





Eccentric worm-drive pumps

FLUX eccentric worm-drive pumps

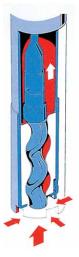




In this brochure:

FLUX high viscosity liquid pumps have been tried and tested in numerous industrial sectors around the world. Three pump designs are available in differing models to meet every requirement for transferring thin to high viscosity media.

All models are easy to operate and maintain. Naturally, they all carry the advanced design and safety features that users expect from FLUX. For more than 50 years we have manufactured innovative, high-quality products. Operators readily acknowledge the performance of our powerful and extremely reliable pumps.



Positive displacement pump -eccentric worm type:

- smooth pumping of the liquid with very little turbulences
- easy to clean
- advanced pump design without any inaccessible or hidden voids, ideal for use in the food, cosme-tic and pharmaceutical industries
- sanitary version available with 3A-approval
- vertical and horizontal use
- low wear, no valves, vanes etc.
- high output of 10 GPM or 12 GPM

FLUX eccentric worm-drive pumps type F 550 are designed for a wide range of applications. Two versions are available:

The robust **bearing flange version type F 550 S** is suited to continuous operation and is available with a three-phase electric motor, gear motor or compressed-air motor, and are ideal for conveying substances with up to 100,000 cPs viscosity¹.

The lightweight, easy-to-handle version for quick-change applications **type F 550 GS is equipped with a planetary gear.** These models are used with a FLUX commutator or compressedair motor, and are ideal for conveying substances with up to 50,000 cPs viscosity.

The **F 550 GS6** model is designed for lower capacities, covering the viscosity range up to 80,000 cPs.

Under **type code F 560** both pump designs are available in **sanitary version type F 560 S** and **F 560 GS**, especially designed for use in the food, cosmetic and pharmaceutical industries. To meet the highest sanitary standards these pump models are also available with **3A-approval**.



For use in hazardous areas Zone 0

for transferring high flammability liquids class IIA or IIB, FLUX high viscosity liquid pumps type F 550 and F 560 are availa-



ble in versions **"XA" and "XB"**, tested and certified according to **ATEX-Directive 2014/34/EU**.



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Industrial eccentric worm-drive pumps type F 550 S Version with bearing flange

Recommended for transferring

Thin to highly viscous, even pasty, still free flowing substances.

Typical applications

Transferring viscous substances from drums and/or containers. Feeding filling machines.

Available drive motors

Three-phase electric or compressed-air motors. Three-phase motors of 0.75 or 1.1 kW, with a speed of 850 rpm. For highly viscous, pasty substances a motor of 1.1 kW is required for viscosities exceeding 50,000 cPs, because of the low velocity of such products². A higher speed may be used if the product is still flowing or if a follower plate would support the continuous flow of

the product to the pump inlet - please refer to the VISCOFLUX

For viscosities up to 25,000 cPs, a motor of 0.75 kW will be sufficient.

On compressed-air motors , the speed is controlled by a valve on the motor or in the air supply line.

Scope of supply

system information.

A complete eccentric worm-drive pump consists of: drive motor, pump, stator and hose connection.

Technical data - Flow rate estimates based on varying viscosities

550\$ 50/21		
VISCOSITY (CPS)	MAX GPM	
1,000	10	
3,000	8	
10,000	6 - 7	
20,000	4.5	
30,000	4	
40,000	2.5 - 3.5	
50,000	2 - 3	
60,000	1.5 - 2	
70,000	1.5 - 2	
80-100,000	1 - 2	

550\$ 54/26		
VISCOSITY	MAX GPM	
(CPS)		
1,000	12	
3,000	10	
10,000	8	
20,000	6	
30,000	5.5	
40,000	3.5 - 4.5	
50,000	3 - 4	
60,000	2.5 - 3.5	
70,000	2 - 3	
80-100,000	1 - 2	

With higher viscosities delivery rate will be lower, depending on the velocity of the fluid.

Values ± 10% at 930 rpm. Delivery rate depends on the velocity of the fluid.



Eccentric worm-drive pumps with mechanical seal, in bearing flange version, drive motors see page 16

Туре	F 550 S-50/21	F 550 S-54/26	F 550 SXA-50/21	F 550 SXB-50/21
Delivery rate max.	10 GPM (37 LPM)	12 GPM (45 LPM)	10 GPM (37 LPM)
Delivery head max.		116 PSI	G (8 bar)	
Thread on outlet		G 11/2 A (BSF	11/2" male)	
Seal type		mechanical seal in ceramic	c oxide, o-rings in FKM	
Material	bearing flange in aluminium	ו*; outer tube, torsion shaft a	nd eccentric worm in stainless	s steel 316 Ti
Outer-Ø	50 mm	54 mm	50 mm	50 mm
Stator	not included with the pump, separate part number please see list below		Stator PTFE white, included	d with the pump
Explosion-proof according to ATEX-Directive 2014/34/EU for use in Zone 0	not approved for transferring high flammability liquids in Zone 0		EC Type Examination Certificate No. PTB 99 ATEX 4050 X (Ex II 1/2 G IIA T44)	EC Type Examination Certificate No. PTB 99 ATEX 4051 X (Ex II 1/2 G IIB T4)))
Part No./Weight			(EX)	E
Immersion length 27" (700 mm)	550 25 507/10.8 lbs	550 25 649/11.9 lbs	550 23 020/12.1 lbs	550 23 400/12.1 lk
Immersion length 39" (1000 mm)	550 25 510/12.3 lbs	550 25 652/13.4 lbs	550 23 021/13.4 lbs	550 23 401/13.4 lb
Immersion length 47" (1200 mm)	550 25 512/14.5 lbs	550 25 654/14.5 lbs	550 23 022/14.5 lbs	550 23 402/14.5 lb

Other lengths on request.

Also available:

- Version with cardan shaft for higher torque
- Pumps with right/left rotation for emptying the pump or clearing blockages
- Pumps for VISCOFLUX and VISCOFLUX mobile
- Horizontally mounted versions see page 14

Stators for eccentric worm-drive pumps type F 550 S

Material	Temperature max.	Recommended for	Part No./Weight outer-Ø 50 mm	Part No./Weight outer-Ø 54 mm
NBR white (Nitrile Butadiene Rubber) elastomer	194°F (90°C)	particularly suitable for oils and greases, also for food products	550 24 248/1.1 lbs	550 25 621/1.3 lbs
NBR black (Nitrile Butadiene Rubber) elastomer	194°F (90°C)	particularly suitable for oils and greases, not suitable for food products	550 24 244/1.1 lbs	550 25 620/1.3 lbs
FKM (Fluor Rubber) elastomer	248°F (120°C)	excellent chemical resistance to all different kind of products, not suitable for food products	550 24 247/1.1 lbs	550 25 619/1.3 lbs
PTFE (Ethylene-Tetra-Fluor-Ethylene) solid material	248°F (120°C)	excellent chemical resistance, particularly suitable for food products, pharmaceuticals and cosmetics	550 24 256/1.3 lbs	550 25 625 /1.5 lbs

Hose connection in stainless steel, complete with union nut G $1 \ensuremath{^{1\!\!/_{\!\!2}}}$

Туре F 550 S	Part No./Weight
for flexible hose, inside 1" (DN 25)	959 04 002 /0.4 lbs
for flexible hose, inside 1-1/4" (DN 32)	959 04 003/0.6 lbs
for flexible hose, inside 1-1/2" (DN 38)	959 04 004/0.8 lbs

Industrial eccentric worm-drive pumps type F 550 GS with planetary gear

Recommended for transferring Thin to medium viscosity liquids up to a maximum viscosity of 50,000 cPs.

