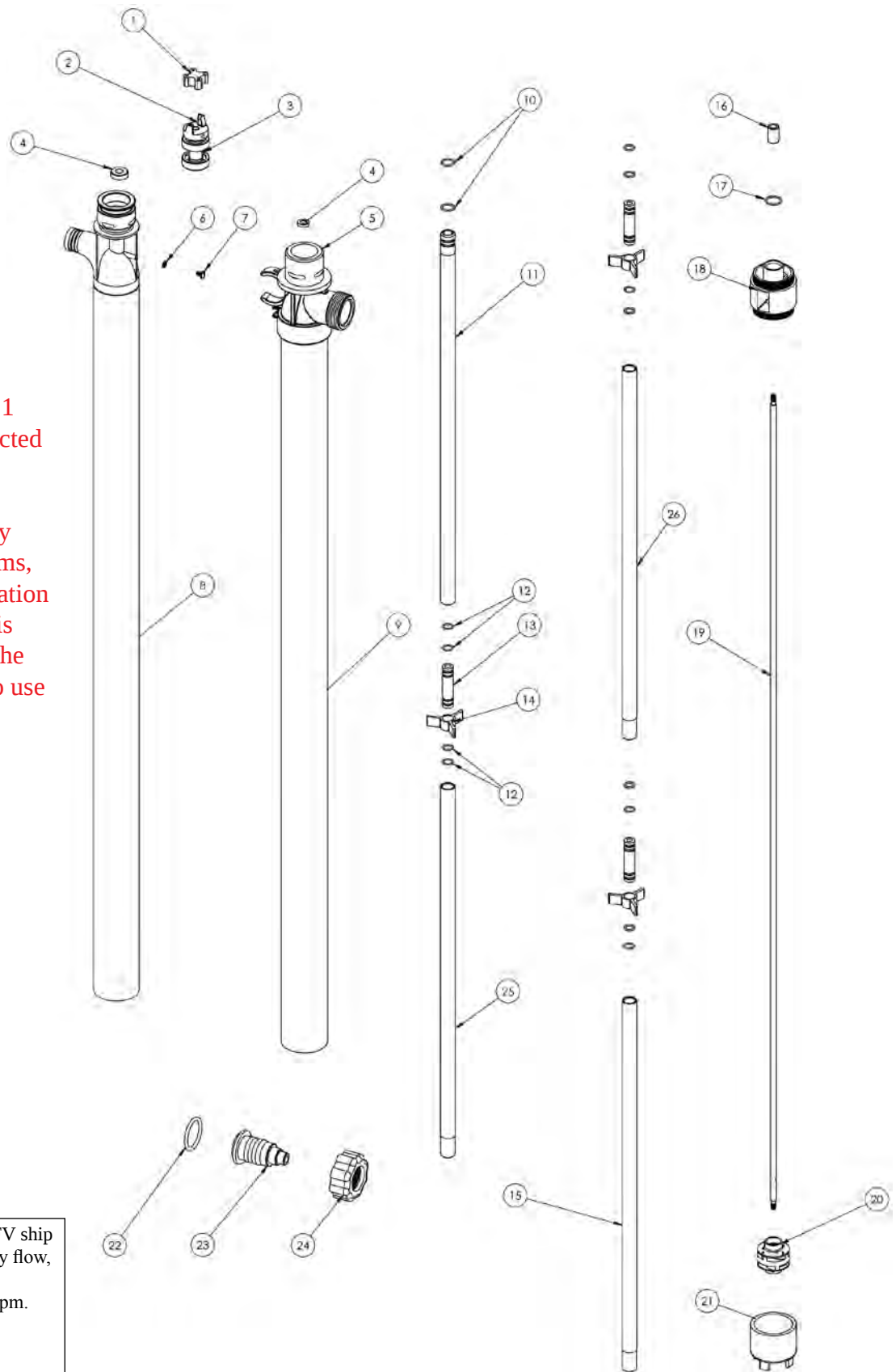
SIEMPRE Almacene la unidad en posición vertical, es decir, con el motor sobre la bomba, y lejos de vapores y líquidos corrosivos

NUNCA funcione contra una descarga cerrada por períodos del tiempo extendidos.

PF SERIES - PFM/PFP/PFV/PFS MODELS

Note: Items 4, 5, 9, 11 and 18 have been affected by design changes.

If a repair involves any of the above listed items, please refer to information found on page 8 of this manual to determine the correct part number to use in ordering.



Note: The PFM, PFP, and PFV ship with a variable orifice. To vary flow, trim steps:

- Step 1 - restricts flow to 10 gpm.
- Step 2 - 20 gpm
- Step 3 - 30 gpm
- Step 4 - maximum opening

