

PRODUCT OVERVIEW

INDUSTRIAL LUBRICATION

state 01/2012

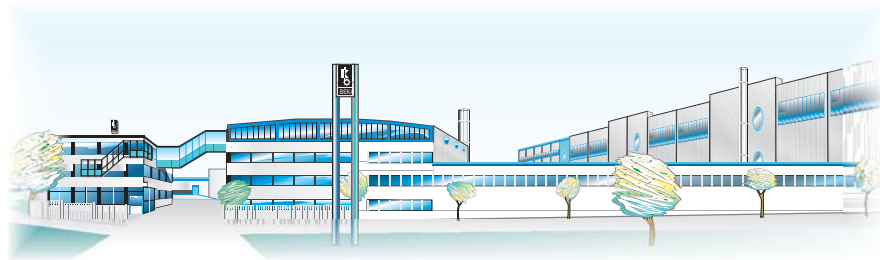


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Singleline Central Lubrication Systems

Product overview industrial lubrication

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Product overview industrial lubrication

01-1-10-04 state: 01.12EN

Subject to alterations!

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1090200384

Gear pump units



EA 1,5



BEKA
Xlube

Model	Type	Delivery volume (l/min)	Oper. pressure max. (bar)	Reservoir content (l)	Reservoir material	Lubricant	Operating voltage
EA 1,5 oil	2727	0,4	40	3	plastic, transparent	oil, 20 - 700 mm ² /s	400 V AC / 3~
EA 1,5 fluid grease	2728					fluid grease a/t release list	
BEKA Xlube	2712	0,25	28	1,2		oil, 20 - 700 mm ² /s or fluid grease a/t release list	230 V AC



Super 3
EA-tronic left



Super 3
EA-tronic right



Super EA-tronic
with 4 l-reservoir



Super EA-tronic
with 6 l-reservoir



Mini EA-tronic
with 3 l-reservoir



Mini 2
EA-tronic

Model	Type	Delivery volume (l/min)	Oper. pressure max. (bar)	Reservoir content (l)	Reservoir material	Lubricant	Operating voltage
Super 3 EA-tronic left	2805	0,4	35	3	plastic, transparent	oil 20 - 700 mm²/s or fluid grease acc.to release list	115 V AC 230 V AC 24 V DC
Super 3 EA-tronic right	2806						
Super EA-tronic with 4 l-reservoir	2800			4	aluminium		
Super EA-tronic with 6 l-reservoir				6	steel		
Mini EA-tronic with 3 l-reservoir				3	plastic, transparent		
Mini 2 EA-tronic	2810			1,5			115 V AC 230 V AC

Overview

Gear pump units



ES ES 2711 with 3 l-reservoir ES 2711 with 6 l-reservoir ES 2711 with 13 l-reservoir ES 2711 with 16 l-reservoir ES 2711 with 30 l-reservoir

Model	Type	Delivery volume (l/min)	Oper. pressure max. (bar)	Reservoir content (l)	Reservoir material	Lubricant	Operating voltage
ES (w/o reservoir)	2710	0,4	35	-	-	oil 20 - 700 mm²/s or fluid grease acc.to release list	400 V AC / 3~
ES 2711 with 3 l-reservoir	2711			3	aluminium		
ES 2711 with 6 l-reservoir				6	steel		
ES 2711 with 13 l-reservoir				13	aluminium		
ES 2711 with 16 l-reservoir				16	steel		
ES 2711 with 30 l-reservoir				30	aluminium		



EA 3 EA 3 / EA 6 with 3 l-reservoir EA 3 / EA 6 with 6 l-reservoir EA 3 / EA 6 with 13 l-reservoir EA 3 / EA 6 with 16 l-reservoir EA 3 / EA 6 with 30 l-reservoir

Model	Type	Delivery volume (l/min)	Oper. pressure max. (bar)	Reservoir content (l)	Reservoir material	Lubricant	Operating voltage
EA 3 / EA 6 (without reservoir)	2700	1 or 2	35	-	-	oil 20 - 700 mm²/s	400 V AC / 3~
EA 3 / EA 6 with 3 l-reservoir	2705			3	aluminium		
EA 3 / EA 6 with 6 l-reservoir				6	steel		
EA 3 / EA 6 with 13 l-reservoir				13	aluminium		
EA 3 / EA 6 with 16 l-reservoir				16	steel		
EA 3 / EA 6 with 30 l-reservoir				30	aluminium		

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Pneumatic pump units



P30.2 to P50.8
with reservoir



2564
with 2,7 l-reservoir



P30-6
with 6 l-reservoir



P5.2 / P8.4 / P8.8
with reservoir



P5.6 / P8.6
with 6 l-reservoir

Model	Type	Delivery volume (cm³/stroke)	Pressure reduction	Drive press. (bar)	Reservoir content (l)	Reservoir material	Lubricant
P30.2 to P50.8	2564	30 or 50	1:9	5 - 10	2,5 / 4,2 / 8	plastic, transparent	oil 20 - 700 mm²/s or fluid grease acc.to release list
2564 with 2,7 l-reservoir					2,7		
P30-6 with 6 l-reservoir					6	steel	
P5.2 / P8.4 / P8.8	2563	10	1:11	4 - 8	2,5 / 4,2 / 8	plastic, tr.	
P5.6 / P8.6 with 6 l-reservoir	2565	15	1:8		6	steel	



P30 and P50
without reservoir



P605
without reservoir



P5.1,2 and P8.1,2
with 1,2 l-reservoir



PPF-1
with 4 l reservoir

Model	Type	Delivery volume (cm³/stroke)	Pressure reduction	Drive press. (bar)	Reservoir content (l)	Reservoir material	Lubricant
P30 and P50 (without reservoir)	2564	30 or 50	1:9	5 - 10	-	-	Oil 20 - 700 mm²/s or fluid grease acc.to release list
P605 (without reservoir)	2566	3	1:32	3 - 8			
		9,5 15	1:12 1:8				
P5.1,2 and P8.1,2 with 1,2 l-reservoir	2562	10 15	1:11 1:8	4 - 8			
PPF-1	2161	50	1:5	6 - 10	4		

