

### Bearing flange with impulse generator



Version with union nut at bearing flange

Version with clamp at bearing flange

#### Advantages/characteristics:

- ▶ Allows indirect volume measurement to be taken without contact with the material
- ▶ Especially for eccentric worm-drive pumps series F 550 and F 560 with bearing flange
- ▶ Theoretical accuracy +/- 1 pulse per measurement
- ▶ Also for use in the Pharma, Food and Cosmetic industry
- ▶ Suitable in all cases where frequent cleaning is essential
- ▶ Media examples: grease, tomato paste, vaseline, caramelcreme, polymer latex
- ▶ Combined with FLUXTRONIC® + amplifier, control unit or SPS-batch processing possible
- ▶ Protection class IP 65

Technical datas	
Connection outer tube F 550	G 2
Connection outer tube F 560	Rd 65 x 1/6, clamp
Ø bearing flange	160 mm
Pulse cable	5 m
Connection bearing flange	8-pole bayonet cable connector CA3 LS
Connection e.g. on control unit	5-pole connector
Reed-sensor	Magnetically actuated
Number of pulses per revolution	Four
Volume per impulse	
Eccentric worm Ø 21	0,0075 l
Eccentric worm Ø 26	0,0125 l
Material	
Housing	Stainless steel (304)
Part numbers	
For F 550 S, with union nut, left operation	10-550 25 555
For F 560 S, with union nut, left operation	10-560 28 291
For F 560 S, with union nut, left/right operation	10-560 28 319
For F 560 S, with clamp, left operation	10-560 28 328

Reed-sensor													
Electrical datas													
Operation	Reed												
Switching element	Normal open												
Max. switching capacity	10 VA												
Max. switching current	0,5 A												
Max. carrying current	1,2 A												
Max. switching voltage	200 V												
Max. contact resistance	0,1 Ω												
Pull-in range	12 - 18 AT												
Thermal datas													
Operating temperature (flexing)	-25 °C to +70 °C												
Operating temperature (fixed installation)	-5 °C to +70 °C												
Performance chart													
<table border="1" style="display: inline-table; margin-left: 20px;"> <thead> <tr> <th>U[V]</th> <th>I[A]</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>0,417</td> </tr> <tr> <td>48</td> <td>0,208</td> </tr> <tr> <td>120</td> <td>0,083</td> </tr> <tr> <td>150</td> <td>0,067</td> </tr> <tr> <td>200</td> <td>0,050</td> </tr> </tbody> </table>		U[V]	I[A]	24	0,417	48	0,208	120	0,083	150	0,067	200	0,050
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# Technical data sheet

## Bearing flange with impulse generator

Pulse transmission possible to:

### Electronic analysis unit FLUXTRONIC®



- ▶ For wall mounting
- ▶ Medium calibration possible
- ▶ Display of transferred quantity (normal mode)
- ▶ With switching amplifiers batch filling possible (automatic mode)

#### Part numbers

FLUXTRONIC® for wall mounting	10-001 42 113
Switching amplifier FSV 100	10-001 49 040
Power supply cable for FSV 100; 5 m long	10-934 08 037
Connecting cable FSV 100/motor; 0,5 m long	10-934 08 035
Connection cable FSV 100/magnetic valve, 5 m long	10-934 08 036

### Control unit (with integrated SPS)



- ▶ E.g. for use with VISCOFLUX mobile S
- ▶ With integrated FLUXTRONIC® possible (for medium calibration and display of transferred quantity possible)
- ▶ Speed regulation possible
- ▶ Also for pumps with left/right operation

#### Part numbers

Without speed setting, without FLUXTRONIC®	10-936 13 006
Without speed setting, with FLUXTRONIC®	10-936 13 007
With speed setting, without FLUXTRONIC®	10-936 13 008
With speed setting, with FLUXTRONIC®	10-936 13 009

### Existing control e.g. SPS



- ▶ For external control
- ▶ Can be networked with other IT systems
- ▶ For complex applications
- ▶ Use of existing control systems possible

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