Typical applications

Liquid transfer from barrels and/or containers. The eccentric worm-drive pumps type F 550 GS are particularly lightweight and easy-to-handle, making them extremely versatile pumps. The lightest model has a weight of only 9.5 lbs. The weight of the complete pump depends on the immersion length and motor assembly.

Available drive motors

Commutator motors or compressed air motors.

An infinitely variable speed motor – also available on explosion-proof models – allows the operator to set pump capacity to specific delivery requirements.

Scope of supply

A complete eccentric worm-drive pump consists of: drive motor, pump, stator and hose connection.

The types XA and XB are delivered with stator.

F 550 GS-54/26 with commutator motor F 460 Ex

Technical data - Flow rate estimates based on varying viscosities

F550 GS 50/21		
VISCOSITY	MAX GPM	
(CPS)	MAX OF M	
1,000	9	
3,000	7	
10,000	5	
20,000	4.5	
30,000	4	
40,000	2.5 - 3.5	
50,000	2 - 3	

F550 GS 54/26		
MAX GPM	VISCOSITY	
WAX OF W	(CPS)	
11	1,000	
9	3,000	
6.5	10,000	
6	20,000	
5.5	30,000	
3.5 - 4.5	40,000	
3 - 4	50,000	
	·	

Values ± 10 %. Delivery rate depends on the velocity of the fluid.





Eccentric worm-drive pumps with mechanical seal in planetary gear version

Туре	F 550 GS-50/21	F 550 GS-54/26	F 550 GSXA-50/21	F 550 GSXB-50/21
Delivery rate max.	10 GPM (37 LPM)	12 GPM (45 LPM)	10 GPM	(37 LPM)
Delivery head max.		116 PSI	G (8 bar)	
Thread on outlet		G 1	1/2 A	
Seal type		mechanical seal in ceramic	oxide, o-rings in FKM	
Material	outer tub	e, torsion shaft and eccentric	worm in stainless steel 316 Ti	i
Outer-Ø	50 mm 54 mm		50 mm	
Stator	not included with the pump, separate part number please see list below		Stator PTFE white, included with the pump	Stator PTFE black, included with the pump
Explosion-proof according to ATEX-Directive 2014/34/EU for use in Zone 0	not approved for transferring highly flammable liquids in Zone 0		EC Type Examination Certificate No. PTB 99 ATEX 4050 X (Ex II 1/2 G IIA T44)	EC Type Examination PTB 99 ATEX 4051 X (Ex II 1/2 G IIB T4)
Part No./Weight			(C)	(CX)
Immersion length 27" (700 mm)	550 24 807/9.5 lbs	550 25 675/10.6 lbs	550 23 030/10.6 lbs	550 23 410/10.6 lbs
Immersion length 39" (1000 mm)	550 24 810/11.0 lbs	550 25 676/12.1 lbs	550 23 031/12.1 lbs	550 23 411/12.1 lbs
Immersion length 47" (1200 mm)	550 24 812/12.1 lbs	550 25 677/13.2 lbs	550 23 032/13.2 lbs	550 23 412/13.2 lbs

Other lengths on request.

Also available:

• Version with cardan shaft for higher torque

Stators for eccentric worm-drive pumps type F 550 GS

Material	Temperature	Recommended for	Part No./Weight outer-Ø 50 mm	Part No./Weight outer-Ø 54 mm
NBR white (Nitrile Butadiene Rubber) elastomer	194°F (90°C)	particularly suitable for oils and greases, also for food products	550 24 248/1.1 lbs	550 25 621/1.3 lbs
NBR black (Nitrile Butadiene Rubber) elastomer	194°F (90°C)	particularly suitable for oils and greases, not suitable for food products	550 24 244/1.1 lbs	550 25 620/1.3 lbs
FKM (Fluor Rubber) elastomer	248°F (120°C)	excellent chemical resistance to all different kind of products, not suitable for food products	550 24 247/1.1 lbs	550 25 619/1.3 lbs
PTFE (Ethylene-Tetra-Fluor-Ethylene) solid material	248°F (120°C)	excellent chemical resistance, particularly suitable for food products, pharmaceuticals and cosmetics	550 24 256/1.3 lbs	550 25 625 /1.5 lbs

Hose connection in stainless steel, complete with union nut G $1\!\!\!\!/_2$

Type F 550 GS	Part No./Weight
for flexible hose, inside 1" (DN 25)	959 04 002 /0.4 lbs
for flexible hose, inside 1-1/4" (DN 32)	959 04 003/0.6 lbs
for flexible hose, inside 1-1/2" (DN 38)	959 04 004 /0.8 lbs

Sanitary pumps type F 560 S Version with bearing flange

Recommended for transferring

Thin to highly viscous, even pasty, still free flowing substances to 100,000 cPs

Typical applications

A pump designed to meet the specific requirements of the food, cosmetic and pharmaceutical industries.

The sanitary pump type F 560 S can be stripped down in no time for cleaning and/or sterilization. The stator housing comprises a safety bar to protect containers and to allow transfer operations from plastic inliners.

3A-Certificate for USA

The F 560 S pump is available in versions with 3A-approval: ground and polished, equipped with a closed mechanical seal in stainless steel with sliding faces in silicon carbide (SiC).

FLUX FOOD for EU

The eccentric worm-drive pump F 560 S pump is available in FLUX FOOD version conform to the EU regulations (EG) 1935/2004 and (EU) 10/2011 - recognized by the glass fork symbol.

Available drive motors

Three-phase electric motors⁴ or compressed-air motors

Scope of supply

A complete eccentric worm-drive pump consists of: drive motor, pump, stator and hose connection.



Technical data - Flow rate estimates based on varying viscosities

560\$ 50/21		
VISCOSITY	MAX GPM	
(CPS)		
1,000	10	
3,000	8	
10,000	6 - 7	
20,000	4.5	
30,000	4	
40,000	2.5 - 3.5	
50,000	2 - 3	
60,000	1.5 - 2	
70,000	1.5 - 2	
80-100,000	1 - 2	

560\$ 54/26		
VISCOSITY	MAX GPM	
(CPS)	WAX OPW	
1,000	12	
3,000	10	
10,000	8	
20,000	6	
30,000	5.5	
40,000	3.5 - 4.5	
50,000	3 - 4	
60,000	2.5 - 3.5	
70,000	2 - 3	
80-100,000	1 - 2	
	•	



3A certificated version available



products conform to EG 1935/2004 and EU 10/2011 available



Ex-proof versions available

Motor capability can vary depending on flow characteristics of the liquid being pumped.