Item	Description	Part Number		
		PFM / PFP (PolyPro)	PFV (PVDF)	PFS (SS)
1	Coupling Insert	J100014	J100014	J100014
2	Half Coupling	J100012	J100012	J100012
3*	Bearing Assembly	A101110	A101110	A101110
4*	PF Vapor Seal	107592	107592	M100008
5	PF Head w/Vapor Seal	107755-1	107755-2	—
6	#8 Brass Lock Washer	—	—	J100823
7	#8-32 x 1/4 Pan HD M/S Brass	—	—	J100822
8	PFS 27 Intake Tube Assembly	—	—	A101725-1
"	PFS 40 Intake Tube Assembly	—	—	A101725-3
"	PFS 48 Intake Tube Assembly	—	—	A101725-4
"	PFS 60 Intake Tube Assembly	—	—	A101725-5
"	PFS 72 Intake Tube Assembly	—	—	A101725-6
9	PF 27 Intake Tube	107475-2	107475-7	—
"	PF 40 Intake Tube	107475-3	107475-8	—
"	PF 48 Intake Tube	107475-4	107475-9	—
"	PF 60 Intake Tube	107475-5	107475-10	—
"	PF 72 Intake Tube	107475-6	107475-11	—
10**	Upper Inner Tube O-Ring	J100249 / 106519 / 105621		
11	PF 27 Upper Inner Tube	107660-2	107660-5	M100786-1
"	PF 40 Upper Inner Tube	107660-3	107660-6	M100786-3
"	PF 48 Upper Inner Tube	107660-4	107660-7	M100786-4
"	PF 60 & PF 72 Upper Inner Tubes	107660-3	107660-6	M100786-3
12**	Center Bearing O-Ring	J100018 / 106798 / 105620		
13*	Center Bearing	M100010	M100010	M100010
14*	PF Bearing Guide	M101603-2	M101603-1	M101603-3
15	PF 27 Lower Inner Tube	M100003-1	M100003-5	M100789-1
"	PF 40 Lower Inner Tube	M100003-3	M100003-6	M100789-3
"	PF 48 Lower Inner Tube	M100003-4	M100003-7	M100789-4
"	PF 60 & PF 70 Lower Inner Tube	M100003-3	M100003-6	M100789-3
16*	Bottom Bearing	M100007	M100007	M100007
17**	Impeller Housing O-Ring	J100019 / 106799 / 105622		
18*	PF Impeller Housing	107316-1	107316-2	M101696
19	PF 27 Shaft	M100004-5 / M100004-1	M100004-1	M100004-5
"	PF 40 Shaft	M100004-7 / M100004-3	M100004-3	M100004-7
"	PF 48 Shaft	M100004-8 / M100004-4	M100004-4	M100004-8
"	PF 60 Shaft	M100004-12 / M100004-9	M100004-9	M100004-12
"	PF 72 Shaft	M100004-13 / M100004-11	M100004-11	M100004-13
20*	PF Impeller Assembly	A100002-2	A100002-2	A100002-3
21*	PF Housing Cover	M101612-1	M101612-2	M100726
22**	Discharge O-Ring	J100991 / J102378 / 107017		
23	PF Spout - 1" barb - standard	M100028-1	M100028-2	—
23	PF Spout - 3/4" barb - optional	105439-1	105439	—
23+	PF Spout - 1" MNPT - optional	106599	106599-1	—
24	PF Discharge Nut - standard	M101610-1	M101610-2	—
24+	PF Discharge Nut - optional	106622	106622-1	—
25	PF 60 & PF 72 Upper Middle Inner Tube	M100003-3	M100003-6	M100789-3
26	PF 72 Lower Middle Inner Tube	M100003-1	M100003-5	M100789-1

* Recommended Spare Parts (PFS should not require items 18 & 21, but if replaced, they must be replaced together.)

** Standard FKM o-ring / optional EPDM / optional perlast available for all PF tube series. Item 22 not available on PFS tubes.

+ Optional discharge nut must be used with optional 1" MNPT PF spout.

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

Impeller Housing change - PFM, PFP, PFV Series

Beginning August 2010, Finish Thompson made a change to the impeller housing (item 18) on the plastic PF Series models (PFM, PFP, PFV). The change was phased in over several months and covers all the various tube lengths within these models.

The change affects these parts:

- Intake tube assembly (item 9)
- Upper inner tube (item 11)
- Impeller housing (item 18)

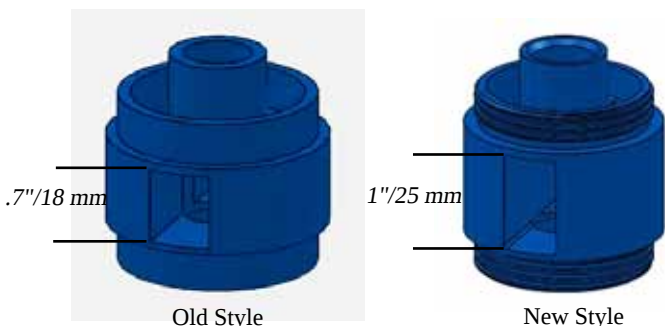
When repairing a pump involving the parts listed above, you must **assure that the correct parts are ordered**.

First - check the serial number. If the pump serial number ends in L10 or older (pumps manufactured before January 2011), it is necessary to determine which impeller housing is installed in the pump. If the serial number is not legible, the information below can be used to determine which impeller housing your pump contains.

NOTE: All pump serial numbers end with a letter and two digit number. The letters, A through L, refer to the month, e.g. A = January. The two numerical digits refer to year. So, a pump serial number ending in C08 was manufactured in March 2008.

Second - determine impeller housing required. The easiest way to determine new versus old is to measure one of the two "windows" in the side of the impeller housing. Measure from the top to the bottom. Old style impeller housings have a window height of approximately .7" (18 mm). New style impeller housings have a window height of approximately 1" (25 mm).

Impeller Housings



- If the pump has an old style impeller and one or all of the three affected parts are required for repair, find the correct part number in the following parts list.
- When ordering all other parts, reference the parts list on page 7 of this manual

Old Style Impeller			
Item	Description	PFM/PFP (Polypropylene)	PFV (PVDF)
9	PF27 intake tube	M100005-1	M100005-5
9	PF40 intake tube	M100005-3	M100005-6
9	PF48 intake tube	M100005-4	M100005-7
9	PF60 intake tube	M100005-8	M100005-12
9	PF72 intake tube	M100005-11	M100005-10
11	PF27 upper inner tube	M100050-1	M100050-5
11	PF40 upper inner tube	M100050-3	M100050-6
11	PF48 upper inner tube	M100050-4	M100050-7
11	PF60 & PF72 upper inner tube	M100050-3	M100050-6
18	PF impeller housing	M100018-1	M100018-2

Head and Vapor Seal Change - PFM, PFP, PFV Series

In October 2010, Finish Thompson made a change to the head (item 5) and the vapor seal (item 4) on the plastic PF Series pumps. The first serial number with the new head and vapor seal is XXXXXJ10. Make sure the correct parts are ordered when repairing a pump.