Overview

Hydraulic pump units



PH1/ PH6/ PH10
without reservoir



PH1-6 / PH6-6 / PH10-6
with 6 l-reservoir

Model	Type	Delivery volume (cm³/stroke)	Pressure reduction	Operating press. (bar)	Relief press. (bar)	Reservoir content (l)	Reservoir material	Lubric.	
PH1 PH6 PH10 without reservoir	2577	1	1:2	max. 55	1 - 2	-	-	oil 20 - 700 mm²/s or fluid gre. acc.to release list	
		6							
		10	1:1						
PH1-6 PH6-6 PH10-6 with 6 l-reservoir	2578	1	1:2			6	steel		
		6							
		10	1:1						

Manual piston pumps



Manual pump 2532



Manual pump 2533

Model	Type	Delivery volume (cm ³ /stroke)	Operating press. (bar)	Reservoir content (l)	Reservoir material	Lubricant
Manual pump 2532	2532	6 / 10 / 15	30	1,2	plastic, transparent	oil, 20 - 700 mm ² /s or fluid grease acc.to release list
Manual pump 2533	2533	6 / 10				

Metering valves (dynamic system)



Size 1
with bolted connection
for pipe Ø 4



Size 1
with bolted connection
for pipe Ø 6



Size 1
with plug connection
for PA pipes



Size 1
with plug connection
for PA-pipes with chamfer

Model	Meter. volume (mm³/stroke)	Size	Type / Connection type			Relief press. (bar)	Operating press. (bar)	Metering medium
Z31ZV1	10	1	4030 / bolted connection	4036 / plug-type connection for PA-pipes	4036 / plug-type connection for PA pipes and chamfers	max. 1	15 - 40	oil 50 - 700 mm²/s or fluid grease acc.to Freigabe- liste
Z31ZV2	20							
Z31ZV3	30							
Z31ZV5	50							
Z31ZV10	100							
Z31ZV15	150	2						
Z31ZV20	200							
Z31ZV40	400	3						
Z31ZV50	500							
Z31ZV60	600							
Z31ZV100	1000							

Metering valves (static system)



Z31DV../Z31DDV..
with bolted connection



Z31DV../Z31DDV..
with plug connection



Z31DV..
with elbow plug connection

Model	Metering volume (mm ³ /stroke)	Type	Connection type	Relief press. max. (bar)	Operating press. (bar)	Material	Metering medium
Z31DV3	30	4031	- Bolted connection	4	15 - 40	steel or V2A (1.4305)	oil 20 - 700 mm ² /s or fluid grease acc.to release list
Z31DV5	50		- Plug-type conn.				
Z31DV10	100		for polyamide pipes				
Z31DV15	150		- elbow plug-type conn.				
Z31DV20	200		for polyamide pipes				
Z31DDV3	30	4032	- Bolted connection	1	12 - 40	steel	oil 20 - 700 mm ² /s
Z31DDV6	60		- Plug-type conn.				
Z31DDV10	100						
Z31DDV16	160						

Overview

Metering distributor blocks



Size 1		Size 2		Size 3										
4018		40181		4180		4181		41823		41841				
Bolted connection		Plug connection		Bolted connection		Plug connection		Bolted connection		Plug connection				
Size	Meter.- volume (mm³/stroke)	Type Connection type	Number of lube points	Connections main line	lube line	Relief press. max. (bar)	Operating press. (bar)	Metering medium						
1	10	4018 Bolted connection	1 to 10	M10x1	M8x1 pipe Ø 4 mm	3	12 - 50	oil 10 - 1000 mm²/s or fluid grease acc.to release list						
	30													
	60													
	100	40181 Plug-type connection												
	160													
2	100	4180 Bolted connection		M12x1		4	16 - 50							
	200													
	300								4181 Plug-type connection					
	400													
	600													
3	200	41820/ 41823/ 41824 Bolted connection	1 to 3	M12x1 or G 1/8										
	400													
	600	41840/ 41841/ 41842 Plug-type connection												
	1000													
	1500													

Metering units for direct lubrication point connection (static system)



Design A		Design B		Design C		Design D	
Design	Version	Meter. volume (mm³/stroke)	Type	Connection type	Relief press. (bar)	Operating press. (bar)	Metering medium
A	G	30 60 100	4176	Bolted connection	max. 1	max. 35	oil
B	L						40 - 250 mm²/s
C	T						fluid grease
D	W						n. release list
E (pivotable)	LS	4174	Plug-type conn. Ø 4 mm for polyamide pipes				oil
F (pivotable)	TS						

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Distributor blocks



Size 1
Z32VL3 or Z33VL6



Size 1
Z32VL4 or Z33VL8



Size 1
Z32VL5 or Z33VL10

Size	Model	Outlets	Number of outlets	Type	Connection inlets	Connection outlets	Material
1	Z32VL1 - Z32VL12	one-sided	1 to 12	4020	with or without union nut (M10x1, pipe-Ø 6, with olive)	M8x1 M10x1	steel, galv. or 1.4305
	Z33VL2 - Z33VL24	two-sided	2x1 to 2x12				
2	Z32VL1/2 - Z32VL10/2	one-sided	1 to 10			M10x1	steel, galvanized
	Z33VL2/2 - Z33VL20/2	two-sided	2x1 to 2x10				