Eccentric worm-drive pump with mechanical seal in bearing flange version, drive motors see page 16
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Туре	F 560 \$1-50/21	F 560 S2-50/21	F 560 S1XA-50/21	F 560 S2XA-50/21
Delivery rate max.	10 GPM (37 LPM)			
Delivery head max.		116 PS	IG (8 bar)	
Thread on outlet	Rd 58 x 1/6	G 1½ A	Rd 58 x 1/6	G 11/2 A (BSP 11/2" male
Seal type		mechanical seal in SiC, o-	rings in FKM (foodgrade)	
Material	bearing flange, outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti		steel 316 Ti	
Outer-Ø	50 mm			
Stator	not included with the pump, separate part number please see list below		Stator PTFE white, included with the pump	
Explosion-proof according to ATEX-Directive 2014/34/EU for use in Zone 0	not approved for transferring highly flammable liquids in Zone 0		EC Type Examination Cert PTB 99 ATEX 4052 X (Ex I	
Part No./Weight			(EX)	(EX)
Immersion length 27" (700 mm)	560 24 407/9.5 lbs	560 24 507/9.5 lbs	-	-
Immersion length 39" (1000 mm)	560 24 410/12.5 lbs	560 24 510/12.5 lbs	560 20 810/15.6 lbs	560 20 910/12.1 lbs
Immersion length 47" (1200 mm)	560 24 412/13.7 lbs	560 24 512/15.4 lbs	560 20 812/16.7 lbs	560 20 912/13.2 lbs

Туре	F 560 S1-54/26	F 560 S2-54/26	Also available:
Delivery rate max.	12 GPM (45 LPM)		FLUX FOOD pumps conform EG
Delivery head max.	116	PSIG (8 bar)	
Thread on outlet	Rd 58 x 1/6	G 11/2 A	Version with cardan shaft for
Seal type	mechanical seal in	SiC, o-rings in FKM (foodgrade)	higher torque
Material	bearing flange, outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti		 Pumps with right/left rotation for emptying the pump or clearing blockages
Outer-Ø	54 mm		
Stator	not included with the pump, sepa	rate part number please see list below	 Pumps for VISCOFLUX and
Part No./Weight			VISCOFLUX mobile
Immersion length 27" (700 mm)	560 25 507/9.5 lbs	560 25 607/9.5 lbs	 Horizontally mounted versions -
Immersion length 39" (1000 mm)	560 25 510/12.5 lbs	560 25 610/12.5 lbs	see page14
Immersion length 47" (1200 mm)	560 25 512/13.7 lbs	560 25 612/16.5 lbs	

Eccentric worm-drive pumps type F 560 S3A in 3A version

Туре	F 560 S3A-50/21	F 560 S3A-54/26
Delivery rate max.	10 GPM (37 LPM)	12 GPM (45 LPM)
Delivery head max.	116 PSIG (8 bar)	116 PSIG (8 bar)
Thread on outlet	Clamp 2"	Clamp 2"
Seal type		stainless steel, sliding faces in SiC, KM (foodgrade)
Material	bearing flange, outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti, ground and polished	
Outer-Ø	50 mm	54 mm
Stator	stator in PTFE includ	ded with the pump
Part No./Weight		
mmersion length 27" (700 mm)	560 24 007/12.8 lbs	560 25 007 /13.9 lbs
mmersion length 39" (1000 mm)	560 24 010/14.3 lbs	560 25 010 /15.4 lbs
Immersion length 47" (1200 mm)	560 24 012 /15.4 lbs	560 25 012/16.5 lbs

Stator in PTFE, Stator Housing in Stainless Steel with Safety Bar and inliner

Type F 560 S1, S2	Part No./Weight
Outer-Ø 50 mm	560 21 900/1.3 lbs
Outer-Ø 54 mm	560 23 900/1.5 lbs

Hose connection in stainless steel, complete with union nut or clamp connection

Part No./Weight	Type F 560 S1	Type F 560 S2	Туре F 560 S3A
for flexible hose, inside 1" (DN 25)	959 04 115/0.4 lbs	959 04 002/0.4 lbs	-
for flexible hose, inside 1-1/4" (DN 32)	959 04 134/0.6 lbs	959 04 003/0.6 lbs	959 04 137/0.8 lbs
for flexible hose, inside 1-1/2" (DN 38)	959 04 130/0.8 lbs	959 04 004/0.8 lbs	959 04 109/0.8 lbs

Sanitary pumps type F 560 GS with planetary gear

Recommended for transferring

Thin to medium viscosity liquids up to maximum 50,000 cPs.

Typical applications

Very lightweight and easy-to-handle pump for use in the food, cosmetic and pharmaceutical industries. The sanitary pump type F 560 GS can be stripped down in no time for cleaning and/or sterilisation. The stator housing comprises a safety bar to protect containers and to allow transfer out of plastic inliners.

The sanitary pump type F 560 GS is available in special version with 3A-approval: ground, polished, with a closed mechanical seal in stainless steel with sliding faces in silicium carbide (SiC).

Available drive motors

Commutator motors or compressed-air motors.

Infinite speed adjustment - also available on explosion-proof motors - allows the operator to set pump capacity to specific delivery requirements.

Scope of supply

A complete sanitary pump consists of: drive motor, pump, stator and hose connection.

The type XA is delivered with stator.



Technical data - Flow rate estimates based on varying viscosities

F560 GS 50/21		
VISCOSITY	MAX GPM	
(CPS)		
1,000	9	
3,000	7	
10,000	5	
20,000	4.5	
30,000	4	
40,000	2.5 - 3.5	
50,000	2 - 3	

F560 GS 54/26	
MAX GPM	
11	
9	
6.5	
6	
5.5	
3.5 - 4.5	
3 - 4	

Values ± 10 %. Delivery rate depends on the velocity of the fluid.







Eccentric worm-drive pumps in planetary gear version with mechanical seal,

Туре	F 560 GS1-50/21	F 560 GS2-50/21	F 560 GS1XA-50/21	F 560 GS2XA-50/21
Delivery rate max.	10 GPM (37 LPM)			
Delivery head max.		116 PSI	G (8 bar)	
Thread on outlet	Rd 58 x 1/6	G 11/2 A	Rd 58 x 1/6	G 11/2 A (BSP 11/2" male)
Seal type	mechanical seal in SiC, o-rings in FKM (foodgrade)			
Material	outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti		i	
Outer-Ø	50 mm			
Stator	not included with the pump, separate part number please see list below		Stator PTFE white, included	d with the pump
Explosion-proof according to ATEX-Directive 2014/34/EU for use in Zone 0	not approved for transferring highly flammable liquids in Zone 0		EC Type Examination Certi 99 ATEX 4052 X (Ex II 1/2	
Part No./Weight			S	(CA)
Immersion length 27" (700 mm)	560 24 607/9.5 lbs	560 24 707/9.5 lbs	-	-
Immersion length 39" (1000 mm)	560 24 610/12.5 lbs	560 24 710/12.5 lbs	560 21 010/13 lbs	560 21 110/13 lbs
Immersion length 47" (1200 mm)	560 24 612/13.6 lbs	560 24 712/13.6 lbs	560 21 012/13.6 lbs	560 21 112/13.6 lbs