Vapor Seal

The primary part affected by the change to the head is the vapor seal (item 4). Old style vapor seals will continue to be available to fit old style heads.

Determination of new versus old style vapor seal is easy. Simply look at the head design.

Heads

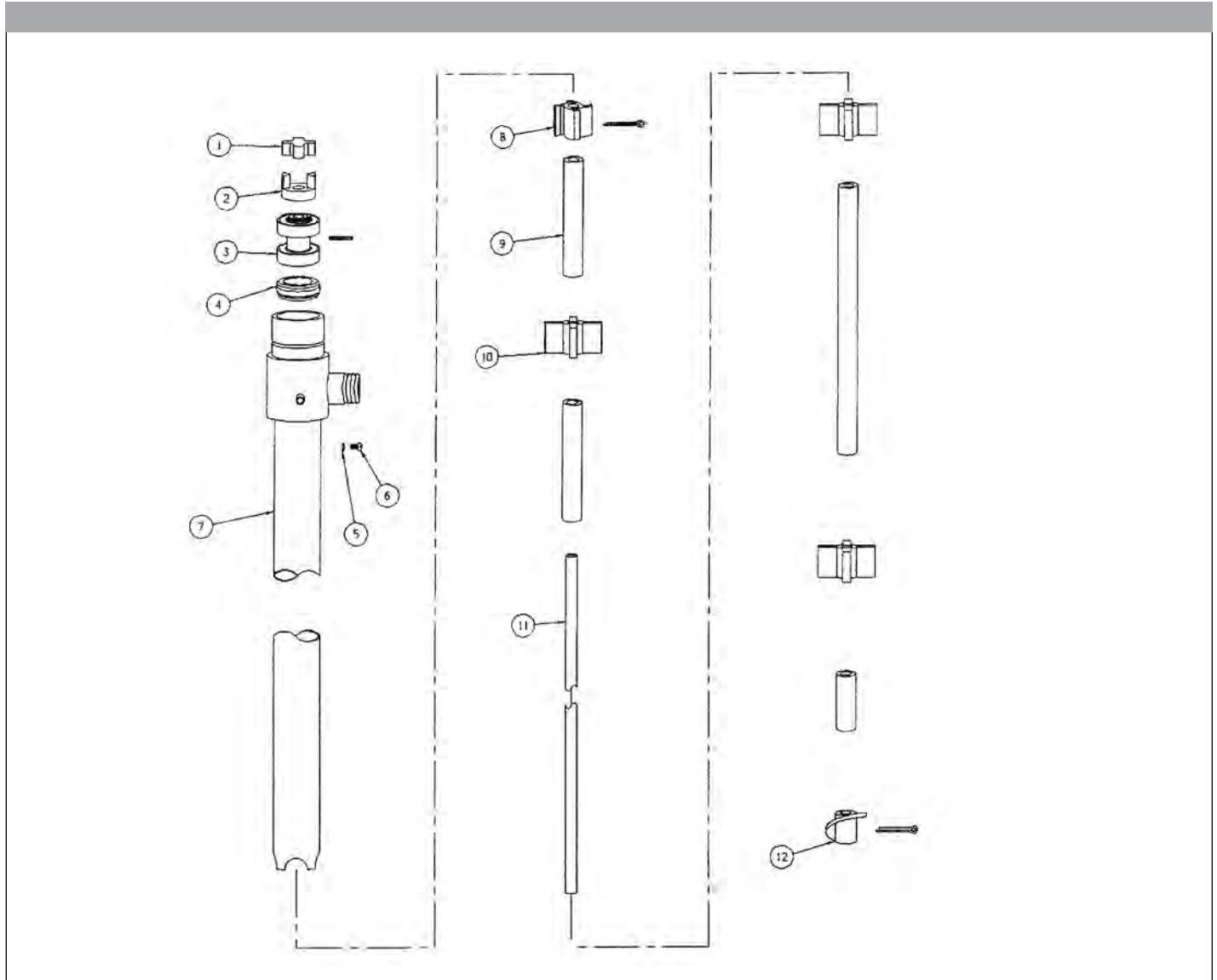


To replace an old style head vapor seal, order P/N M100008. Order P/N 107592 to replace a new style head vapor seal. The **two vapor seals are not interchangeable**, so it is important to order the correct part number.

Head

New style heads (item 5) are backwards compatible. Because the vapor seals are different between the two heads, the head is sold as a kit that includes both the head and the vapor seal. Use head part numbers shown in the parts list on page 7 of this manual.