Single line distributor



NV-6



UEN



IV-11 / IV-1 2-outlets

Model	Type	Operating pressure max. (bar)	Number of outlets	Inlet connection	Outlet connections	Material	Metering vol. optional (mm³ / stroke and outlet)	Metering medium
NV	4020	45	1 to 6*	M16x1,5	M8x1	Housing: GD-Zn Additional part: brass	100 - 1000	Oils; fluid grease NLGI-cl. 000, 00
UEN	4124	300	1 to 12**	G 1/4	M10x1	steel, ZnNi-coating	25 - 400	Fluid grease grease up to NLGI-cl. 2
IV-1	4125	240	1 to 6	G 3/8	G 1/8	steel, galvanized	200 - 1200 adjustable	
				NPT 3/8"	NPT 1/8"			
IV-11				G 3/4	G 1/4		1000 - 11000 adjustable	
				NPT 3/4"	NPT 1/4"			

* no. of outlets can be enlarged when combining

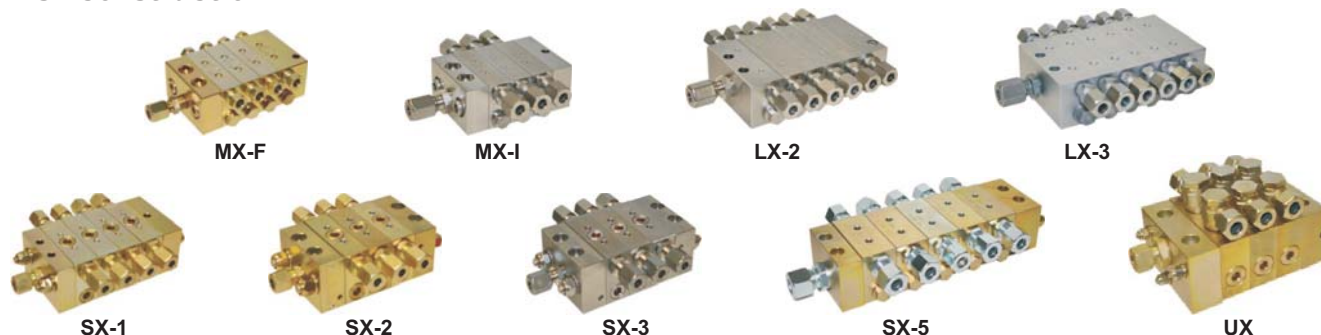
** no. of outlet can be enlarged by a connection element

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Overview

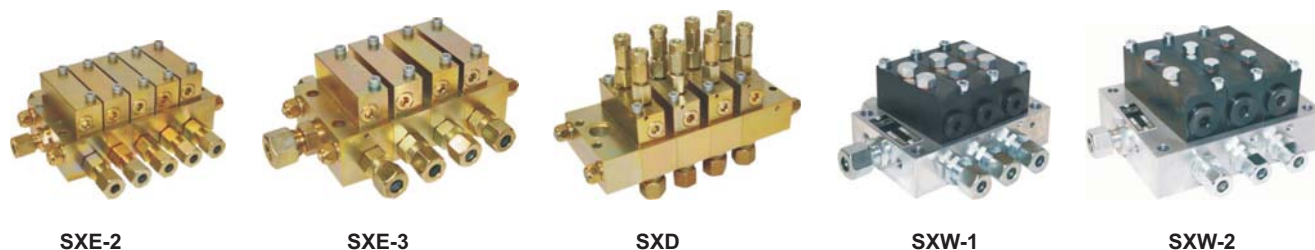
Disk construction



Model	Type	Number of rev. max. (revol./min)	Operat. press. max. (bar)	No. of outlets max.	Inlet connection	Outlet connection	Material	Metering vol. optional (mm³ /stroke and outlet)	Meter- medium
MX-F	4010	180	300	24	M10x1	M10x1	steel, galv.	25 - 105	oils and greases up to NLGI-cl. 2
MX-I	3979	60		16			1.4404	45 - 105	
LX-2	3972	180		20			steel, ZnNi	200	
LX-3	3973	60					1.4404 1.4401		
SX-1	4000	180			G 1/8	G 1/8	steel, galv.	68 - 430	
SX-2	3989	60		G 3/8			G 1/4	1.4301	
SX-3	4008								
SX-5	3983	180		G 1/2	G 3/8	steel, galv.	1130 - 2000		
UX	4005	250							

Segment construction

Sandwich construction



Model	Type	Number of rev. max. (revol./min)	Operat. press. max. (bar)	No. of outlets max.	Inlet connection	Outlet connection	Material	Metering vol. optional (mm³ /stroke and outlet)	Meter- medium
SXE-2	4003	180	300	20	G 1/4	G 1/8	steel, galvanized	100 - 760	oils and greases up to NLGI-cl. 2
SXE-3	3985		200		G 3/8	G 1/4			
SXD	3998				G 3/8				
SXW-1	3977		150		G 1/4	G 1/4	steel, galv., conn. plate aluminium	100 - 900	
SXW-2	3978				G 1/2	G 3/8		900 - 3700	

Dual line distributors



BV



BW



BZ



UXZ

Model	Type	Operating pressure max. (bar)	No. of outlets max.	Connection inlet	Connection outlet	Material	Metering volume optional (mm³ / stroke and outlet)	Metering medium
BV	3981	300	8	G 1/4	G 1/4	steel, galvanized	70 - 300	Oils and greases up to NLGI-cl. 2
BW	3980	(min. 35)		G 3/8		steel, galvaniz. or 1.4305	300 - 1500	
BZ	4001	400				250 - 3000 (regelbar)		
UXZ	4006	150	20	G 3/8	steel, galvaniz.	1130 - 2000		

For controlling the main line



4/3-way control valve



4/2-way control valve



Pressure changeover switch



Differential pressure control device



electronic pressure sensor

Component	Type	Actuation	Operating pressure (bar)	Flow volume (l/min)	Connection main line	Material	Lubricant
4/3-waycontrol valve	4340	electrical	400	8	G 1/2 G 3/4	GG-25	oils and greases up to NLGI-Cl. 2
4/2-waycontrol valve	4065	electro-pneumatic	350	20	G 3/8	steel, galvanized	
Pressure changeover switch	0421	hydraulic	150 / 300	8	G 1/4		
Differential pressure control device	4305	electrical	400	-	G 3/8	-	
electron. press. sensor	0421						