Туре	F 560 GS1-54/26	F 560 GS2-54/26
Delivery rate max.	12 GPM (45 LPM)	
Delivery head max.	116 PSIG (8 bar)	
Thread on outlet	Rd 58 x 1/6	G 11/2 A (BSP 11/2" male)
Seal type	mechanical seal in SiC, o-rings in FKM (foodgrade)	
Material	outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti	
Outer-Ø	54 mm	
Stator	not included with the pump, separate part number please see list below	
Part No./Weight		
Immersion length 27" (700 mm)	560 25 707/9.5 lbs	560 25 807/9.5 lbs
Immersion length 39" (1000 mm)	560 25 710 /12.5 lbs 560 25 810 /12.5 lbs	
Immersion length 47" (1200 mm)	560 25 712 /13.6 lbs 560 25 812 /13.6 lbs	

Also available:

• FLUX FOOD pumps conform EG 1935/2004 und EU 10/2011

• Version with cardan shaft for higher torque

Eccentric worm-drive pumps type F 560 GS3A in 3A Version, drive motors see page 17

Туре	F 560 GS3A-50/21	F 560 GS3A-54/26
Delivery rate max.	10 GPM (37 LPM)	12 GPM (45 LPM)
Delivery head max.	116 PSIG (8 bar)	116 PSIG (8 bar)
Thread on outlet	Clamp 2"	Clamp 2"
Seal type		ainless steel, sliding faces in SiC, FKM (foodgrade)
Material	outer tube, torsion shaft and eccentric worn	n in stainless steel 316 Ti: ground and polished
Outer-Ø	50 mm	54 mm
Stator	stator in PTFE included with the pump	
art No./Weight		
Immersion length 27" (700 mm)	560 24 107/11.9 lbs	560 25 107/12.8 lbs
Immersion length 39" (1000 mm)	560 24 110/12.5 lbs	560 25 110/13.6 lbs
Immersion length 47" (1200 mm)	560 24 112/13.6 lbs	560 25 112/14.8 lbs

Stator in PTFE, stator housing in stainless steel with safety bar and Inliner

Type F 560 GS1, GS2	Part No./Weight
Outer-Ø 50 mm	560 21 900/1.3 lbs
Outer-Ø 54 mm	560 23 900/1.5 lbs

Hose connection in stainless steel, complete with union nut or clamp connection

Part No./Weight	Type F 560 GS1	Type F 560 GS2	Type F 560 GS3A
for flexible hose, inside 1" (DN 25)	959 04 115/0.4 lbs	959 04 002/0.4 lbs	-
for flexible hose, inside 1-1/4" (DN 32)	959 04 134/0.6 lbs	959 04 003/0.6 lbs	959 04 137/0.9 lbs
for flexible hose, inside 1-1/2" (DN 38)	959 04 130/0.9 lbs	959 04 004/0.9 lbs	959 04 109/0.9 lbs

Eccentric worm-drive pumps type F 550 GS6 with planetary gear, ratio 1:6.75

Recommended for transferring

Thin to high viscosity substances up to a maximum viscosity of 80,000 cPs.

Typical applications

Very lightweight and easy-to-handle pump designed for lower capacities. Extremely smooth transfer operations with a speed of 210 or 420 rpm only.

Available drive motors

Single-phase AC motors with capacitor switch or three-phase motors.

Scope of supply

A complete eccentric worm-drive pump consists of: drive motor, pump, stator and hose connection.



F 550 GS6-50/21 with three-phase motor F 403/4

Technical data

Туре	Speed	Curve No.	Performance Chart
F 550 GS6-50/21	Motor 1,450 rpm Pump 210 rpm	0	
1 330 330-30721	Motor 2,850 rpm Pump 420 rpm	2	
	Motor 1,450 rpm Pump 210 rpm	3	5 0 3 2 4
F 550 GS6-54/26	Motor 2,850 rpm Pump 420 rpm	4	4
			3
			2
			0
Values + 10 % Delivery rate	e depends on the velocity of t	he fluid	0 5 10 15 20 25 Q [l/min]

Values \pm 10 %. Delivery rate depends on the velocity of the fluid.



Eccentric worm-drive pumps with mechanical seal and planetary gear version

Туре	F 550 GS6-50/21	F 550 GS6-54/26	F 550 GS6XB-50/21	
Delivery rate max.	3.4 GPM (13 LPM)	5.2 GPM (20 LPM)	8 GPM (30 LPM)	
Delivery head max.		116 PSIG (8 bar)		
Thread on outlet	G 11/2 A (BSP	1½" male) <i>NPT Adapters Available</i>		
Seal type	mechanical s	eal in ceramic oxide, o-rings in FKM		
Material	outer tube, to	rsion shaft and eccentric worm in stai	nless steel 316 Ti	
Outer-Ø	50 mm	54 mm	50 mm	
Stator		not included with the pump, separate part number please see list below		
Ex-marking			1/2 G B T4 🥨	
Part No./Weight				
Immersion length 27" (700 mm)	550 23 200/9.4 lbs	550 23 300/10.5 lbs	-	
Immersion length 39" (1000 mm)	550 23 201/11.0 lbs	550 23 201 /11.0 lbs 550 23 301 /12.1 lbs		
Immersion length 47" (1200 mm)	550 23 202/12.1 lbs	550 23 302/13.2 lbs	-	

Also available:

• Version with cardan shaft for higher torque

Stators for eccentric worm-drive pumps type F 550 GS

Material	Temperature	Recommended for	Part No./Weight outer-Ø 50 mm	Part No./Weight outer-Ø 54 mm
NBR white (Nitrile Butadiene Rubber) elastomer	194°F (90°C)	particularly suitable for oils and greases, also for food products	550 24 248/1.1 lbs	550 25 621/1.3 lbs
NBR black (Nitrile Butadiene Rubber) elastomer	194°F (90°C)	particularly suitable for oils and greases, not suitable for food products	550 24 244/1.1 lbs	550 25 620/1.3 lbs
FKM (Fluor Rubber) elastomer	248°F (120°C)	excellent chemical resistance to all different kind of products, not suitable for food products	550 24 247/1.1 lbs	550 25 619/1.3 lbs
PTFE (Ethylene-Tetra-Fluor-Ethylene) solid material	248°F (120°C)	excellent chemical resistance, particularly suitable for food products, pharmaceuticals and cosmetics	550 24 256/1.3 lbs	550 25 625/1.5 lbs

Hose connection in stainless steel complete with union nut G $1^{1\!/_{\!2}}$

Type F 550 GS6	Part No./Weight
for flexible hose, inside 1" (DN 25)	959 04 002 /0.4 lbs
for flexible hose, inside 1-1/4" (DN 32)	959 04 003/0.6 lbs
for flexible hose, inside 1-1/2" (DN 38)	959 04 004/0.8 lbs

Drive motors for eccentric worm-drive pumps type F 550 GS6

Single-phase AC motors with capacitor switch, 230 Volt, 50/60 Hz, jet-proof to IP 55, with motor protection switch, 16 ft (5m) cable and plug

Туре	Capacity	Speed	Max. Viscosity	Part No./Weight
F 403/2	0.6 HP (0.50 kW)	2,850 rpm	30,000 cPs	403 01 015/17.6 lbs
F 403/4	0.7 HP (0.55 kW)	1,450 rpm	80,000 cPs	403 01 016/24.2 lbs