TB SERIES - TBS MODELS

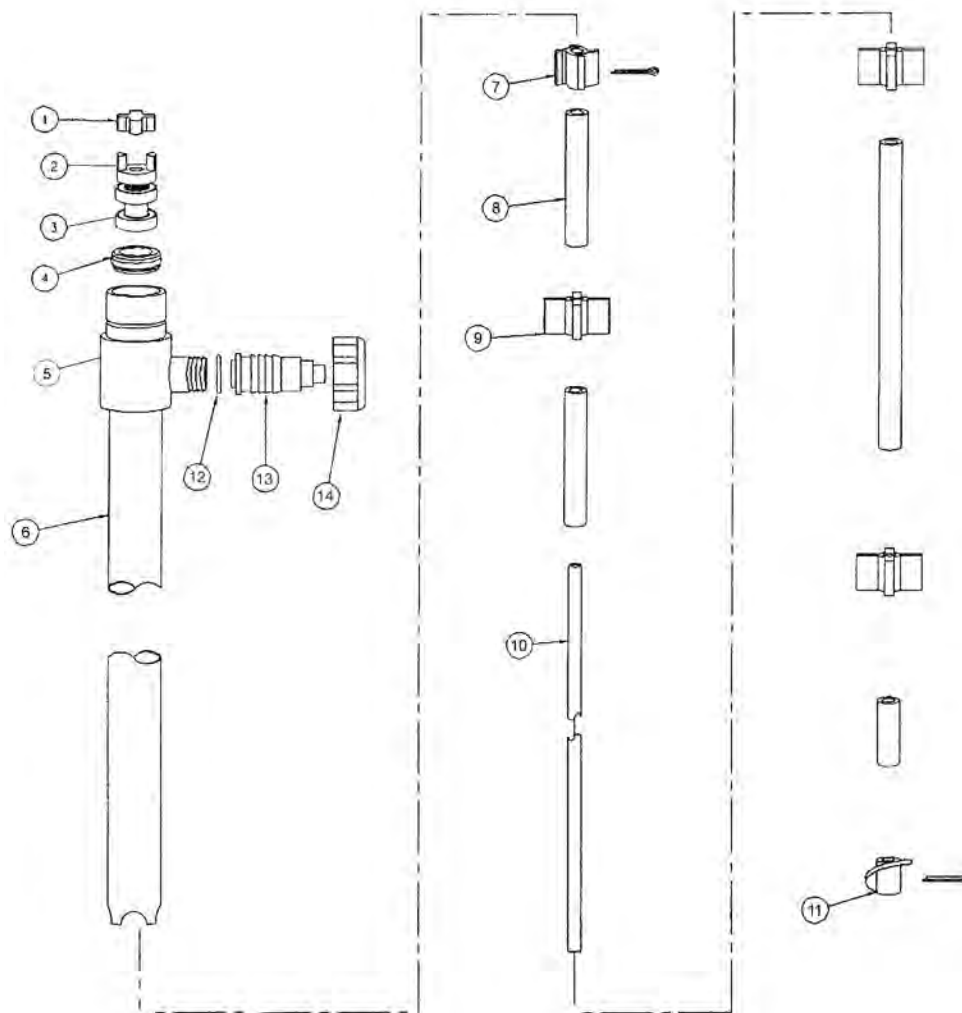


Item	Description	Part Number	Item	Description	Part Number
1	Coupling Insert	J100014	8	TBS Impeller Assembly	A100030
2	Half Coupling	J100013		w/SS Pin	A100030
3*	Bearing Assembly	A101672	9	TB 40 Spacer Set	A100031-1
4*	Seal Assembly	A100284	10*	Center Bearing	M100039
5	#8 Brass Lock Washer	J100823	11	TBS 40 Main Shaft	M100011-3
6	#8-32 x 1/4 Pan HD Brass M/S	J100822	12*	TBS Compressor w/SSTL Pin	A100033
7	TBS 40 Intake Tube Assembly	A100927-4			

* Recommended Spare Parts

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

TB SERIES - TBP MODEL



Item	Description	Part Number
1	Coupling Insert	J100014
2	Half Coupling	J100012
3*	Bearing Assembly w/ Roll Pin	A101110
4*	Seal Assembly	A103186
5	Pump Head	M102222
6	Intake Tube - 40"	M102221-2
6	Intake Tube - 27"	M102221-1
6	Intake Tube - 48"	M102221-3

NOTE: The TBP ships with a variable orifice.
To vary flow, trim steps.