Overview

Series TDM



TDM-FSU

TDM-FS 4

Model	Type	No. of outlets	Delivery volume adjustable, max. (cm³ / stroke and outlet)	Ratio	Input speed max. (rev / min)	Operating pressure max. (bar)	Suction height max. (mm)
TDM-FSU	2200	1 - 2	0,1	33:1	300 - 1800	3	300
TDM-FSU-M	2201						
TDM-FS 4	2204	3 - 4					
TDM-FS 4-M	2205						



TDM 2

TDM 4

TDM 8

TDM 4-M

Model	Type	No. of outlets	Delivery volume adjustable, max. (cm ³ / stroke and outlet)	Ratio	Input speed max. (rev / min)	Operating pressure max. (bar)	Suction height max. (mm)
TDM 2	2210	1 - 2	0,039 - 0,088	71,5:1 - 428:1	500 - 3000	3 / 5	300
TDM 2-M	2211						
TDM 4	2212	3 - 4					
TDM 4-M	2213						
TDM 8	2214	5 - 8		92:1 - 1050:1			
TDM 8-M	2215						
TDM-M	Power requirement: 0,09 kW; available for all pumps of the series TDM, see TDM-FSU-M, TDM-FS 4-M, TDM 2-M, TDM 4-M, TDM 8-M						

Series A



AZU

AZP

AF

AFG

AFG-M

APG-M

Model	Type	Outlets max.	Delivery volume adjustable, max. (cm ³ / stroke and outlet)	Reduction	Input speed max. (U / min)	Operating pressure max. (bar)	Suction height max. (mm)
AZU	2240	12	0,06	25:1 50:1	100 - 600 200 - 1300	10	500
AZP	2242			25:1	max. 40		
AF	2244			18:1 25:1 36:1	100 - 500 100 - 600 150 - 1400		
AFG	2248			80:1 / 160:1 / 320:1 / 640:1	500 - 2400 1500 - 2800		
AFG-M	2250			50:1 / 80:1 / 160:1 / 320:1 / 640:1	1500 / 1800		
APG-M	2243			400:1 / 288:1	2900 / 3000		

Series D



DU

DP

DG

DFG

DFG-M

Model	Type	Outlets max.	Delivery volume adjustable, max. (cm ³ / stroke and outlet)	Reduction	Input speed max. (U / min)	Operating pressure max. (bar)	Suction height max. (mm)
DU	2260	12	0,15	12:1 / 18:1 / 36:1	500 - 750	50	1000
DP	2262			2:1	80		
DG	2266			80:1 / 160:1 / 320:1 / 640:1	2500		
DFG	2268			160:1 / 320:1 / 640:1	2500		
DFG-M	2270			80:1 / 160:1 / 320:1 / 640:1	power requirem. 0,25 kW		

Series C



C 1,5
oscillating



CS 3
rotating



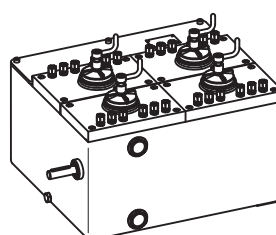
CS 3
oscillating



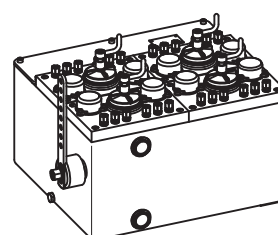
CCS 3
rotating



CCS 6
oscillating



CC 30
rotating



CCS 30
oscillating

Model	Drive	Type	Out-lets max.	Deliv. volume adjustable, max. (cm³ / stroke and outlet)	Res. capacity (l)	Reduction	Input speed max. (rev / min)	Operating pressure max. (bar)			
C 1,5	rotating	2300	12	0,15	1,8 3	12/18/36 or 72:1	500/ 750/ 1400/ 2600	50			
	oscillating	2301				1:1 / 3,15:1	40 / 125				
CS 1,5	rotating	2302	6			12/18/36 or 72:1	500/ 750/ 1400/ 2600				
	oscillating	2303					1:1 / 3,15:1		40 / 125		
C 3	rotating	2310	12				12/18/36 or 72:1		500/ 750/ 1400/ 2600		
	oscillating	2311							1:1 / 3,15:1	40 / 125	
CS 3	rotating	2312	6						12/18/36 or 72:1	500/ 750/ 1400/ 2600	
	oscillating	2313								1:1 / 3,15:1	40 / 125
CC 3	rotating	2320	24		3 6					12/18/36 or 72:1	500/ 750/ 1400/ 2600
	oscillating	2321								1:1 / 3,15:1	40 / 125
CCS 3	rotating	2322	12			12/18/36 or 72:1				500/ 750/ 1400/ 2600	
	oscillating	2323								1:1 / 3,15:1	40 / 125
CC 6	rotating	2340	24				12/18/36 or 72:1			500/ 750/ 1400/ 2600	
	oscillating	2341								1:1 / 3,15:1	40 / 125
CCS 6	rotating	2342	12						12/18/36 or 72:1	500/ 750/ 1400/ 2600	
	oscillating	2343								1:1 / 3,15:1	40 / 125
CC 30	rotating	2360	48		30					12/18/36 or 72:1	500/ 750/ 1400/ 2600
	oscillating	2361								1:1 / 3,15:1	40 / 125
CCS 30	oscillating	2362	24			1:1 / 3,15:1				40 / 125	
	rotating	2363								12/18/36 or 72:1	500/ 750/ 1400/ 2600
CC 30 M	w. motor	2364	48				80/120/180/240/ 360 oder 720:1			1500/ 1800	
CCS 30 M	w. motor	2368	24								

