

**ServiceCard
Pump ZP4000**

**Spare Part /
ServiceKits**

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Article denomination	Amount	Article number	Description
ZP4ETA0001 SP-Kit housing ZP4000/R, 30:1, AR, DL	1	ZP000001	housing ZP4000, powdered RAL 7004
	1	ZP000002	cover flange ZP4/5000, powdered RAL 7004
	1	ZP000003	installation frames ZP3000, powdered RAL 7004
	1	712200251	drive shaft ZP4000/5000/R/M
	1	713550581	feed screw ZP 4000/5000, right hand, gear transmission ration 30:1
	1	714181244	deep groove ball bearing DIN 625 - 6002 - 2RS
	1	714181644	deep groove ball bearing DIN 625 - 6201 - 2RS
	1	719514044	Woodruff key DIN 6888 - 5x6,5
	1	727113333	O-ring DIN 3771 - 36x3 - N - NBR70
	1	727120564	shaft sealing ring DIN 3760 - A 15x32x7 - NBR70
	1	736831514	conical head lubrication nipple DIN 71412 - A R1/8" - keg
	4	741011324	hexagon screw ISO 4017 - M8x16 - 8.8 - A3F
	4	741041794	countersunk screw ISO 2009 - M5x10 - 4.8 galv.
	4	741850293	profile ring A 8 - NRFS t BN 208012
	2	741861784	safety ring DIN 472 - 32x1,22
	1	742252164	dowl pin ISO 8740 - 3x16 - St
ZP4ETA0002 SP-Kit pump body ZP4000, 6 outlets i = 30 : 1	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	622054866	pump body ZP4000/5000, 6 outlets
	1	712200311	pump shaft ZP3000/4000
	1	713200321	control gear ZP3000
	1	713550471	helical gear ZP 4000, right hand, gear transmission ration 30:1
	1	714560241	spacer ZP 3000
	1	719514014	Woodruff key DIN 6888 - 4x5
	2	719514024	Woodruff key DIN 6888 - 4x6,5
	1	722084341	cam disc ZP 3000/5000
	1	726210251	scraper ZP 4000/5000
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	6	734112453	blanking plug GPN 300 F 091
	4	741020848	cheese-head screw ISO 4762 - M5x35 - 8.8 - A3F
	6	741610241	setting screw ZP
	6	741751184	hexagon nut ISO 4035 - B M5 - 04 galvanized
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741751438	hexagon nut ISO 8675 - M12x1,5 - 05
	1	741810381	guiding disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741850384	washer DIN 137 - B 12 - FSt
	1	742251324	dowl pin ISO 8742 - 3x20 - St

Article denomination	Amount	Article number	Description
ZP4ETA0003 SP-Kit pump body ZP4000, 8 outlets i = 30 :1	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	622054886	pump body ZP4000/5000, 8 outlets
	1	712200311	pump shaft ZP3000/4000
	1	713200321	control gear ZP3000
	1	713550471	helical gear ZP 4000, right hand, gear transmission ration 30:1
	1	714560241	spacer ZP 3000
	1	719514014	Woodruff key DIN 6888 - 4x5
	2	719514024	Woodruff key DIN 6888 - 4x6,5
	1	722084341	cam disc ZP 3000/5000
	1	726210251	scraper ZP 4000/5000
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	8	734112453	blanking plug GPN 300 F 091
	4	741020848	cheese-head screw ISO 4762 - M5x35 - 8.8 - A3F
	8	741610241	setting screw ZP
	8	741751184	hexagon nut ISO 4035 - B M5 - 04 galvanized
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741751438	hexagon nut ISO 8675 - M12x1,5 - 05
	1	741810381	guiding disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741850384	washer DIN 137 - B 12 - FSt
	1	742251324	dowl pin ISO 8742 - 3x20 - St
ZP4ETA0004 SP-Kit pump body ZP4000, 4 outlets i = 30 : 1	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	622054846	pump body ZP4000/5000, 4 outlets
	1	712200311	pump shaft ZP3000/4000
	1	713200321	control gear ZP3000
	1	713550471	helical gear ZP 4000, right hand, gear transmission ration 30:1
	1	714560241	spacer ZP 3000
	1	719514014	Woodruff key DIN 6888 - 4x5
	2	719514024	Woodruff key DIN 6888 - 4x6,5
	1	722084341	cam disc ZP 3000/5000
	1	726210251	scraper ZP 4000/5000
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	4	734112453	blanking plug GPN 300 F 091
	4	741020848	cheese-head screw ISO 4762 - M5x35 - 8.8 - A3F
	4	741610241	setting screw ZP
	4	741751184	hexagon nut ISO 4035 - B M5 - 04 galvanized
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741751438	hexagon nut ISO 8675 - M12x1,5 - 05
	1	741810381	guiding disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741850384	washer DIN 137 - B 12 - FSt
	1	742251324	dowl pin ISO 8742 - 3x20 - St