Step 1 - 10 GPM - no trim required,

Step 2 - 15 GPM

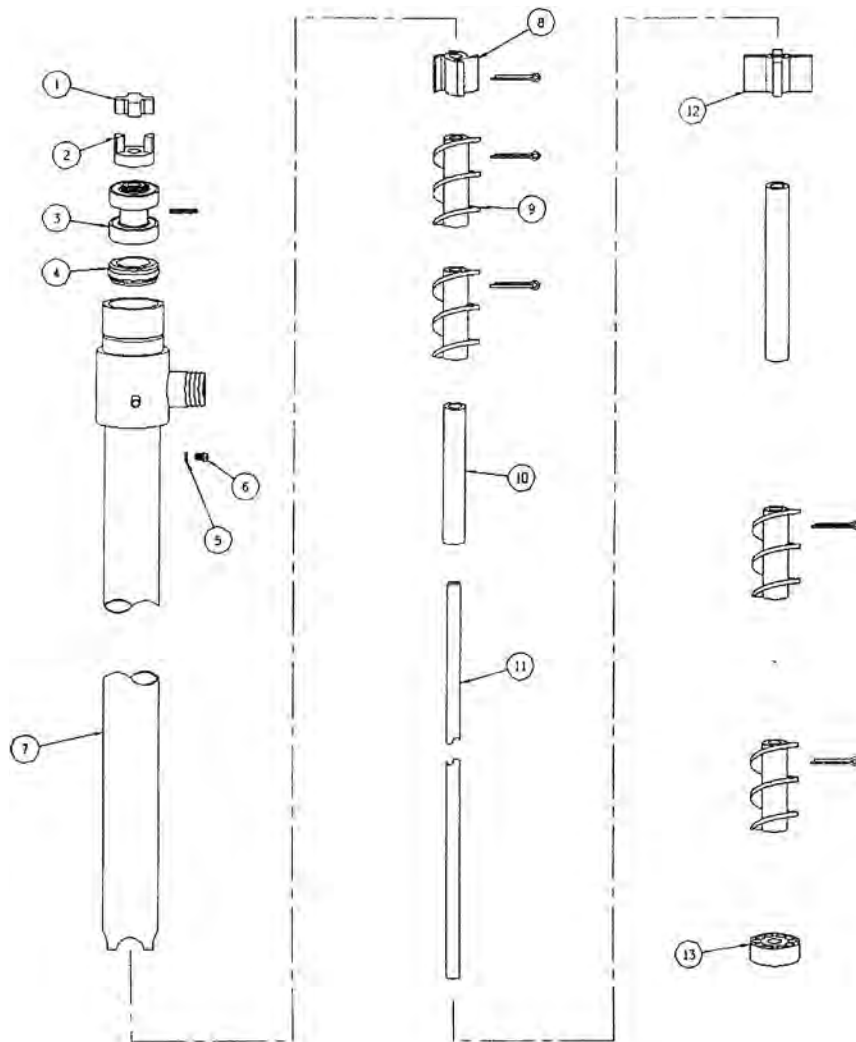
Step 3 is the maximum opening

Item	Description	Part Number
7	Impeller Assembly w/Hastelloy Pin	A103190
8	Spacer Set - 48"	A103189-3
8	Spacer Set - 40"	A103189-2
8	Spacer Set - 27"	A103189-1
9*	Center Bearing	M100039-1
10	Main Shaft - 48"	M102219-3
10	Main Shaft - 40"	M102219-2
10	Main Shaft - 27"	M102219-1
11	Compressor w/Hastelloy Pin	A103191
12	Discharge o-ring	J100991
13	Spout	106753
14	Discharge Nut	M101610-2

* Recommended Spare Parts

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

TT SERIES - TTC/TTS MODELS



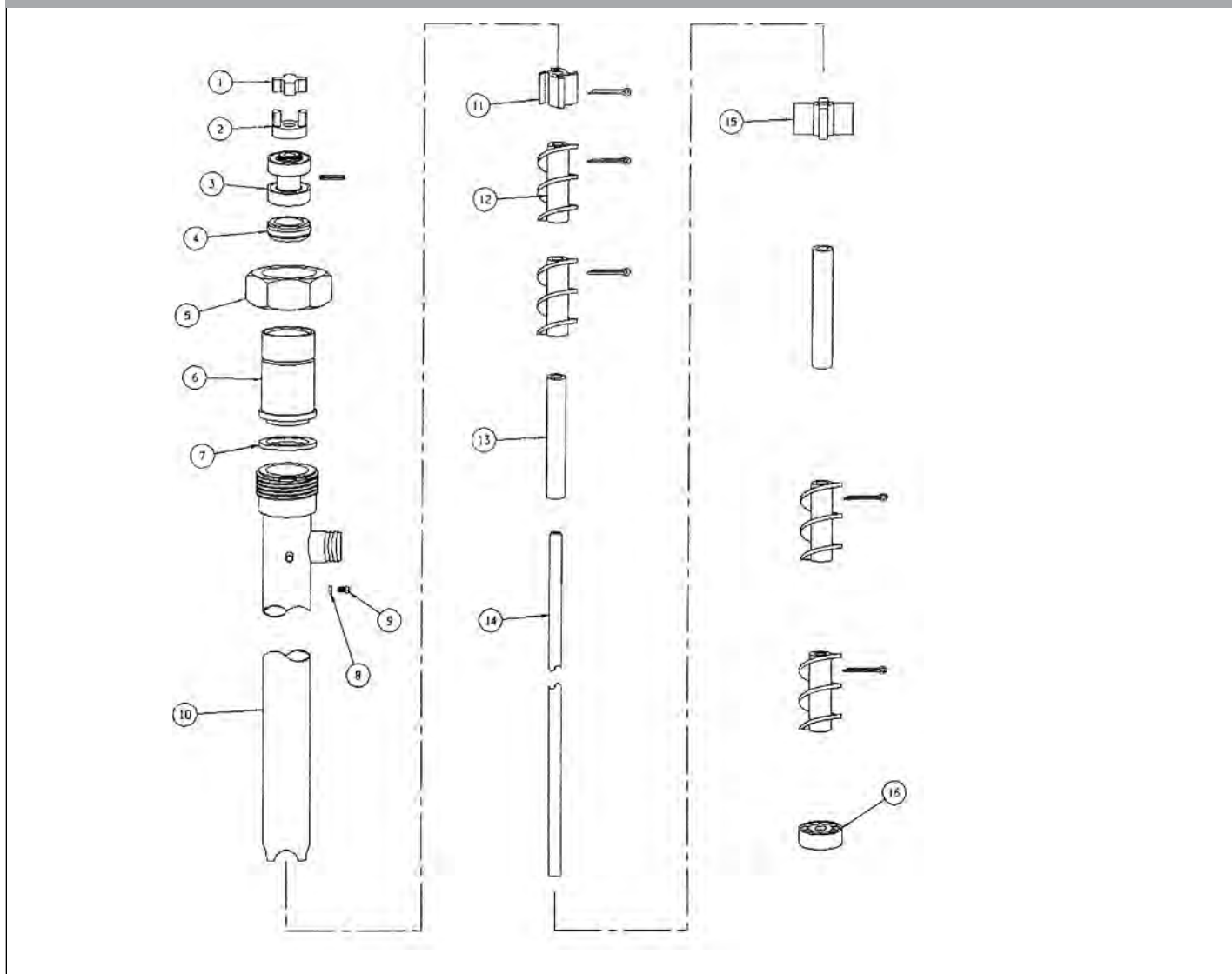
Item	Description	Part Number
1	Coupling Insert	J100014
2	Half Coupling	J100013
3*	Bearing Assembly w/Roll Pin	A101672
4*	Seal Assembly	A100284
5	#8 Brass Lock Washer	J100823
6	#8-32 x 1/4 Pan HD Brass M/S	J100822
7	TTS 27 Intake Tube Assembly	A100927-1
"	TTS 48 Intake Tube Assembly	A100927-3
"	TTC 27 Intake Tube Assembly	A100926-1
"	TTC 48 Intake Tube Assembly	A100926-3
"	TTC 40 Intake Tube Assembly	A100926-4
"	TTS 40 Intake Tube Assembly	A100927-4
8	TTS Impeller Assembly	A100030
"	TTC Impeller Assembly	A100039

