

ECCENTRIC WORM-DRIVE PUMPS TYPE F 550 GS6 WITH PLANETARY GEAR

Recommended for transferring

Thin to high viscosity substances up to a maximum viscosity of 80.000 mPas (cP).

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.

Seal type

Mechanical seal (stuffing box on request).

Available drive motors

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

Scope of supply

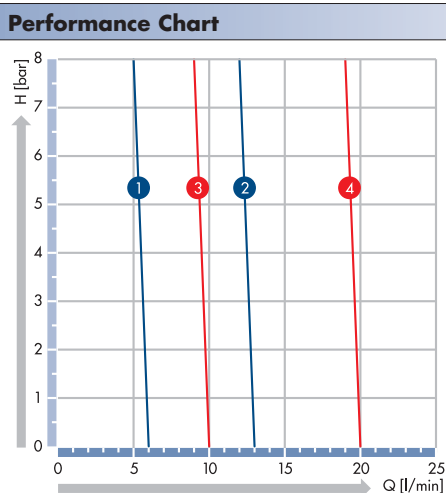
A complete eccentric worm-drive pump consists of: drive motor, pump, stator and hose connection.



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

TECHNICAL DATA

Type	Speed	Curve No.
F 550 GS6-50/21	Motor 1450 rpm Pump 210 rpm	1
	Motor 2850 rpm Pump 420 rpm	2
F 550 GS6-54/26	Motor 1450 rpm Pump 210 rpm	3
	Motor 2850 rpm Pump 420 rpm	4



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

ECCENTRIC WORM-DRIVE PUMPS TYPE F 550 GS6 WITH PLANETARY GEAR



ECCENTRIC WORM-DRIVE PUMPS TYPE F 550 GS6 WITH PLANETARY GEAR, WITHOUT DRIVE MOTOR

Type	F 550 GS6-50/21	F 550 GS6-54/26
Delivery rate max.	13 l/min	20 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	
Material	outer tube, torsion shaft and eccentric worm in stainless steel 316 Ti	
Outer-Ø	50 mm	54 mm
Stator	not included with the pump, separate part number please see list below	
Part No./Weight		
Immersion length 700 mm	550 23 200/4,3 kg	550 23 300/4,8 kg
Immersion length 1000 mm	550 23 201/5,0 kg	550 23 301/5,5 kg
Immersion length 1200 mm	550 23 202/5,5 kg	550 23 302/6,0 kg

* stuffing box in PTFE on request

STATORS FOR ECCENTRIC WORM-DRIVE PUMP TYPE F 550 GS6

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 GS6	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 FOR ECCENTRIC WORM-DRIVE PUMP TYPE F 550 GS6

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

Type	Capacity	Speed	max. Viscosity	Part No./Weight
F 403/4	0,30 kW	1450 rpm	40.000 mPas	403 01 014/8,0 kg
F 403/2	0,50 kW	2850 rpm	30.000 mPas	403 01 015/8,0 kg
F 403/4	0,55 kW	1450 rpm	80.000 mPas	403 01 016/11,0 kg

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

Type	Capacity	Speed	max. Viscosity	Part No./Weight
F 403/4	0,55 kW	1450 rpm	80.000 mPas	403 01 011/8,0 kg
F 403/2	0,75 kW	2850 rpm	50.000 mPas	403 01 013/8,0 kg

Accessories	Part No./Weight
Carrying handle, stainless steel	001 10 575/1,0 kg

