

SANITARY PUMPS TYPE F 560 S VERSION WITH BEARING FLANGE

Recommended for transferring

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

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 sterilisation. The stator housing comprises a safety bar to protect containers and to allow transfer operations from plastic inliners.

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

Seal type

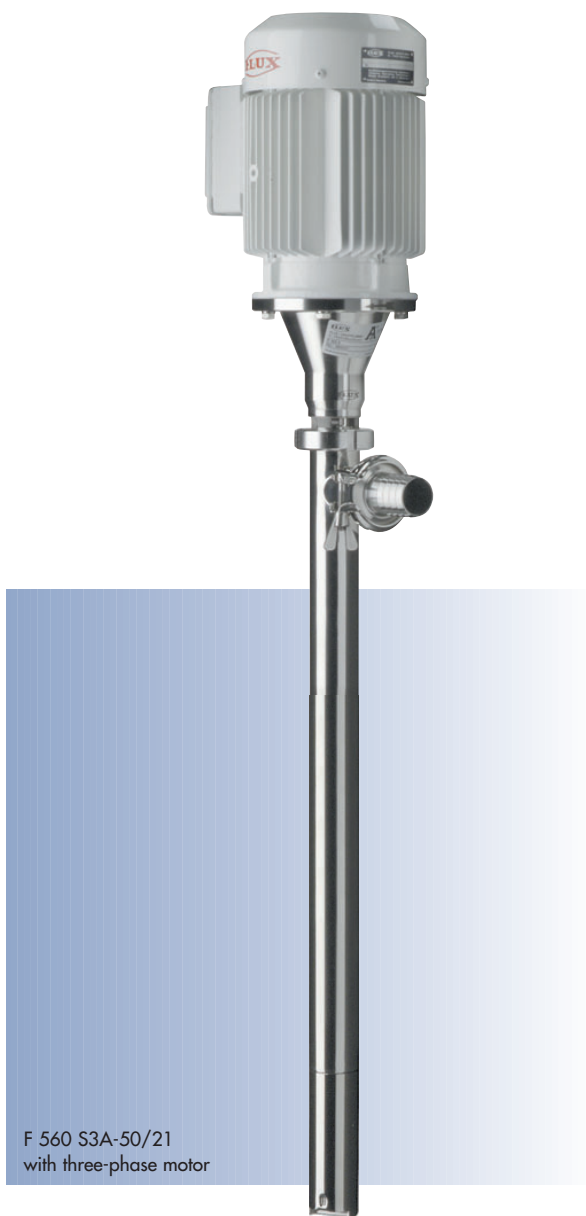
Mechanical seal

Available drive motors

Three-phase electric motors or compressed air motors

Scope of supply

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



TECHNICAL DATA

Type	Viscosity mPas (cP)	Curve No.	Performance Chart
F 560 S1-50/21	1	1	
F 560 S2-50/21	1.000–2.000	2	
F 560 S3A-50/21	20.000–25.000	3	
F 560 S1-54/26	1	4	
F 560 S2-54/26	1.000–2.000	5	
F 560 S3A-54/26	20.000–25.000	6	

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

Values $\pm 10\%$ at 930 rpm. Delivery rate depends on the velocity of the fluid.

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SANITARY PUMP TYPE F 560 S VERSION WITH BEARING FLANGE, WITHOUT DRIVE MOTOR

Type	F 560 S1-50/21	F 560 S2-50/21	F 560 S1XA-50/21	F 560 S2XA-50/21
Delivery rate max.	30 l/min	30 l/min	30 l/min	30 l/min
Delivery head max.	8 bar	8 bar	8 bar	8 bar
Thread on outlet	Rd 58 x 1/6	G 1 1/2 A (BSP 1 1/2" male)	Rd 58 x 1/6	G 1 1/2 A (BSP 1 1/2" 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			
Outer-Ø	50 mm	50 mm	50 mm	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 Directive 94/9/EC-ATEX 100	not approved for transferring high flammability liquids in Zone 0		EC Type Examination Certificate No. PTB 99 ATEX 4052 X (Ex II 1/2 IIA T4)	
Part No./Weight				
Immersion length 700 mm	560 20 007 /5,8 kg	560 20 107 /5,8 kg	–	–
Immersion length 1000 mm	560 20 010 /6,5 kg	560 20 110 /6,5 kg	560 20 810 /7,1 kg	560 20 910 /7,1 kg
Immersion length 1200 mm	560 20 012 /7,0 kg	560 20 112 /7,0 kg	560 20 812 /7,6 kg	560 20 912 /7,6 kg

Type	F 560 S1-54/26	F 560 S2-54/26
Delivery rate max.	50 l/min	50 l/min
Delivery head max.	8 bar	8 bar
Thread on outlet	Rd 58 x 1/6	G 1 1/2 A (BSP 1 1/2" 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	
Outer-Ø	54 mm	54 mm
Stator	not included with the pump, separate part number please see list below	
Part No./Weight		
Immersion length 700 mm	560 22 007 /6,3 kg	560 22 107 /6,3 kg
Immersion length 1000 mm	560 22 010 /7,0 kg	560 22 110 /7,0 kg
Immersion length 1200 mm	560 22 012 /7,5 kg	560 22 112 /7,5 kg

SANITARY PUMPS TYPE F 560 S3A IN 3A VERSION, WITHOUT DRIVE MOTOR

Type	F 560 S3A-50/21	F 560 S3A-54/26
Delivery rate max.	30 l/min	50 l/min
Delivery head max.	8 bar	8 bar
Thread on outlet	Clamp 2"	Clamp 2"
Seal type	closed mechanical seal in stainless steel, sliding faces in SiC, O-rings in FKM (foodgrade)	
Material	bearing flange, outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti, ground and polished	
Outer-Ø	50 mm	50 mm
Stator	not included with the pump, separate part number please see list below	
Part No./Weight		
Immersion length 700 mm	560 20 607 /5,8 kg	560 22 607 /6,3 kg
Immersion length 1000 mm	560 20 610 /6,5 kg	560 22 610 /7,0 kg
Immersion length 1200 mm	560 20 612 /7,0 kg	560 22 612 /7,5 kg

STATOR IN PTFE, STATOR HOUSING IN STAINLESS STEEL WITH SAFETY BAR

Part No./Weight	Type F 560 S1 and F 560 S2	Type F 560 S3A
Outer-Ø 50 mm	560 21 900 /0,6 kg	560 21 901 /0,6 kg
Outer-Ø 54 mm	560 23 900 /0,7 kg	560 23 901 /0,7 kg

HOSE CONNECTION IN STAINLESS STEEL, COMPLETE WITH UNION NUT OR CLAMP CONNECTION

Part No./Weight	Type F 560 S1	Type F 560 S2	Type F 560 S3A
for flexible hose, inside Ø DN 25	959 04 115 /0,2 kg	959 04 002 /0,2 kg	–
for flexible hose, inside Ø DN 32	959 04 134 /0,3 kg	959 04 003 /0,3 kg	959 04 137 /0,4 kg
for flexible hose, inside Ø DN 38	959 04 130 /0,4 kg	959 04 004 /0,4 kg	959 04 109 /0,4 kg

Drive motors see page 16