9*	TTS Compressor w/SSTL Pin	A100044
"	TTC Compressor w/Inconel Pin	A100325
10	TTC/TTS 40 Spacer Set	A100043-1
"	TTC/TTS 48 Spacer Set	A100043-2
11	TTS 27 Main Shaft	M100972-1
"	TTS 48 Main Shaft	M100972-3
"	TTC 27 Main Shaft	M100972-4
"	TTC 48 Main Shaft	M100972-6
"	TTS 40 Main Shaft	M100972-7
"	TTC 40 Main Shaft	M100972-8
12*	Center Bearing	M100039
13*	Bottom Bearing	M100047

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

* Recommended Spare Parts

TT SERIES - STTS MODEL SANITARY

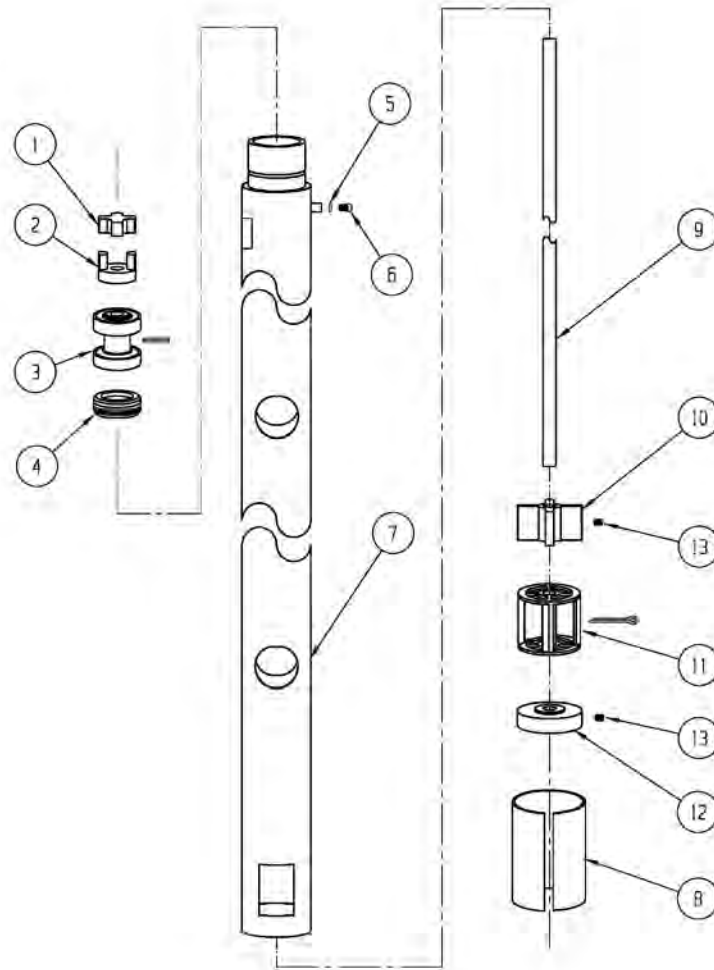


Item	Description	Part Number	Item	Description	Part Number
1	Coupling Insert	J100014	10	STTS 40 Intake Tube Assembly	A100080-1
2	Half Coupling	J100013	11	Impeller Assembly w/Pin	A101674
3*	Bearing Assembly w/Roll Pin	A101672	12*	Compressor w/SSTL Pin	A101673
4*	Seal Assembly	A100284	13	Spacer Set	A100043-1
5	SSTL Union Nut	J100083	14	STTS 40 Main Shaft	M100974-1
6	STTS Bearing Housing	M100078	15*	Center Bearing	M100039
7*	Union Nut Gasket	J100084	16*	Bottom Bearing	M100047
8	#8 Brass Lock Washer	J100823			
9	#8-32 x 1/4 Pan HD Brass M/S	J100822			