Series OKG



OKGGM-OC
DC



OKGGM-OC
with PSU,
115 or 230 V AC



OKGM-OC
400 V AC / 3~



OKGGM-EP
DC



OKGGM-EP
with PSU,
115 or 230 V AC



OKGM-EP
400 V AC / 3~

Model	Type	Out-lets max.	Delivery volume max. (cm ³ / stroke and outlet)	Reser. content (kg)	Reduction	Input speed motor / shaft (rev. / min)	Pump speed 1 rev. = 1 stroke (rev. / min)	Press. max. (bar)	Operating voltage
OKGGM-OC	2035	21	0,005 0,010 0,015 0,025 0,050	2,5 4,2 8,0	-	-	15	200	12 V DC 24 V DC
OKGGM-OC with PSU	2029								115 V AC 230 V AC
OKGM-OC	2017				80:1 / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1	1350 at 50 Hz 1600 at 60 Hz	-		400 V AC / 3~
OKGGM-EP	2040	3	0,06 0,12 0,17		-	-	15	350**	12 V DC 24 V DC
OKGGM-EP with PSU	2038								115 V AC 230 V AC
OKGM-EP	2011	6			(80:1)* / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1	1350 at 50 Hz 1600 at 60 Hz	-		400 V AC / 3~

* Special request after consultation

** Pressure limiting valve adjusted to 280 bar

Magnetic pumps



K 407

Model	Type	Outlets	Delivery volume max. (cm ³ / stroke and outlet)	Reservoir capacity (l)	Reservoir material	Duty ratio	Operating voltage
K 407	2652	1 - 6	0,040 0,100	0,75	plastic	100 %	24 V DC
K 412	2653			1,2	plastic,	40 %	
K 442	2640			4	transparent		
K 400	2654			2 / 4 / 6		without	-
MP 2646	2646						

Overview

Pneumatic pumps



P2663



P2669

Model	Type	Outlets max.	Delivery volume max. (cm ³ / stroke and outlet)	Reservoir content (l)	Reservoir material	Pressure ratio	Drive press. (bar)
P2663	2663	5	0,025	0,5	plastic	1:20	6 - 10
P2664	2664			1,2			
P2669	2669		0,010	0,5			
P2686	2686	4	0,005 - 0,015	-	-	1:84	
			0,025 - 0,050			1:47	
PAU	2685	1	10			1:20	

Single piston-tappet pump (EHS) or tappet pump (SP)



EHS 0,6 / EHS 0,15 S55

Model	Type	Outlets max.	Delivery volume max. (cm³ / stroke and outlet)	Operating press. max. (bar)	Suct. height max. max. (mm)
EHS 0,6	2140	4	0,15	12	300
EHS 0,15 S55	2141	1		80	-
SP 0,56	2605		0,56		
SP 1,12			1,12		

Hydraulic pumps



FAZ02142-05



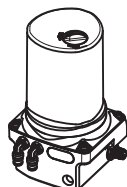
FAZ02142-06

Model	Type	Outlets max.	Delivery volume max. (cm ³ /stroke and outlet)	Operating pressure max. (bar)	Drive pressure (bar)
FAZ02142-05	2122	10	2 / 3 / 4,5 / 6 / 7,5	200	60 - 200
FAZ02142-06		1	6		

Subject to alterations!

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BEKA XLube basic



Modell 401B or 401

Modell 502B or 502

Model	Type	Outlets	Delivery volume max. (cm ³ / stroke and outlet)	Delivering medium	Reservoir capacity	Operat. press. max. (bar)	Operating voltage
401B	2088	1	0,15	grease	400 cm ³	temporary 70 permanent 50	3 V DC (battery pack. = B)
402B		2					24 V DC
401		1					3,6 V DC (battery pack. = B)
402		2					24 V DC
501B		1		oil	500 ml	temporary 70 permanent 50	3,6 V DC (battery pack. = B)
502B		2					24 V DC
501		1					3,6 V DC (battery pack. = B)
502		2					24 V DC

Series FK



FKR
rotating



FKP
oscillating



FKG
rotating
vertical



FKG-V
rotating
pivotable by 90°



FKG-S
rotating
vertical



FKG-A
rotating
vertical

Model	type	Outlets max.	Delivery volume adjustable, max. (cm ³ / stroke and outlet)	Reser. capacity (kg)	Reduction	Input speed (rev / min)	Press. max. (bar)
FKR rotating	2000	12	0,1	1 1,5 2 4	14:1 / 19:1 / 28:1 / 57:1	min.: 28/38/56/114 max.: 210/300/430/850	50
FKP oscillating	2001				3,5:1	35	
FKG rotating vertical	2002				84:1 / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1	300 - 2800	
FKG-V rotating pivotable by 90°	2004				84:1 / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1		
FKG-S rotating vertical	2005				84:1 / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1		
FKG-A rotating vertical	2006	8			300:1 / 450:1 / 900:1		

Series FK and FVAM



FKGM
with motor



FKMS
with motor



FVAM
with motor

Model	Type	Out-lets max.	Delivery volume adjustable, max. (cm ³ /h and outlet)	Reservoir capacity (kg)	Reduction	Input speed (rev / min)	Operating press. max. (bar)	Operating voltage
FKGM with motor	2007	12	0,1	1	84:1 / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1	1420 at 50 Hz	50	230 / 400 V AC / 3~
FKMS with motor	2008			1,5 2 4		1700 at 60 Hz		400 V AC / 3~
FVAM with motor	2030	8	0,15	1 / 1,5 / 2 / 4 / 10	420:1 / 560:1 / 750:1		100	230 / 400 V AC / 3~

