

Piston pumps (grease)

Series F - electric drive



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

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 demand

Delivering medium: greases up to NLGI-cl. 2
(grease with solid contents only on demand)
greases of NLGI-cl. 3 on demand

Operating temperature: -20 to 70 °C

No. of outlets: max. 21

Outlet type: see order key

Sense of direction: 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

Operating voltage: 230/400 V AC / 3~

Frequency: 50 / 60 Hz

Speed: 1420 r/min at 50 Hz
1700 r/min at 60 Hz

Type: B 14

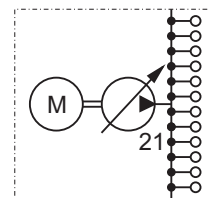
Flange: Ø 120 mm

ISO class: F

Protection class: IP 55



Symbol



Pump speed is dependent on the reduction
= motor speed : reduction
e. g.: 1700 r/min : 280 = 6 r/min

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

Order key for type 2050

2050 4 G 14 D1 1 000

Type-no.	2050					
Code	2050					
Reduction	88:1	165:1	280:1	410:1	600:1	800:1 1000:1
Code	1	2	3	4	5	6 7
Pump element **	PE 120 / PE 170 / PE 120 V (all PE* with or without DBV*)					
Code/ letter	1 - 7** bzw. A - O**; Z = model without pump element					
No. of outlets	1	2	3	4 to 21		
Code	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 filling connection	G 1/2 with sieve	G 1/2	without			
Code	1	2	3			
Special models						

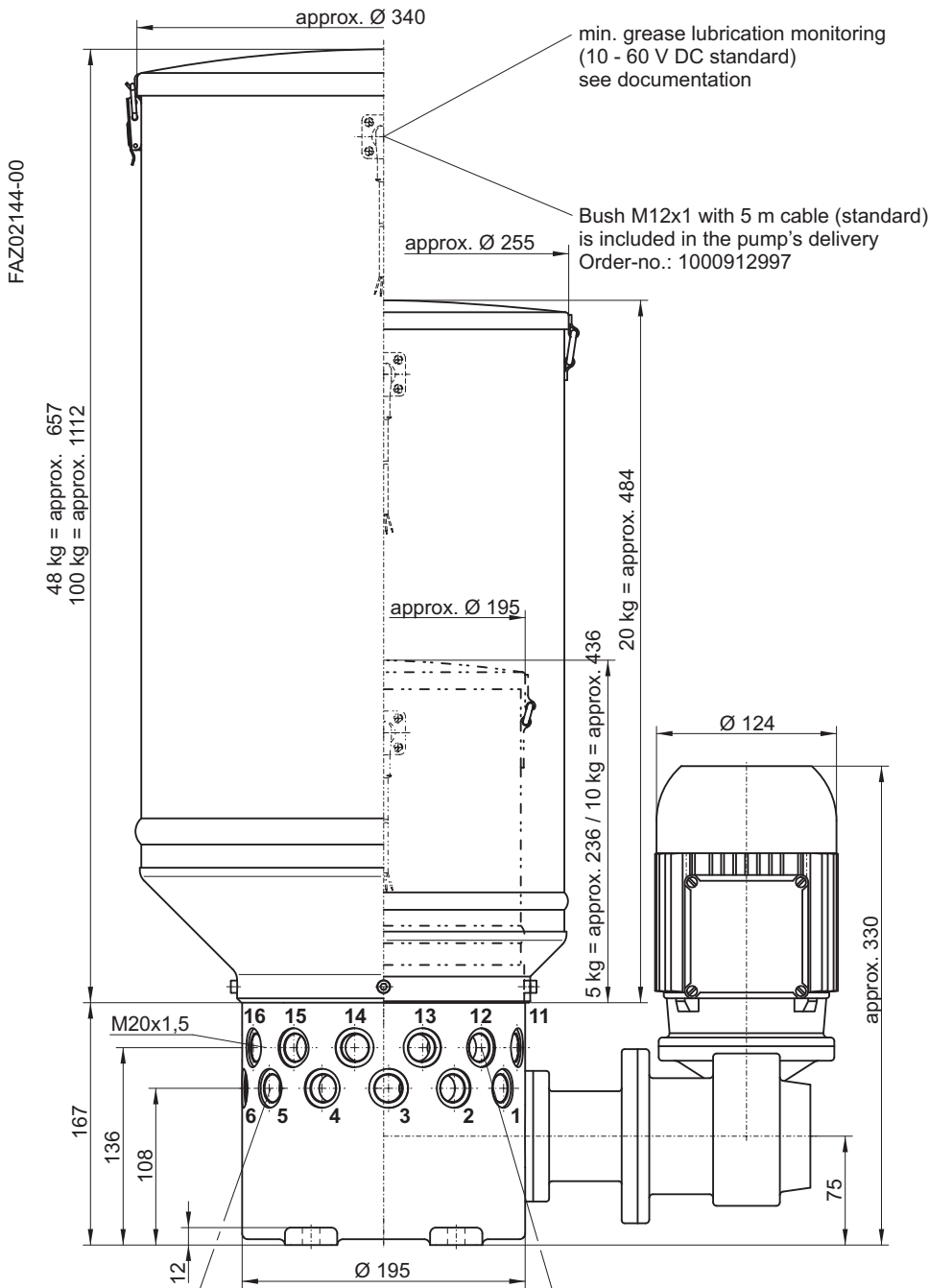
* DBV = pressure limiting valve = pressure limitation valve; PE = Pump element /-e = pump element

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

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

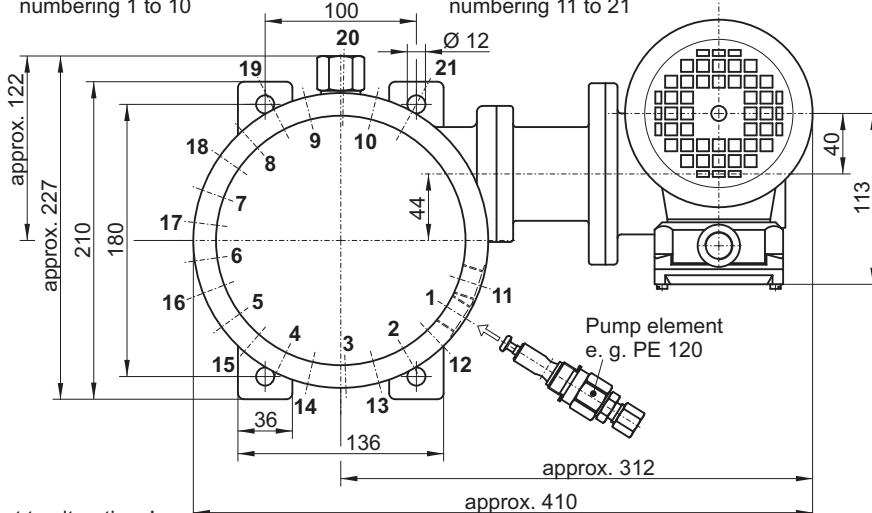
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Subject to alterations!



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 the combination of the different pump elements or certain installation positions of the pump elements separately.

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