* Recommended Spare Parts

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

TM SERIES - TMS MODEL

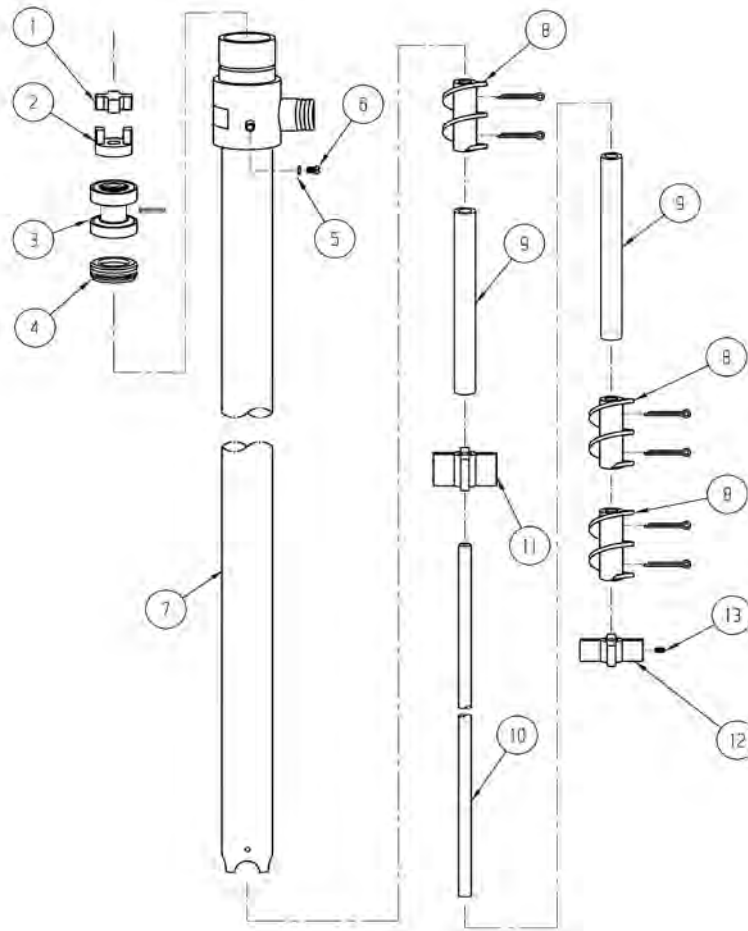


Item	Description	Part Number	Item	Description	Part Number
1	Coupling Insert	J100014	8	Sleeve	M100070
2	Half Coupling	J100013	9	TMS 40 Shaft	M100970-1
3*	Bearing Assembly w/Roll Pin	A101672	10*	Center Bearing	M100073
4*	Seal Assembly	A100284	11	Turbine Assembly w/SS Pin	A100070
5	#8 Brass Lock Washer	J100823	12*	Bottom Bearing	M100071
6	#8-32 x 1/4 Pan HD Brass M/S	J100822	13	#8-32 x 3/8 SSTL Set Screw	J100072
7	TMS 40 Tube Mixer Assembly	A101192-1			

* Recommended Spare Parts

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

BT SERIES - BTS MODEL

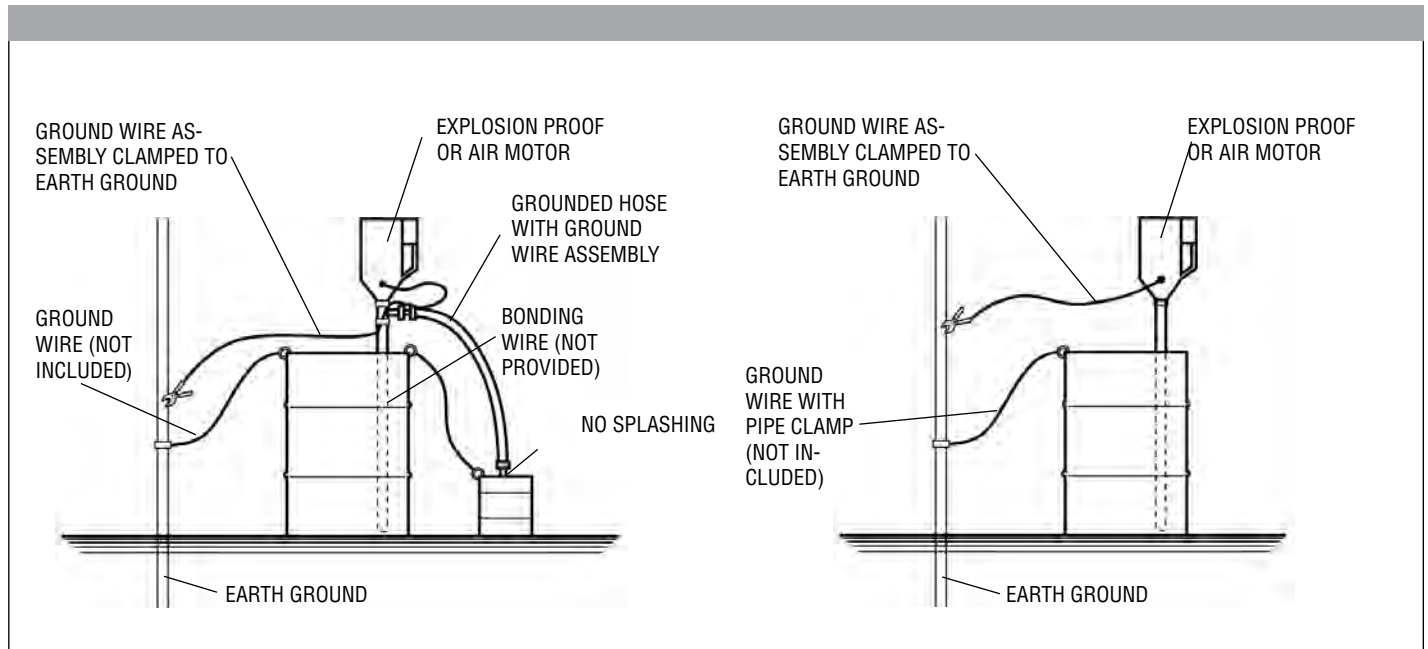


Item	Description	Part Number	Item	Description	Part Number
1	Coupling Insert	J100096	8*	Compressor w/SSTL Pin	A100092
2	Half Coupling	105595-1	9	Spacer Set	A100106
3*	Bearing Assembly w/Roll Pin	A101672	10	BTS 40 Main Shaft	M100083-1
4*	Seal Assembly	A100284	11*	Center Bearing	M100073
5	#8 Brass Lock Washer	J100823	12*	Bottom Bearing	M100084
6	#8-32 x 1/4 Pan HD Brass M/S	J100822	13	#8-32 x 3/8 SSTL Set Screw	J100072
7	BTS 40 Intake Tube Assembly	A100091-1			

* Recommended Spare Parts

Note: Repair instructions can be downloaded from our web site at www.finishthompson.com or contact Technical Service at 1-800-888-3743.

STATIC PROTECTION KIT



DRUM PUMP INSTALLATION

1. Install the pump and Static Protection Kit as described and shown.
2. Connect ground wire assembly to earth ground using supplied clamp.
3. Connect ground wire between drum and earth ground.
4. Connect ground wire between receiving container and earth ground (or use bonding wire to connect to drum).

⚠ CAUTION - Check electrical continuity of all components before pumping. All should be one (1) ohm or less.