PICO



Model	Type	Out-lets max.	Deliv. volume max. (cm ³ / stroke and outlet)	Reservoir content (kg)	System type	Pump speed 1 rev. = 1 stroke (rev. / min)	Operating press. max. (bar)	Operating voltage
PICO	2185	8	0,005 / 0,010 / 0,015 / 0,025 / 0,05	1,2	multi line	15	200	12 V DC 24 V DC
		2	0,12		progressive		280	

Series FK...-OC / FK...-EP



FKGGM-OC
DC



FKGGM-OC
with PSU,
115 or 230 V AC



FKGM-OC
400 V AC / 3~



FKGGM-EP
DC



FKGGM-EP
with PSU,
115 or 230 V AC



FKGGM-EPC
with control,
100 to 250 V AC



FKGM-EP
400 V AC / 3~



FKGM-EP
with norm motor,
400 V AC / 3~



FKG-EP
with flange 56 C
acc. to NEMA (USA)



FKR-EP
rotating

Model	Type	Outlets max.	Delivering volume max. (cm³ / stroke and outlet)	Reser. capa- city (kg)	Reduction	Input speed motor / shaft (rev / min)	No. of pump rev. 1 rev. = 1 stroke (rev / min)	Press. max. (bar)	Operating voltage
FKGGM-OC	2154	21	0,005 0,010 0,015 0,025 0,050	1,9 2,5 4,2 8,0	-	-	15	200	12 V DC 24 V DC
FKGGM-OC with PSU	2024								115 V AC 230 V AC
FKGM-OC	2016				80:1 / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1	1350 at 50 Hz 1600 at 60 Hz	-		400 V AC / 3~
FKGGM-EP	2018				-	-	15		350**
FKGGM-EP with PSU	2037	115 V AC 230 V AC							
FKGGM-EPC with control	2036	100 V bis 250 V AC							
FKGM-EP	2013	6	0,06 0,12 0,17	(80:1)* / 150:1 / 300:1 / 400:1 / 600:1 / 1200:1				1350 at 50 Hz 1600 at 60 Hz	
FKGM-EP with norm motor	2014	8			1500 at 50 Hz 1800 at 60 Hz				
FKG-EP with flange 56 C acc. to NEMA					-	min. 1 max. 25	-		
FKR-EP rotating	2015	7				(2 / 4 steel)	14:1 / 19:1 / 28:1 / 57:1		

* special requests after consultation

** Pressure limiting valve adjusted to max. 280 bar

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Subject to alterations!

Series F



F6
rotating



F6
with geared motor



F-super
with geared motor



F-super
rotating



F-super 3
with geared motor



F-super 3
oscillating

Model	Type	Out-lets max.	Delivery volume max. (cm³ / stroke and outlet)	Reserv. content (kg)	Reduction	Input speed motor / shaft (rev. / min)	Pump speed 1 rev. = 1 stroke (rev. / min)	Press. max. (bar)	Operating voltage
F6 rotating	2032	20	0,06 0,12 0,17	5 7,5 10	9:1 / 18:1 / 25:1 / 36:1 / 50:1	-	min. 1 max. 25	250	-
F6 w. geared motor	2034				135:1 / 270:1 / 375:1 / 450:1 / 540:1 / 600:1 / 750:1 / 900:1 / 1250:1/1800:1/ 2500:1	2800 at 50 Hz 3300 at 60 Hz	-		230 / 400 V AC / 3~
F-super w. geared motor	2050			21	88:1 / 165:1 / 280:1 / 410:1 / 600:1 / 800:1 / 1000:1	1420 at 50 Hz 1700 at 60 Hz	min. 1 max. 25		-
F-super rotating	2051	15:1 / 22,5:1 / 45:1				-			
oscillating	2052	2,5:1			1420 at 50 Hz 1700 at 60 Hz	-			
F-super 3 w. geared motor	2053	3 (4=	0,56	48 100	46:1	1420 at 50 Hz 1700 at 60 Hz	-	400	230 / 400 V AC / 3~
F-super 3 rotating	2054	Special version			15:1 / 22,5:1 / 45:1	-	min. 1 max. 25		-
oscillating	2055				2,5:1	-	-		-

Magnetic pump



Model	Type	Outlets max.	Delivery volume max. (cm ³ / stroke and outlet)	Reservoir content (l)	Reservoir material	Duty ratio	Operating voltage
acc. to FAZ04345-03	2643	2 - 6	0,015 / 0,025 / 0,035	0,4	plastic, transparent	25 %	24 V DC

Manual pumps



FHX 2



AZ-2133



FHX



FHX-MX with MX

Model	Type	Delivery volume max. (cm ³ / stroke)	Reservoir content (l)	Reservoir material	Pressure max. (bar)
FHX 2	2534	1,5	1,2	plastic, transparent	300
		3			150
AZ-2133	2535	1,5	1 / 1,5 / 2 / 3 / 4	steel	150
		3			
FHX	2081	2	0,4 (kg)	cartridge	350
FHX-MX with progr. distributor					400

Pneumatic pumps



P2103



PP-1

* Pressure limiting valve adjusted to max. 280 bar

Model	Type	Out-lets max.	Delivery volume max. (cm³ / stroke and outlet)	Reservoir content (kg)	Reservoir material	Drive	Pressure ratio	Drive pressure (bar)
P2103	2103	3	2	1,2 l	plastic, transparent	pneumatic via 3/2-way solenoid valve	1:32	4 - 8
			4	1 / 1,5 / 2 / 3	steel		1:18	
			6				1:10	
PP-1	2153		0,06 / 0,12 / 0,17	1,9 / 2,5 / 4,2 / 8	plastic, transparent		max. Oper. press.	6 - 10
				2 / 4	steel			

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Subject to alterations!