Three-phase motors 230/400 Volt, 50/60 Hz, jet-proof to IP 55, with motor protection switch, without cable

Туре	Capacity	Speed	Max. Viscosity	Part No./Weight
F 403/4	0.7 HP (0.55 kW)	1,450 rpm	80,000 cPs	403 01 011/17.6 lbs
F 403/2	1 HP (0.75 kW)	2,850 rpm	50,000 cPs	403 01 021/17.6 lbs

Three-phase motors 230/400 Volt, 50/60 Hz, explosion-proof to II 2 G EEx e II T3, with cable terminal box, without cable

Туре	Capacity	Speed	Max. Viscosity	Part No./Weight
F 403/6 Ex	0.7 HP (0.55 kW)	930 rpm	80,000 cPs	403 01 018 /10,0 kg
F 403/4 Ex	0.7 HP (0.55 kW)	1,450 rpm	80,000 cPs	403 01 017/17.6 lbs
F 403/2 Ex	1 HP (0.75 kW)	2,850 rpm	50,000 cPs	403 01 019/17.6 lbs

Accessories	Part No./Weight
Carrying handle, stainless steel for IP 55 motors	001 10 584/2.2 lbs
Carrying handle, stainless steel for explosion-proof motors	001 10 587/2.2 lbs

Recommended for transferring

Thin to high viscosity, even pasty, still free flowing substances.

Typical applications

Eccentric worm-drive pumps Type F 550 TR and F 560 TR are designed for horizontal use. A base plate or a portable cart facilitates the installation with a three-phase electric motor.

This pump design is available in different versions:

Type F 550 SF TR with bearing flange in stainless steel and clamp connection between outer tube and stator housing is recommended for use in pharmaceutical and food industries.

Type F 560 S TR with bearing flange in stainless steel and clamp connection between outer tube and stator housing is recommended for use in cosmetics, food and pharmaceutical industries.

The pump can be stripped down in no time for cleaning and/or sterilization.

A special shaft design allows reversible flow operations.

Available drive motors

Three-phase electric motors with bottom flange

Scope of supply

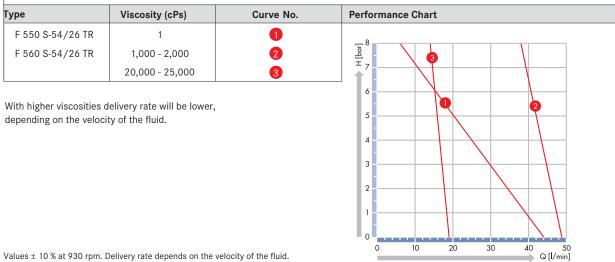
A complete horizontal pump consists of: drive motor, pump and PTFE stator, hose connection on inlet and outlet, base plate or pump trolley.

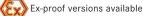


F 550 S-54/26 TR with three-phase motor



Technical data







Туре	F 550 S3-54/2	26 GW TR	F 560 S2-54/26 TR L/R	F 560 S-54/26 TR L/R T ¹
Direction	one direction		clockwis	e / anticlockwise
Delivery rate max.		12 GPM (45 I/min)		
Delivery head max.			116 PSIG (8 bar)	
Connection Suction side Discharge connection	Clamp 2" Clamp 2"		Clamp 2" G 1 ½ A	Clamp 2" Clamp 2"
Seal type		mecha	gs in FKM	
Shaft		pinned cardan shaft		cardan shaft, pinned, easily detachable
Material	flexible shaft ar			aring flange, worm in stainless steel 316 Ti
Outer-Ø			54	
Stator	PTFE		ed in the delivery	
Ex-marking	Ex II 2G c IIB TX	-	-	-
Part No.	550 23 634	550 23 664	560 23 202	560 23 200

	Part No./Weight
Base plate in stainless steel (316 Ti)	001 15 033/12.3 lbs
Pump trolley in stainless steel (304)	001 15 038/19.8 lbs

Hose connection in stainless steel, complete with union nut or clamp connection

Part No./Weight	Type F 550 S TR Outlet G 1½ A (BSP 1½ male)	Type F 550 S TR Inlet G 2 A (BSP 2" male)	Type F 550 S TR Clamp 2"
for flexible hose, inside 1" (DN 25)	959 04 002/0.4 lbs	-	-
for flexible hose, inside 1-1/4" (DN 32)	959 04 003/0.6 lbs	959 04 059/0.6 lbs	959 04 137/0.8 lbs
for flexible hose, inside 1-1/2" (DN 38)	959 04 004/0.8 lbs	959 04 060/0.8 lbs	959 04 109/0.8 lbs

Drive Motors with bottom flange for eccentric worm-drive pumps type F 550 S TR and F 560 S TR

Three-phase motors 230/400 Volt, 50/60 Hz, jet-proof IP 55, with motor protection switch, without cable

Capacity	Speed	Part No./Weight
1 HP (0.75 kW)	700 rpm	001 02 151/48.5 lbs
1.5 HP (1.1 kW)	930 rpm	001 02 159 /37.4 lbs

Drive motors with bottom flange in other capacities on request.

Accessories for drive motors see page 16



Drive motors for eccentric worm-drive pumps

Drive motors for eccentric worm-drive pumps type F 550 and F 560 * version with bearing flange





Compressed-air motor

1Cx

Three-phase motors 230/400 Volt, 50/60 Hz, with motor protection switch, without cable

Capacity	Speed	Enclosure	Part No./Weight
1 HP (0.75 kW	930 rpm	IP 55	001 01 052/27.5 lbs
1 HP (0.75 kW	700 rpm	IP 55	001 01 546/48.5 lbs
1.25 HP (1.1 kW)	930 rpm	IP 55	001 01 053/32.5 lbs
1.25 HP (1.1 kW)	700 rpm	IP 55	001 01 547/50.7 lbs

Three-phase motors 230/400 Volt, 50/60 Hz, with cable terminal box, without cable

Capacity	Speed	Enclosure	Part No./Weight
1 HP (0.75 kW	930 rpm	IP 55	001 01 030/27.5 lbs
1 HP (0.75 kW	700 rpm	IP 55	001 01 506/48.5 lbs
1.25 HP (1.1 kW)	930 rpm	IP 55	001 01 031/32.5 lbs
1.25 HP (1.1 kW)	700 rpm	IP 55	001 01 507/50.7 lbs

Three-phase motors 230/	it cable		
Capacity	Speed	Explosion-proof to	Part No./Weightt
1 HP (0.75 kW)	930 rpm	II 2 G EEx e II T3	001 01 066 /33.0 lbs
1.25 HP (1.1 kW)	930 rpm	II 2 G EEx e II T4	001 01 067 /39.6 lbs
1.5 HP (0.95 kW)	700 rpm	II 2 G EEx e II T4	001 01 567 /48.5 lbs