TUBE MIXER INSTALLATION

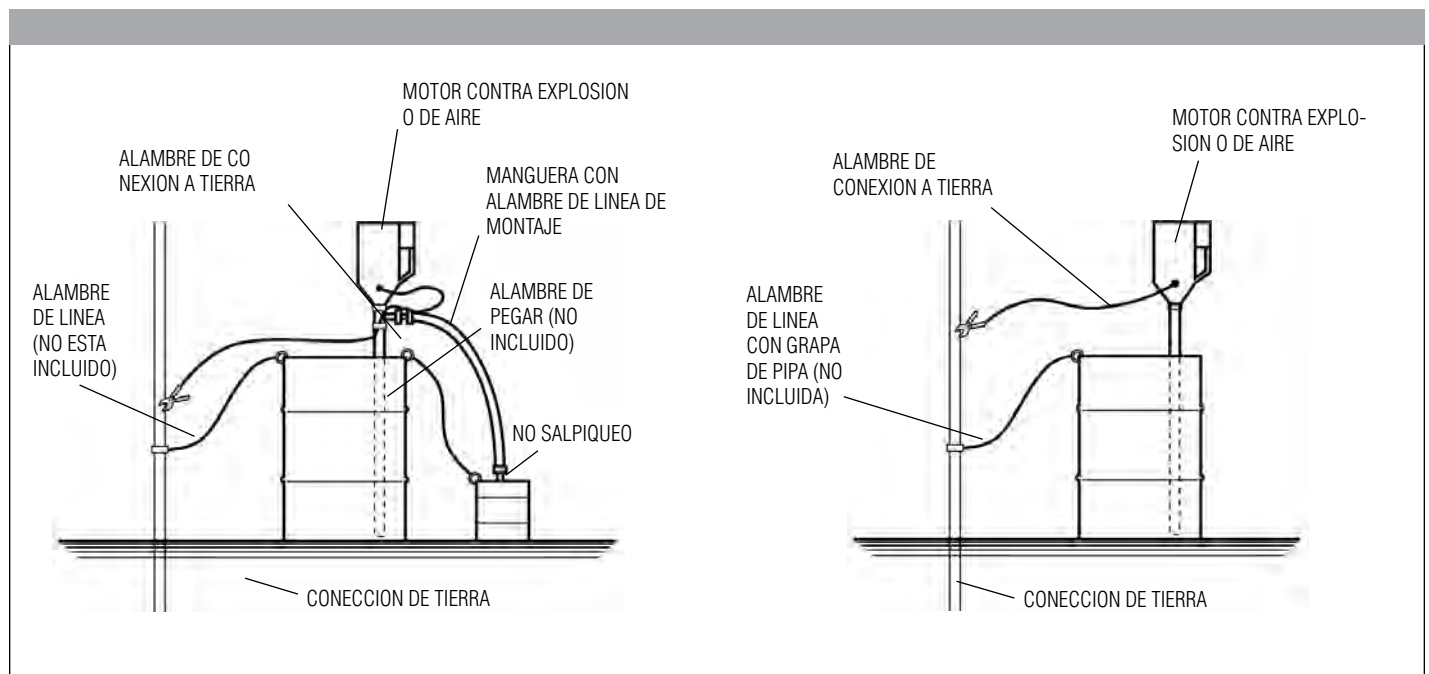
1. Install the mixer and Static Protection Kit as described and shown.
2. Connect ground wire assembly to earth ground using supplied clamp.
3. Connect ground wire between drum and earth ground.

⚠ CAUTION - Check electrical continuity of all components before pumping. All should be one (1) ohm or less.

OPERATION AND SAFETY GUIDELINE

- Use only metallic pump tubes with explosionproof motors to transfer flammable or combustible liquids.
- Area for use must comply with NFPA 30 guidelines for safe storage and use of flammable and combustible liquids.
- All containers and other equipment must be metal and grounded.
- Follow NFPA 77 guidelines for control of static electricity.
- Avoid splashing. Splash filling can create static electricity and is extremely hazardous.
- Fluid velocity must be 3 feet/second maximum (7 GPM in 1" hose).

EQUIPO DE PROTECCIÓN ESTÁTICO



INSTALACIÓN DE LA BOMBA DE MOTOR

1. Instale la bomba y el Equipo de Protección Estático como se describe y se muestra.
2. Conecte el alambre a la conexión de tierra, usando la grapa que se le ha surtido.
3. Conecte el alambre de tierra entre el tambor y la conexión de tierra.
4. Conecte el alambre de tierra entre el recipiente receptor y la conexión de tierra (o use alambre de pegar para conectar al tambor).

⚠ CUIDADO - Revise la continuidad eléctrica de todos los componentes antes de bombear. Todos deben ser un (1) ohm o menos.

INSTALACIÓN DEL MEZCLADOR

1. Instale la mezcladora y el Equipo de Protección Estático como se describe y se muestra.
2. Conecte el alambre a la conexión de tierra, usando la grapa que se le ha surtido.
3. Conecte el alambre de línea entre el tambor y la conexión de tierra.

⚠ CUIDADO - Revise la continuidad eléctrica de todos los componentes antes de bombear. Todos deben ser un (1) ohm o menos.

GUIAS DE OPERACIÓN Y SEGURIDAD

- Use solamente tubos de bomba metálicos con motores contra explosivos para transferir líquidos combustibles o inflamables.
- El lugar de uso debe estar de acuerdo con las normas NFPA 30, para almacenar seguramente líquidos combustibles e inflamables.
- Todo recipiente y otro equipo debe ser de metal y conectado a tierra.
- Siga las guías NFPA 77 para el control de electricidad estática.
- Evite salpiquear. El llenar con salpiqueo puede crear electricidad estática y es extremadamente peligroso.
- La velocidad del fluido debe ser de 3 pies/segundo máximo (7 GPM en manguera de 1").



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