Hydraulic pumps



HP-1



AZ-2369



HKP-1



HPM-2



HPG-2



HPH-2

Model	Type	Outlets max.	Delivery volume (cm ³ /stroke and outlet)	Operating press. max. (bar)	Drive pressure (bar)
HP-1	2163	3	0,12	280	30 - 200
AZ-2369	2104	1	1 / 2 / 4 / 6 / 10	480	25 - 160
HKP-1	2121	2	1	250	60 - 250
HPM-2	2574	1	0,2 to 2,0		130 - 250
HPG-2	2581		0,27		
HPH-2	2574		0,0 to 1,0	250 to 350	starts at 100 bar

Flow control valve



Type	Operating pressure (bar)	Pressure drop (bar)	Volume flow (l/min)	Material	Weight (kg)	Lubricant
4060	10 - 250	7	0,1 - 8	steel	1,65	oils 10 - 1000 mm ² /s

Flow limiting device



Type	Operating pressure (bar)	Pressure drop (bar)	Volume flow (l/min)	Material	Weight (kg)	Lubricant
4365	5 - 200 (without add-ons)	≥ 5	1,15 - 3,00 (dep. on orifice disc-Ø)	steel	0,39	oils ON synt. a. mineral. basis 20 - 600 mm ² /s

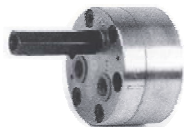
Volume flow control



Model	Type	Oper. pressure max. (bar)	Volume flow (l/min)	Meßvolume (cm ³)	Material	Weight (kg)	Lubricant
FXE 250 with conn. plate without conn. plate	4063 4064	250	0,05 - 12	1,2	steel (cover Al)	0,7 + 0,85	Oils 20 - 1000 mm ² /s

Overview

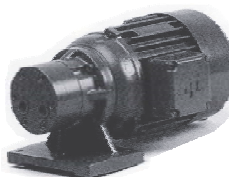
Gear pumps



Flange pumps



Foot pump



Motor pumps
horizontal



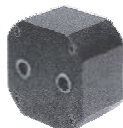
Motor pumps
vertical

Series	Pump type	Delivery volume (l/min)	Operating pressure max. (bar)
0,5	Flange and motor pumps	0,10 - 3,00	35
0		0,25 - 2,40	50
1 to 5	Flange pumps Foot pumps Motor pumps - horizontal Motor pumps - vertical	1 - 65	30

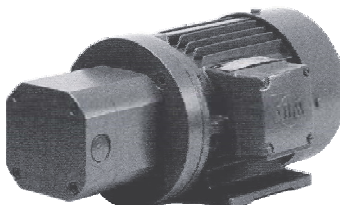
Internal gear pumps



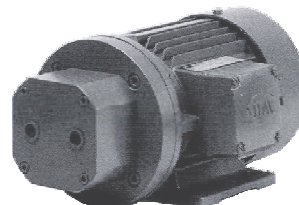
FLI and UI



FLIS and UIS



MZIR



MZI

Series	Pump type	Delivery volume (l/min)	Operating pressure max. (bar)
FLI and UI Connections radial	Flange and foot pumps	4 - 32	100
FLIS and UIS Connections at front			
MZIR Connections radial	Motor pumps		
MZI Connections at front			

Barrel pumps



EFP-1



EFPM-2



HFP-3U



HFP-3U

(without pump cover
without follower piston
without visual level sensor)



Qmaxx with hoist

Model	Type	Drive	Delivery volume max. (cm³ / stroke)	Barrel cont. (kg)	Operating voltage	Drive pressure (bar) / -volume (l/min)	Operat. press. max (bar)
EFP-1	2196	electrical	0,33	20 / 25 / 50 / 200	24 V DC	-	280
EFPM-2	2197				115 V AC 230/400 V AC/3~	-	
HFP-3U	2198				hydraulic	26	-
HFP-3U							
without pump cover, without follower piston and without visual level sensor							
Qmaxx	2187	electrical	3000 / 9000 (cm³/min)	200	400/500 V AC/3~	-	150

* Pressure limiting valve adjusted to max. 300 bar

Lubrication pinion for gearings



PU-lubrication pinion for gearings



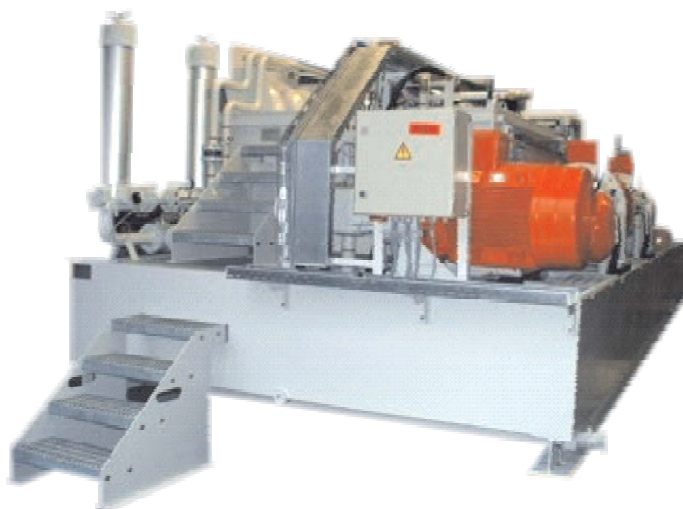
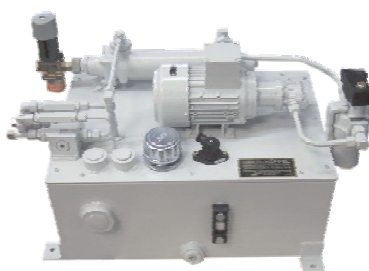
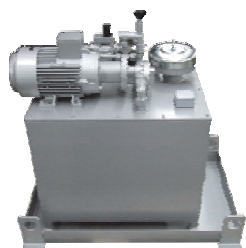
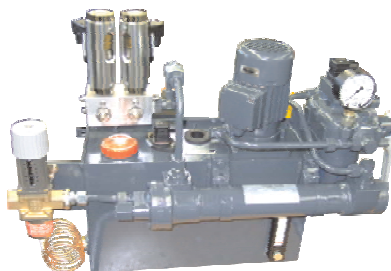
PU-lube pinion for chains