*drive motors for sanitary pumps in special white painting on request

Accessories	Part No./Weight
Carrying handle, stainless steel	001 10 571 /2 2 lba
for three-phase motors, not explosion-proof for three-phase motors, explosion-proof	001 10 571/2.2 lbs 001 10 586/2.6 lbs
Power supply cable, 16ft (5m) long with plug 16ft (5m) long without plug yardware	934 08 020 /2.8 lbs 934 08 025 /2.8 lbs 934 08 901 /0.4 lbs
Cekon-plug, 5-pole	937 01 014/0.2 lbs
Motor protection switch, explosion-proof to II 2 G EEx de IIC T6	
1 HP (0.75 kW), 700 and 930 rpm, range of setting 1.6 – 2.5 A	936 06 118/5.7 lbs
1.25 HP and 1.5 HP (0.95 and 1.1 kW), 700 and 930 rpm, range of setting 2.5 – 4.0 A	936 06 119/5.7 lbs

Compressed-air motors, max. operating pressure 100 PSIG explosion-proof to II 2 G D c T4

Туре	Capacity	Speed at 87 PSIG	Includes:	Part No./Weightt
G22A	1.5 HP	900 rpm	Motor, mounting plate, speed controller, coupling and bolts	FLU 01 002/11.0 lbs
G11A	4 HP	900 rpm	Motor, mounting plate, speed controller, coupling and bolts	FLU 01 017/15.4 lbs
G28A	5 HP	900 rpm	Motor, mounting plate, speed controller, coupling and bolts	FLU 01 018/22.0 lbs
			•	

Accessories	Part No/Weight
Carrying handle, stainless steel	001 10 520/2.2 lbs
Filter-regulator-lubricator unit	FLU 00 041/2.2 lbs
Compressed-air hose, in PVC, DN 13, yardware	001 10 008 /0.4 lbs
Hose coupling, brass, for compressed-air hose DN 13	959 13 122/0.2 lbs
Nipple, brass, for hose coupling DN 13 - G 1/2 A (BSP 1/2" male)	959 13 121/0.2 lbs
Hose nozzle, brass, for compressed-air hose, DN 13 - G 1/2 A (BSP 1/2" male)	959 05 017 /0.2 lbs



Drive motors for eccentric worm-drive pumps type F 550 and F 560 version with planetary gear





F 457/F 457 EL



F 458/F 458-1



F 460 Ex/F 460-1 Ex

Commutator motors 120V/60 Hz, 230 V/50/60 Hz, 16 ft (5m) cable and plug

Туре	Capacity	Protected to	Part No./Weight version with NVR*	Part No./Weight version without NVR*
FEM 4070	500 Watt	splash proof IP 24	407 01 000/5.7 lbs	407 01 001/5.7 lbs
F 457	800 Watt	splash proof IP 24	457 01 005/8.8 lbs	457 01 002/8.8 lbs
F 457 EL**	800 Watt	splash proof IP 24	457 01 003/8.8 lbs	457 01 041/8.8 lbs
F 458	460 Watt	jet-proof to IP 55	458 00 006/11.2 lbs	458 00 001/11.2 lbs
F 458 EL**	460 Watt	jet-proof to IP 55	458 00 027/11.2 lbs	-
F 458-1	700 Watt	jet-proof to IP 55	458 01 004/13.0 lbs	458 01 001/13.0 lbs
F 460 Ex	460 Watt	II 2 G Ex de IIC T6 Gb	460 00 006/11.2 lbs	460 00 001/11.2 lbs
F 460 Ex EL**	460 Watt	II 2 G Ex de IIC T6 Gb	460 00 028/11.2 lbs	-
F 460-1 Ex	700 Watt	II 2 G Ex de IIC T6 Gb	460 01 004/13.0 lbs	460 01 001/13.0 lbs

NVR* = no-volt release

EL** = version with infinitely variable speed variator

Accessories	Part No./Weight
Carrying handle, steel painted in black for drive motor Type F 457 for drive motors Type F 458 and F 460 Ex	001 10 533 /.6 lbs 001 10 557 /.6 lbs



Compressed air motors, max. operating pressure 6 bar, thread for compressed air hose G $^{1\!/}_{4}$ (BSP $^{1\!/}_{4}$ female)

Туре	Capacity	Explosion-proof to	Version	Part No./Weight
F 416 Ex	470 Watt	II 2 G cp IIC T6	with trigger valve	416 00 122/3.1 lbs
F 416-1 Ex	470 Watt	II 2 G cp IIC T6	without valve	416 00 125/1.9 lbs
F 416-2 Ex	470 Watt	II 2 G cp IIC T6	with ball valve	416 00 030/2.2 lbs

Accessories	Part No./Weight
Filter-regulator-lubricator unit	FLU 00 041/2. lbs
Compressed-air hose, electrically conductive, DN 10, yardware	001 10 098/.4 lbs
Hose coupling, brass, for compressed-air hose DN 10	959 13 066/.2 lbs
Nipple brass, for hose coupling DN 10 - G 1/4 A (BSP 1/4" male)	959 13 065/.2 lbs
Hose nozzle, brass, for compressed-air hose, DN 10 - G 1/4 A (BSP 1/4" male)	959 05 022/.2 lbs

Further accessories for drive motors please see special brochure FLUX ACCESSORIES.

