

Piston pumps (grease)

Series F - electric drive



F-SUPER with geared motor (230 / 400 V AC / 3~)

Grease lubrication pumps

Technical data

Pump

Delivery volume per stroke (= 1 pump revolution) and outlet: 0,06 to 0,17 cm³

(depend on pump element)

Regulation: possible at PE 120 V

Reservoir content: 5 / 10 / 20 / 48 / 100 kg

Material: steel

Operating pressure: max. 250 bar

higher pressure on request

Delivering medium: greases up to NLGI-cl. 2

(grease with solid contents only on request)

greases of NLGI-cl. 3 on request

Operating temperature: -20 to 70 °C

No. of outlets: max. 21

Outlet type: see order key

Sense of rotation: optional

Installation position: reservoir vertical as shown

Weight (reservoir content): max. 29,8 (5) /

31,4 (10) / 34,7 (20) / 47,0 (48) / 56,0 (100) kg

(without pump elements, without grease filling)

Motor

Drive: geared motor

Power: 0,18 kW (for 5 to 48 kg reservoir capacity)

0,25 kW (for 100 kg reservoir capacity)

Operating voltage: 230/400 V AC / 3~

Frequency: 50 / 60 Hz

Speed: 1420 r.p.m. at 50 Hz

1700 r.p.m. at 60 Hz

Type: B 14

Flange: Ø 120 mm

ISO class: F

Protection class: IP 55

Order key for type 2050

Type-no.	2050						
Code-no.	2050						
Reduction	88:1	165:1	280:1	410:1	600:1	800:1	1000:1
Code-no.	1	2	3	4	5	6	7
Pump element **	PE 120 / PE 170 / PE 120 V (all PE* with or without DBV*)						
Code-no./Code-letter	1 - 7** bzw. A - O**; Z = model without pump element						
No. of outlets	1	2	3	4	to	21	
Code-no.	01	02	03	04	to	21	
Reservoir content (kg)	5		10	20	48	100	
without FÜ***	01		02	03	04	06	
with FÜ***, plug M12x1 standard	C4		D0	D1	D2	D3	
with FÜ***, cube plug acc. to DIN 43650	11		12	13	14	16	
Model	for grease		for grease		for oil (special model)		
with fill-in connection	G 1/2 with sieve		G 1/2		without		
Code-no.	1		2		3		

* DBV = Druckbegrenzungsventil = pressure limiting valve; PE = Pumpenelement /-e = pump element(s)

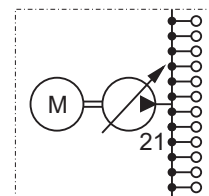
** see documentation on pump elements; Please indicate pump elements PE 60 separately