Material	Lub. pinion for gearings	PU-lub. pinion for gearings	PU-lub. pinion for chains
	Lubrication pinion - aluminium retainer, shaft - steel	Lubri. pinion - Polyurethane-foam open-celled axis - steel galvanized or stainless steel	Lub. pinion - Polyurethan-Schaum open-celled axis - steel galvanized or stainless steel
Medium	Oils and greases w/o solid contents	Oils and greases w/o solid contents	Oils and greases w/o solid contents
Operating temperature	-20 to +70 °C	-30 to +150 °C	-30 to +150 °C
Version	single part two parts three parts four parts	gearing: straight sloping right sloping left	Simplex Duplex Triplex

Overview

BEKA manufactures lubrication- and hydraulic units according to customer's request. Planning and construction are done according to the customer's specifications.



Pictures are exemplary

Subject to alterations!

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Oil - air units

Pictures are in process

Drawing	Type	No. of lubrication points	Metering volume (mm ³ / stroke)	Operating voltage
FAZ03512-00	4086	1 - 6	30 / 60 / 100 / 160	115 V AC
FAZ03519-00				230 V AC
FAZ03692-00				

Oil - air mixing distributor



FAZ01822-02

FAZ02751-00

Drawing	Type	No. of lubrication points	Metering volume (mm ³ / stroke)	Operating press. (bar)		Connection Metering medium	Connection Sprayed air	Press. connection oil - air mixture
				Metering medium	Sprayed air			
FAZ04057-01	4299	2 / 4 / 6 / 8	10 / 20 / 30 / 50	10 - 50	?	M10x1	M10x1	pipe Ø 4 (plug-type conn.)
FAZ01822-02	4089	1 - 6	30 / 60 / 100 / 160	10 - 50	1 - 10	G 1/8	G 1/4	pipe Ø 4 or Ø 6
FAZ04185-01	4092	2 - 5	30 / 60 / 100	12 - 50	4 - 8	M10x1	G 1/4	M10x1
FAZ02751-00	4283	2 - 10	50	max. 50	?	M10x1	M10x1	pipe Ø 2,5 or Ø 4
FAZ03088-00	4089	1 - 6	30 / 60 / 100 / 160	10 - 50	1 - 10	G 1/8	G 1/4	pipe Ø 4 or Ø 6 (plug-type conn.)

Overview

Oil reservoir



FAZ03455-00



FAZ01918-03



FAZ03433-02



FAZ03433-00



FAZ03532-00

Model	Type	Reservoir content (l)	Reservoir material
FAZ03455-00	0457	2,5	PA
FAZ01918-03		1,2	
FAZ03433-02		4,2	PE
FAZ03433-00		2	
FAZ03532-00		4	PA

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franco

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Vehicle Lubrication Systems

Spray Lubrication Systems

Lubrication Systeme for Filling
and packaging Industries

Lubrication Systems for Wind Converters

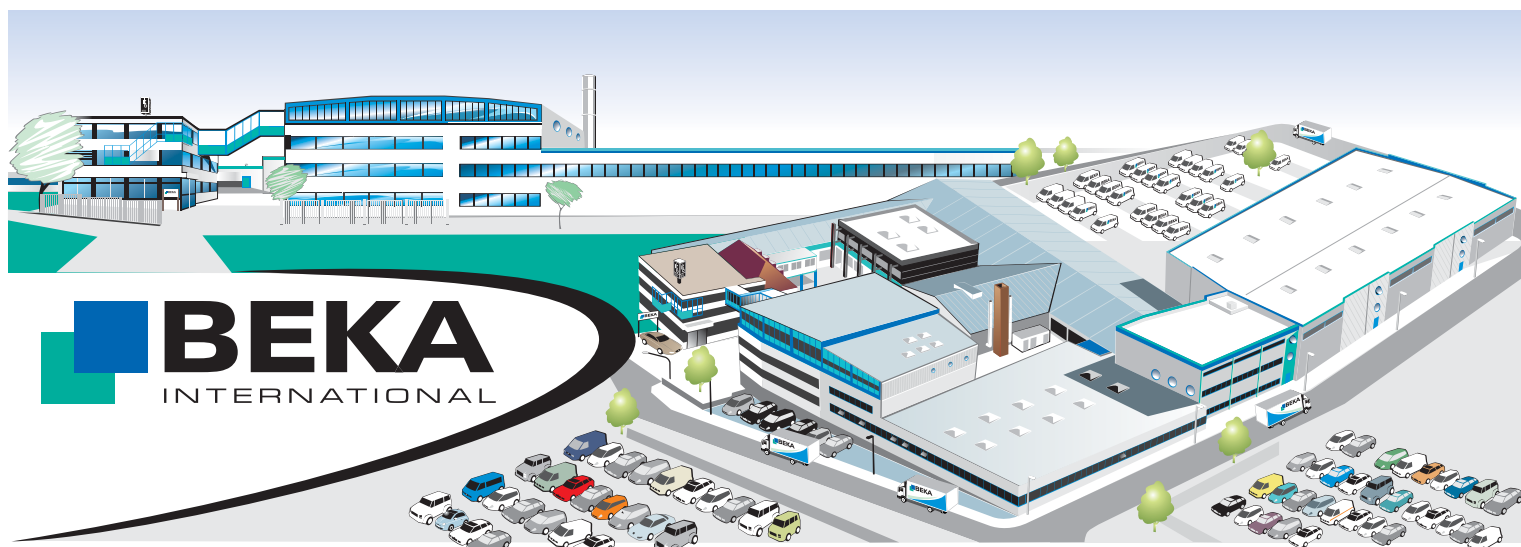
Lubrication Systeme for Wood Yards
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