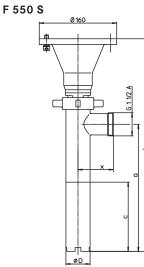
Viscosity Chart

Media	Viscosity	Temperature	Media	Viscosity	Temperature
Alkyd resins	500-3,000 cPs	68°F (20°C)	Molasses 80° Bx	10,000 cPs	68°F (20°C)
Apple-purée	1,500 cPs	68°F (20°C)	Molasses 83° Bx	50,000 cPs	68°F (20°C)
Baby food	1,400 cPs	68°F (20°C)	Molasses 85° Bx	100,000 cPs	68°F (20°C)
Brewers's yeast	370 cPs	68°F (20°C)	Motor oil SAE 10W	160 cPs	68°F (20°C)
Butter	30,000 cPs	104°F (40°C)	Motor oil SAE 140	2,300 cPs	68°F (20°C)
Butter cream, sour	550 cPs	68°F (20°C)	Motor oil SAE 20W	160 cPs	68°F (20°C)
Butter fat	45 cPs	104°F (40°C)	Motor oil SAE 30	380 cPs	68°F (20°C)
Castor oil	2,420 cPs	50°F (10°C)	Motor oil SAE 40	600 cPs	68°F (20°C)
Castor oil	1,000 - 1,500 cPs	68°F (20°C)	Motor oil SAE 50	900 cPs	68°F (20°C)
Caustic soda 50 %	45 cPs	68°F (20°C)	Motor oil SAE 5W	50 cPs	68°F (20°C)
Chocolate confectionery	2,600 cPs	104°F (40°C)	Motor oil SAE 90	700 cPs	68°F (20°C)
Chocolate sauce	280 cPs	50°F (10°C)	Oleic acid	40 cPs	68°F (20°C)
Cleaning emulsions	1,500 cPs	158°F (70°C)	Olive oil	85 cPs	68°F (20°C)
Cocao butter	50 cPs	140°F (60°C)	Palm oil	130 cPs	68°F (20°C)
Cocao paste	4,000 cPs	68°F (20°C)	Paraffin emulsion	3,000 cPs	68°F (20°C)
Coconut oil	80 cPs	68°F (20°C)	Peanut oil	40 cPs	104°F (40°C)
Cod-liver oil	35 cPs	104°F (40°C)	Polyester resin	3,000 cPs	86°F (30°C)
Corn oil	30 cPs	140°F (60°C)	Polyglycerine caprinate	6,000-7,000 cPs	59°F (15°C)
Cotton seed oil	60 cPs	68°F (20°C)	Polymer solution	20,000 cPs	68°F (20°C)
Cream, 30-50 % fat	11-115 cPs	68°F (20°C)	Polyol (A-Component)	85,000 cPs	50°F (10°C)
Dental adhesive	30,000 cPs	68°F (20°C)	Polyol, non-pigmented	500-5,000 cPs	68°F (20°C)
Dipropyleneglycol	107 cPs	68°F (20°C)	Potassium hydroxide	67 cPs	68°F (20°C)
Evaporated milk	80 cPs	104°F (40°C)	Printing ink (and colours)	550-2,200 cPs	104°F (40°C)
Evaporated milk, sweetened	6,100 cPs	68°F (20°C)	Pudding	1,000 cPs	104°F (40°C)
Fruit juice	50 cPs	68°F (20°C)	Rapeseed oil	160 cPs	68°F (20°C)
Fruit juice concentrate	1,500 cPs	68°F (20°C)	Resin solution	7,100 cPs	68°F (20°C)
Fruit mash	600 cPs	68°F (20°C)	Salad dressing	1,300-2,600 cPs	68°F (20°C)
Gelatine	1,200 cPs	113°F (45°C)	Salad oil	65 cPs	68°F (20°C)
Glucose	4,300-6,800 cPs	77-86°F (25-30°C)	Shampoo	3,000 cPs	68°F (20°C)
Glycerine 100 %	4,500 cPs	50°F (10°C)	Soft cheese	30,000 cPs	140°F (60°C)
Glycerine 100 %	1,490 cPs	68°F (20°C)	Soybean oil	80 cPs	68°F (20°C)
Glycol	20 cPs	68°F (20°C)	Soybean oil, treated	600-800 cPs	68°F (20°C)
Gravy	110 cPs	176°F (80°C)	Starch solution 25° Baumé	300 cPs	68°F (20°C)
Hand creme	8,000 cPs	68°F (20°C)	Steam turbine oil	300-1,100 cPs	68°F (20°C)
Honey	2,000 cPs	104°F (40°C)	Sugar solution 65° Bx	120 cPs	68°F (20°C)
Jam	8,500 cPs	68°F (20°C)	Sugar solution 70° Bx	400 cPs	68°F (20°C)
Lacquers (25 % pigments)	3,000 cPs	68°F (20°C)	Tomato ketchup	1,000 cPs	86°F (30°C)
Lard	65 cPs	104°F (40°C)	Tomato paste	195 cPs	68°F (20°C)
Latex emulsions	200 cPs	68°F (20°C)	Tooth paste	70,000 cPs	104°F (40°C)
Linseed oil	55 cPs	68°F (20°C)	Train oil	100 cPs	68°F (20°C)
Liqueurs	10-100 cPs	68°F (20°C)	Transformer oil	30 cPs	86°F (30°C)
Liquid egg	150 cPs	113°F (45°C)	Transformer oil	75 cPs	50°F (10°C)
Liquid soap	85 cPs	140°F (60°C)	Vegetable soup	430 cPs	68°F (20°C)
Liquid wax	500 cPs	194°F (90°C)	Vitamin oil	4,500 cPs	50°F (10°C)
Lubricating oil	60-200 cPs	68°F (20°C)	Water-based lacquer	900 cPs	68°F (20°C)
Machine oil, heavy	600 cPs	68°F (20°C)	Whey	800-1,500 cPs	104°F (40°C)
Machine oil, light	150 cPs	68°F (20°C)	Whipped foods	1,500 cPs	104°F (40°C)
Malt extract	9,500 cPs	68°F (20°C)	White oil	300 cPs	68°F (20°C)
Mayonnaise	2,000 cPs	68°F (20°C)	Yogurt	150 cPs	104°F (40°C)

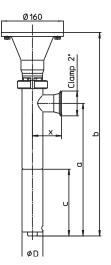
The media listed above have to be considered as examples only, as their viscosity may change substantially due to different composition and/or other temperatures. An in-service test will provide the utmost certainty in selecting the most suitable pump type. This applies especially to "Non-Newtonian liquids", the exact viscosity of which is difficult to define and may change during pumping operation (intrinsic viscosity). FLUX sales representatives will be at your disposal for an individual demonstration.

Dimensions

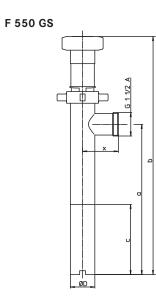


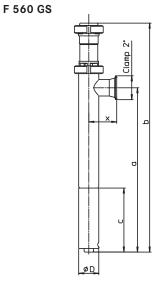


F 560 S



Туре				F 550 S	F 550 S-50/21		F 560 S-50/21	
Dimensions in mm	ØD	х	а	b	с	b	с	
Immersion length 27" (700 mm)	50	73	714	897	143	897	145	
Immersion length 39" (1000 mm)	50	73	1014	1197	143	1197	145	
Immersion length 47" (1200 mm)	50	73	1214	1397	143	1397	145	
Туре				F 550 S-54/26		F 560 S	F 560 S-54/26	
Dimensions in mm	ØD	х	а	b	с	b	с	
Immersion length 27" (700 mm)	54	75	740	923	170	924	172	
Immersion length 39" (1000 mm)	54	75	1040	1223	170	1224	172	
Immersion length 47" (1200 mm)	54	75	1240	1423	170	1424	172	
				1		(

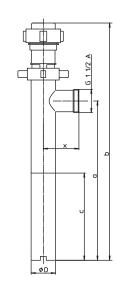




Туре	F 550 (F 550 GS-50/21		F 560 GS-50/21					
Dimensions in mm	ØD	х	а	b	с		b	с	
Immersion length 27" (700 mm)	50	73	714	887	143		887	145	
Immersion length 39" (1000 mm)	50	73	1014	1187	143		1187	145	
Immersion length 47" (1200 mm)	50	73	1214	1387	143		1387	145	
Туре				F 560 (GS-54/26				
Dimensions in mm	ØD	х	а	b	с				
Immersion length 27" (700 mm)	54	75	740	914	172				
Immersion length 39" (1000 mm)	54	75	1040	1214	172				
Immersion length 47" (1200 mm)	54	75	1240	1414	172				

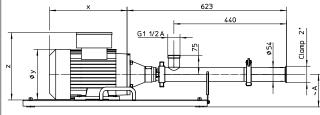
Dimensions

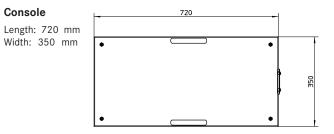
F 550 GS6



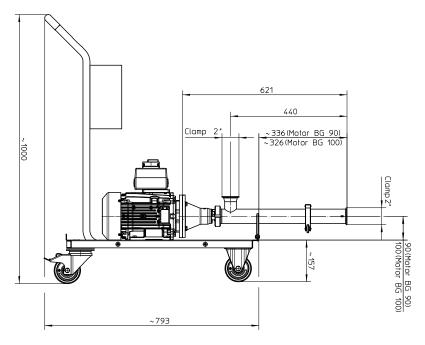
Type F 550 GS6-50/21				F 550	F 550 GS6-54/26					
Dimensions in mm	ØD	х	а	b	с	ØD	x	а	b	с
Immersion length 27" (700 mm)	50	73	713	867	143	54	75	740	894	170
Immersion length 39" (1000 mm)	50	73	1013	1167	143	54	75	1040	1194	170
Immersion length 47" (1200 mm)	50	73	1213	1367	143	54	75	1240	1394	170

