

# SANITARY PUMPS TYPE F 560 S VERSION WITH BEARING FLANGE

## Recommended for transferring

Thin to highly viscous, 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 liners.

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 silicium carbide (SiC).

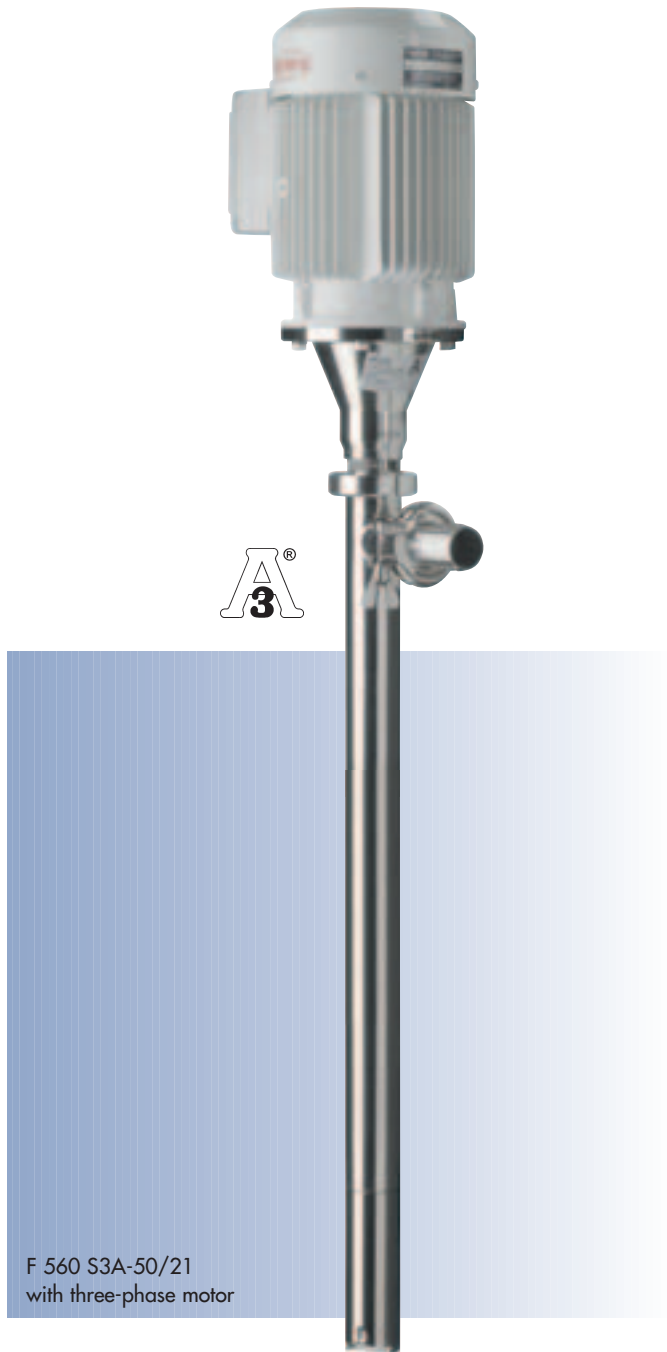
## Available drive motors

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.

The type XA is delivered with stator.



## 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.

### Eccentric Worm-Drive Pump with mechanical seal in bearing flange version, drive motors see page 16

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	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 ATEX-Directive 94/9/EC	not approved for transferring highly flammable liquids in Zone 0		EC Type Examination Certificate No. PTB 99 ATEX 4052 X (Ex II 1/2 IIA T4)	
<b>Part No./Weight</b>				
Immersion length 700 mm	<b>560 20 007</b> /5,8 kg	<b>560 20 107</b> /5,8 kg	-	-
Immersion length 1000 mm	<b>560 20 010</b> /6,5 kg	<b>560 20 110</b> /6,5 kg	<b>560 20 810</b> /7,1 kg	<b>560 20 910</b> /7,1 kg
Immersion length 1200 mm	<b>560 20 012</b> /7,0 kg	<b>560 20 112</b> /7,0 kg	<b>560 20 812</b> /7,6 kg	<b>560 20 912</b> /7,6 kg

Type	F 560 S1-54/26	F 560 S2-54/26	F 560 S3-54/26
Delivery rate max.	50 l/min	50 l/min	50 l/min
Delivery head max.	8 bar	8 bar	8 bar
Thread on outlet	Rd 58 x 1/6	G 1 1/2 A	Clamp 2"
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	54 mm
Stator	not included with the pump, separate part number please see list below		
<b>Part No./Weight</b>			
Immersion length 700 mm	<b>560 22 007</b> /6,3 kg	<b>560 22 107</b> /6,3 kg	<b>560 22 207</b> /6,3 kg
Immersion length 1000 mm	<b>560 22 010</b> /7,0 kg	<b>560 22 110</b> /7,0 kg	<b>560 22 210</b> /7,0 kg
Immersion length 1200 mm	<b>560 22 012</b> /7,5 kg	<b>560 22 112</b> /7,5 kg	<b>560 22 212</b> /7,5 kg

### Eccentric Worm-Drive Pumps Type F 560 S3A in 3A version

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	54 mm
Stator	stator in PTFE included with the pump	
<b>Part No./Weight</b>		
Immersion length 700 mm	<b>560 24 007</b> /5,8 kg	<b>560 25 007</b> /6,3 kg
Immersion length 1000 mm	<b>560 24 010</b> /6,5 kg	<b>560 25 010</b> /7,0 kg
Immersion length 1200 mm	<b>560 24 012</b> /7,0 kg	<b>560 25 012</b> /7,5 kg

### Stator in PTFE, Stator Housing in Stainless Steel with Safety Bar

Type F 560 S1, S2 and S3	Part No./Weight
Outer-Ø 50 mm	<b>560 21 900</b> /0,6 kg
Outer-Ø 54 mm	<b>560 23 900</b> /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 S3 and S3A
for flexible hose, inside Ø <b>DN 25</b>	<b>959 04 115</b> /0,2 kg	<b>959 04 002</b> /0,2 kg	-
for flexible hose, inside Ø <b>DN 32</b>	<b>959 04 134</b> /0,3 kg	<b>959 04 003</b> /0,3 kg	<b>959 04 137</b> /0,4 kg
for flexible hose, inside Ø <b>DN 38</b>	<b>959 04 130</b> /0,4 kg	<b>959 04 004</b> /0,4 kg	<b>959 04 109</b> /0,4 kg