

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.



F 560 GS3A-54/26 with air motor F 416-2 Ex

Technical data - Flow rate estimates based on varying viscosities

F560 GS 50/21	
VISCOSITY (CPS)	MAX GPM
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	
VISCOSITY (CPS)	MAX GPM
1,000	11
3,000	9
10,000	6.5
20,000	6
30,000	5.5
40,000	3.5 - 4.5
50,000	3 - 4

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



¹ 3A certificated version available



² products conform to EG 1935/2004 and EU 10/2011 available



³ Ex-proof versions available

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

Type	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 PSIG (8 bar)			
Thread on outlet	Rd 58 x 1/6	G 1½ A	Rd 58 x 1/6	G 1½ A (BSP 1½" 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	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 Certificate No. PTB 99 ATEX 4052 X (Ex II 1/2 G IIA T4)	
Part No./Weight				
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

Type	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 1½ A (BSP 1½" 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

Type	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	closed mechanical seal in stainless steel, sliding faces in SiC, o-rings in FKM (foodgrade)	
Material	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	
Part 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

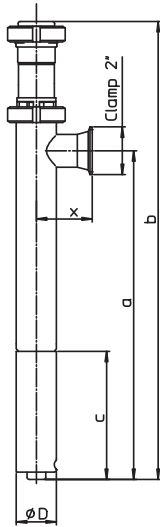
Stator in PTFE, stator housing in stainless steel with safety bar and Inliner

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

F 560 GS



Type				F 560 GS-50/21	
Dimensions in mm	ØD	x	a	b	c
Immersion length 27" (700 mm)	50	73	714	887	145
Immersion length 39" (1000 mm)	50	73	1014	1187	145
Immersion length 47" (1200 mm)	50	73	1214	1387	145
Type				F 560 GS-54/26	
Dimensions in mm	ØD	x	a	b	c
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