F 550 S-54/26 TR





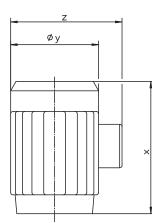
Pump trolley with pump F 560 S-54/26 TR



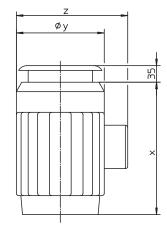


Ζ

Three-phase motor for pumps with flange TPM IP 55



TPM Ex



Three-phase motors (TPM), jet-proof to IP 55, for use with F 550 S and F 560 S

Capacity	Speed	X	ØY	КК	MSS
0.75 kW	930 rpm	286	182	244	305
0.75 kW	700 rpm	303	196	254	314
1.1 kW	930 rpm	303	182	244	305
1.1 kW	700 rpm	303	196	254	314

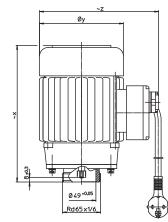
Three-phase motors (TPM), explosion-proof, for use with F 550 S and F 560 S

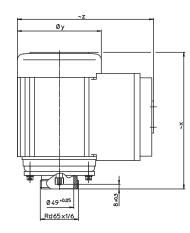
Capacity	Speed	X	ØY	Ζ (ΚΚ)
0.75 kW	930 rpm	244	176	237
1.1 kW	930 rpm	269	176	237
0.95 kW	700 rpm	303	196	256
1.1 kW	700 rpm	303	196	252

трм

Motors for pumps with planetary gear GS6

SPM





Single-phase motor (SPM) with capacitor switch, for use with F 550 GS6

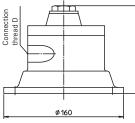
Гуре	Capacity	Speed	Х	ØY	Ζ (ΚΚ)
F 403/2	0.5 kW	2850 rpm	233	143	203
F 403/4	0.55 kW	1450 rpm	259	160	208

Three-phase motor (TPM), jet-proof to IP 55, for use with F 550 GS6

Гуре	Capacity	Speed	Х	ØY	Z (MSS)
F 403/4	0.55 kW	1450 rpm	233	143	257
F 403/2	0.75 kW	2850 rpm	259	160	277

Dimensions

Compressed-air motors



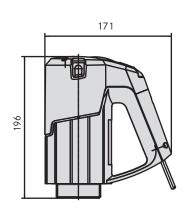
for use with F 550 S and F 560 S version with bearing flange

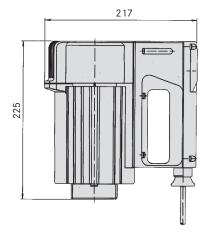
	Туре	Capacity	Speed	х	Connection thread D
×	FPM 4 Ex	0.5 kW	1000 rpm	117	G ¾ (BSP ¾" female)
	FPM 6 Ex	1.1 kW	1000 rpm	155	G 1/2 (BSP 1/2" female)
	FPM 8 Ex	1.8 kW	1000 rpm	177	G 1/2 (BSP 1/2" female)

Drive motors for F 550 and F 560 version with planetary gear GS

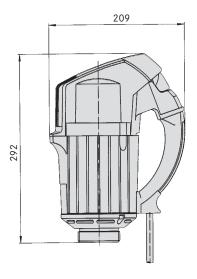
FEM 4070

F457/F457EL





F 458/F 458 EL/F 458-1/F 460 Ex/F 460 Ex EL/F 460-1 Ex



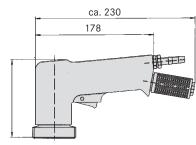
Compressed-air motor for F 550 and F 560 with planetary gear GS

F416 Ex

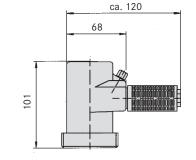


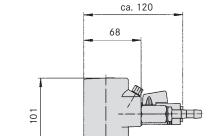


F 4 1 6 - 2 Ex









With motor and pump assembled, the total length reduces by 16 mm

FLUX drum emptying systems VISCOFLUX





VISCOFLUX lite / VISCOFLUX lite E

The FLUX specialist for transferring higher-viscosity media that are just capable of flowing

The drum emptying system VISCOFLUX lite is used to transfer higherviscosity media which are just capable of flowing, out of ISO drums with lid. In the Ex version it is suitable for the use in hazardous areas of zone 1 and for transferring a wide variety of flammable media (zone 0/1). The system transports the media gently and continuously. Like the VISCOFLUX and the VISCOFLUX mobile, the VISCOFLUX lite leaves just less than 1 % of the media in the drum.

Advantages

- **Resource-saving up to less than 1 % residue** Efficient use of the medium and low expenditure for disposal
- Ex-Version available For applications in zone 0/1
- Continuous and gentle transport No structural change of the medium
- **Customised solution** Due to individual selection of drive motor in combination with matching eccentric worm-drive pump
- Quick to install With few components
- For ISO drums Ø 571 mm
- For sea container drums Ø 540 mm at the top, Ø 571 mm at the bottom
- Ask about custom capability for container sizes not listed



VISCOFLUX mobile S

The stand-alone solution for transferring high-viscosity fluids

VISCOFLUX mobile is a portable and thus very flexible variant of the tried and tested VISCOFLUX drum emptying system. VISCOFLUX mobile is ideal for the gentle conveyance of high-viscosity, paste-like and non-free flowing materials to 500,000+ cPs, even from conical drums with aseptic bags. Industrial and Pharma Food Cosmetic versions are available - each for various drum diameters.

Advantages

- Mobile use Can be moved to the drum without a crane or fork-lift truck
- Low space requirement Can be transported even in lifts
- One transfer system for different drum types Also suitable for conical drums and for drums which have suffered the usual transportation dents
- Energy savings Usually no heating of the medium necessary
- No structural change to the medium Due to gentle, continuous transport
- Completely made of stainless steel, protection class IP 66
- Ask about custom capability for container sizes not listed

(For further information please reference the brochures for the products above)







Today the FLUX name is recognised around the globe as the trademark for top standards in pump technology. Everything started with the invention of the electric drum pump in 1950. Nowadays FLUX has an extensive range of products each of which can be customized. FLUX pumps are used for example in the chemical and pharmaceutical industries; in machinery and plant engineering as well as companies in electroplating, effluent treatment and the foodstuffs sector.

Whether single-product or system solution – FLUX quality is synonymous with a long service life, excellent economy and maximum safety.

In addition to the excellent product quality FLUX customers appreciate the superb level of expertise our staff has to offer as well as their genuine customer focus.

These days FLUX-GERÄTE GMBH supplies pumps to almost 100 countries around the globe.

FLUX PUMPS CORPORATION

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