

# ECCENTRIC WORM-DRIVE PUMPS TYPE F 550 GS AND F 550 GSB WITH PLANETARY GEAR

## Recommended for transferring

Thin to medium viscosity liquids up to a maximum viscosity of 30.000 mPas (cP).

## Typical applications

Liquid transfer from barrels and/or containers.  
The eccentric worm-drive pumps type F 550 GS and F 550 GSB are particularly lightweight and easy-to-handle, making them extremely versatile pumps.  
The lightest model has a weight of 5,5 kg only.  
The weight of the complete pump depends on the immersion length and motor assembly.

## Seal type

Type F 550 GS with mechanical seal or  
Type F 550 GSB with stuffing box

## Available drive motors

Commutator motors or compressed air motors.

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

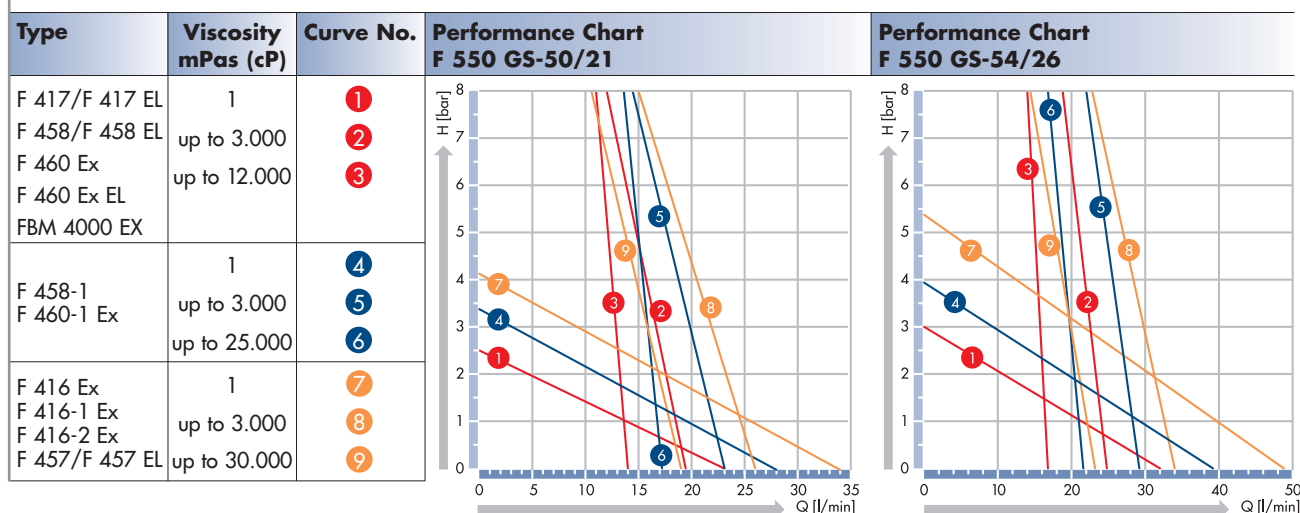
## Scope of supply

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



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

## TECHNICAL DATA



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



# ECCENTRIC WORM-DRIVE PUMPS TYPE F 550 GS AND F 550 GSB WITH PLANETARY GEAR, WITHOUT DRIVE MOTOR

Type	F 550 GS-50/21	F 550 GSB-50/21	F 550 GSXA-50/21	F 550 GSXB-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	G 1½ A (BSP 1½" male)	G 1½ A (BSP 1½" male)	G 1½ A (BSP 1½" male)	G 1½ A (BSP 1½" male)
Seal type	mechanical seal in ceramic oxide, o-rings in FPM	stuffing box in PTFE, re-adjustable	mechanical seal in ceramic oxide, o-rings in FPM	mechanical seal in ceramic oxide, o-rings in FPM
Material	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	Stator PTFE black, 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 4050 X (Ex II 1/2 G IIA T4)	EC Type Examination Certificate No. PTB 99 ATEX 4051 X (Ex II 1/2 G IIB T4)
Part No./Weight				
Immersion length 700 mm	550 24 807/4,3 kg	550 24 838/4,3 kg	550 23 030/4,8 kg	550 23 410/4,8 kg
Immersion length 1000 mm	550 24 810/5,0 kg	550 24 839/5,0 kg	550 23 031/5,5 kg	550 23 411/5,5 kg
Immersion length 1200 mm	550 24 812/5,5 kg	550 24 840/5,5 kg	550 23 032/6,0 kg	550 23 412/6,0 kg

Type	F 550 GS-54/26	F 550 GSB-54/26
Delivery rate max.	50 l/min	50 l/min
Delivery head max.	8 bar	8 bar
Thread on outlet	G 1½ A (BSP 1½" male)	G 1½ A (BSP 1½" male)
Seal type	mechanical seal in ceramic oxide, o-rings in FPM	stuffing box in PTFE, re-adjustable
Material	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	550 25 675/4,8 kg	550 25 697/4,8 kg
Immersion length 1000 mm	550 25 676/5,5 kg	550 25 698/5,5 kg
Immersion length 1200 mm	550 25 677/6,0 kg	550 25 699/6,0 kg

Other lengths on request

## STATORS FOR ECCENTRIC WORM-DRIVE PUMPS TYPE F 550 GS AND F 550 GSB

Material	Temperature	Recommended for	Part No./Weight outer-Ø 50 mm	Part No./Weight outer-Ø 54 mm
NBR (Perbunan) white, elastomer	max. 90 °C	particularly suitable for oils and greases, also for food products	550 24 248/0,5 kg	550 25 621/0,6 kg
NBR (Perbunan) black, elastomer	max. 90 °C	particularly suitable for oils and greases, not suitable for food products	550 24 244/0,5 kg	550 25 620/0,6 kg
CSM (Hypalon), elastomer	max. 90 °C	particularly suitable for corrosive products, not suitable for oils, greases nor food products	550 24 253/0,5 kg	550 25 622/0,6 kg
FPM (Viton), elastomer	max. 150 °C	excellent chemical resistance to all different kind of products, not suitable for food products	550 24 247/0,5 kg	–
PTFE (Teflon), solid material	max. 150 °C	excellent chemical resistance, particularly suitable for food products, pharmaceuticals and cosmetics	550 24 256/0,6 kg	550 25 625/0,7 kg

## HOSE CONNECTION IN STAINLESS STEEL, COMPLETE WITH UNION NUT G 1½ (BSP 1½" FEMALE)

Type F 550 GS and F 550 GSB	Part No./Weight
for flexible hose, inside Ø DN 25	959 04 002/0,2 kg
for flexible hose, inside Ø DN 32	959 04 003/0,3 kg
for flexible hose, inside Ø DN 38	959 04 004/0,4 kg

Drive motors see page 17