***FÜ = Füllstandsüberwachung (min.) = level monitoring (min.)

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Symbol



Pump speed depends

on reduction

= motor speed : reduction

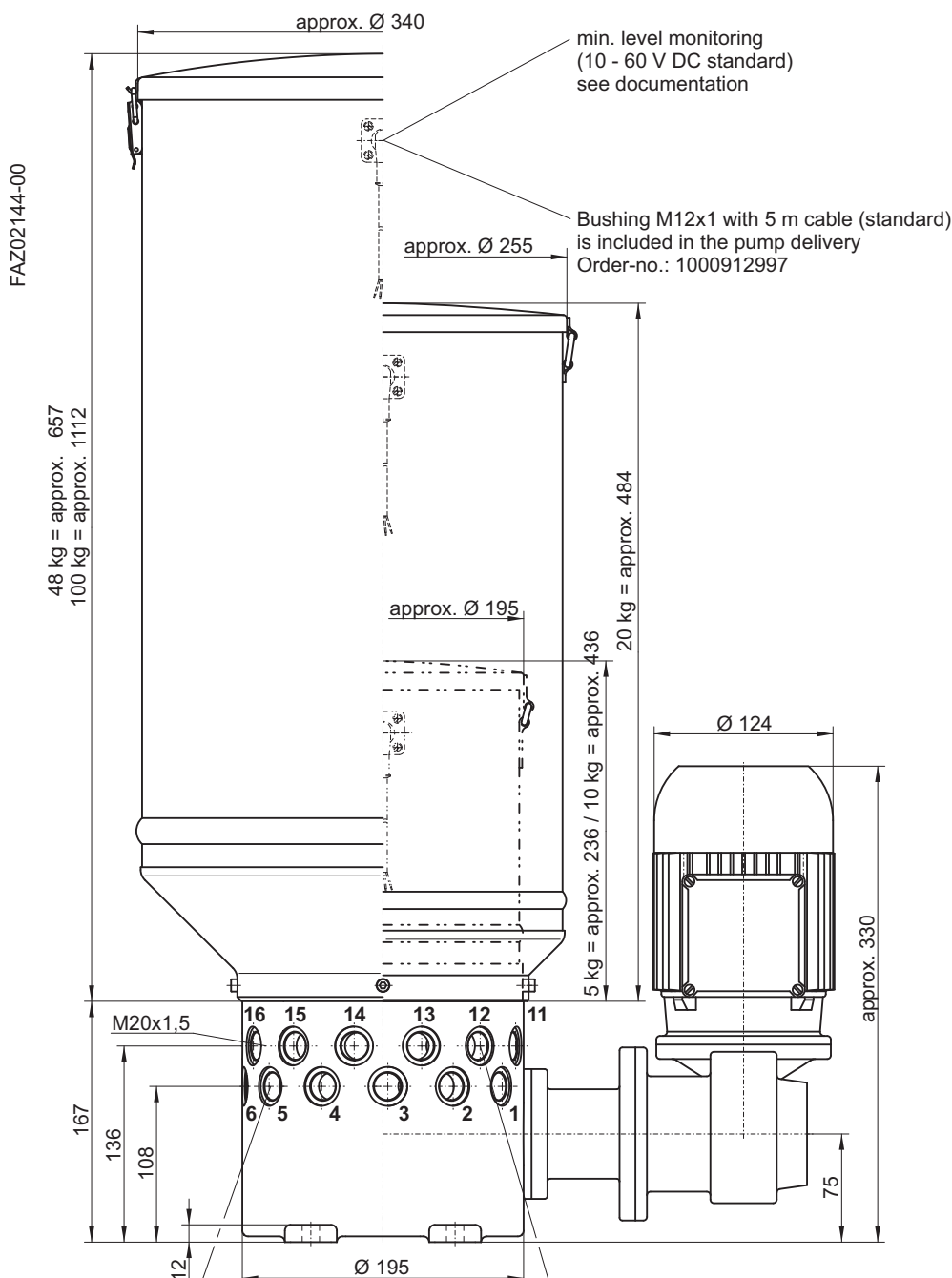
e. g.: 1700 r.p.m. : 280 = 6 r.p.m.

Pump elements (see documentation on pump elements)		Metering volume cm ³ / stroke and outlet
PE 60	with / without	0,06
PE 120	Pressure	0,12
PE 170	limiting	0,17
PE 120 V	valve	max. 0,12 (adjustable)

2050 4 G 14 D1 1 000

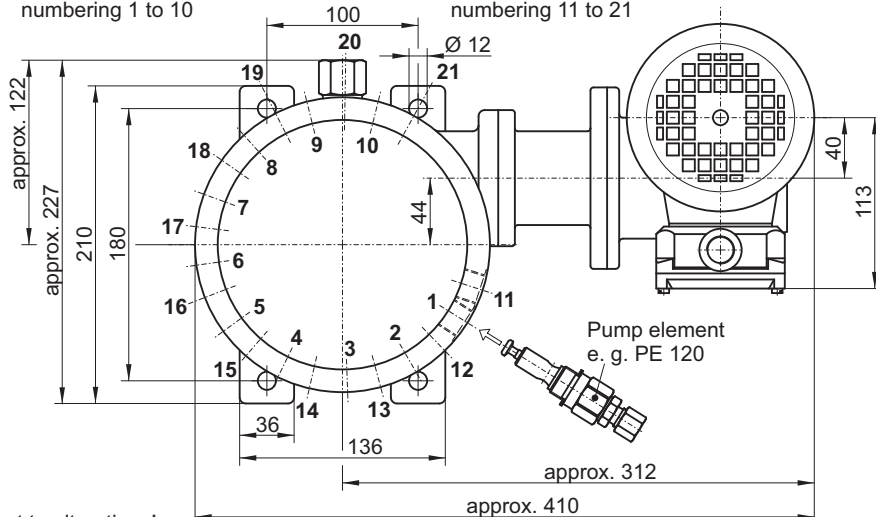
06-2-50-07 state: 09.14EN

Subject to alterations!



lower outlet row
numbering 1 to 10

upper outlet row
numbering 11 to 21



The pump elements are mounted one by one, starting with position 1 (see numbering of the outlets). Please indicate separately the combination of the different pump elements or certain installation positions of the pump elements.

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