Article denomination	Amount	Article number	Description
ZP4ETA0005 SP-Kit reservoir ZP4000 - plastics 5 liter	1	ZP000005	housing lid ZP4/5000 - K5/10, powdered RAL 7004
	1	ZP000006	lid flange ZP4/5000 - K5/10, powdered RAL 7004
	1	ZP000007	reservoir lid ZP4/5000 - K5/10, powdered RAL 7004
	1	712250371	clutch shaft ZP4000
	1	714181244	deep groove ball bearing DIN 625 - 6002 - 2RS
	1	714560276	distance washer ZP 4000
	1	719514014	Woodruff key DIN 6888 - 4x5
	1	726210241	stirrer plate ZP 4000/5000 - BI 5/10
	1	727113533	O-ring DIN 3771 - 160x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	2	727135613	extreme pressure sealing plug
	1	731002576	reservoir tube ZP 4000/5000 - K5
	1	736717271	sieve plate ZP 4000/5000
	4	741022114	cheese-head screw ISO 4762 - M5x25 - 8.8 - A3F
	1	741062118	plug screw DIN 906 - R3/8 - 5.8 - A3F
	4	741611876	plug screw M8x1
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741861064	safety ring DIN 471 - 15x1
	2	741861784	safety ring DIN 472 - 32x1,22
	0,08	785421587	glue ARALDITE 2021, 50 ml package
ZP4ETA0006 SP-Kit reservoir ZP4000 - sheet 5 liter	1	ZP000008	reservoir casing ZP4/5000 - BI5, powdered RAL 7004
	1	ZP000009	reservoir lid ZP4/5000 - BI5/10, powdered RAL 7004
	1	ZP000010	housing lid ZP4/5000 - BI5/10, powdered RAL 7004
	1	712250371	clutch shaft ZP4000
	1	714181244	deep groove ball bearing DIN 625 - 6002 - 2RS
	1	714560276	distance washer ZP 4000
	1	719514014	Woodruff key DIN 6888 - 4x5
	1	726210241	stirrer plate ZP 4000/5000 - BI 5/10
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	2	727135613	extreme pressure sealing plug
	1	736717271	sieve plate ZP 4000/5000
	4	741022114	cheese-head screw ISO 4762 - M5x25 - 8.8 - A3F
	1	741062118	plug screw DIN 906 - R3/8 - 5.8 - A3F
	4	741611876	plug screw M8x1
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741861064	safety ring DIN 471 - 15x1
	2	741861784	safety ring DIN 472 - 32x1,22
	0	785421517	epoxy resin glue DELO 1897, 200 ml cartridge

Article denomination	Amount	Article number	Description
ZP4ETA0007 SP-Kit reservoir ZP4000 - metal 10 liter	1	ZP000009	reservoir lid ZP4/5000 - BI5/10, powdered RAL 7004
	1	ZP000010	housing lid ZP4/5000 - BI5/10, powdered RAL 7004
	1	ZP000011	reservoir housing ZP4/5000 - BI10, powdered RAL 7004
	1	712250371	clutch shaft ZP4000
	1	714181244	deep groove ball bearing DIN 625 - 6002 - 2RS
	1	714560276	distance washer ZP 4000
	1	719514014	Woodruff key DIN 6888 - 4x5
	1	726210241	stirrer plate ZP 4000/5000 - BI 5/10
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	2	727135613	extreme pressure sealing plug
	1	736717271	sieve plate ZP 4000/5000
	4	741022114	cheese-head screw ISO 4762 - M5x25 - 8.8 - A3F
	1	741062118	plug screw DIN 906 - R3/8 - 5.8 - A3F
	4	741611876	plug screw M8x1
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741861064	safety ring DIN 471 - 15x1
	2	741861784	safety ring DIN 472 - 32x1,22
	0	785421517	epoxy resin glue DELO 1897, 200 ml cartridge
ZP4ETA0008 SP-Kit pump body ZP4000, 8 outlets i = 15 : 1	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	622054886	pump body ZP4000/5000, 8 outlets
	1	712200311	pump shaft ZP3000/4000
	1	713200321	control gear ZP3000
	1	713550491	helical gear ZP 4000, right hand, gear transmission ration 15:1
	1	714560241	spacer ZP 3000
	1	719514014	Woodruff key DIN 6888 - 4x5
	2	719514024	Woodruff key DIN 6888 - 4x6,5
	1	722084341	cam disc ZP 3000/5000
	1	726210251	scraper ZP 4000/5000
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	8	734112453	blanking plug GPN 300 F 091
	4	741020848	cheese-head screw ISO 4762 - M5x35 - 8.8 - A3F
	8	741610241	setting screw ZP
	8	741751184	hexagon nut ISO 4035 - B M5 - 04 galvanized
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741751438	hexagon nut ISO 8675 - M12x1,5 - 05
	1	741810381	guiding disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741850384	washer DIN 137 - B 12 - FSt
	1	742251324	dowl pin ISO 8742 - 3x20 - St

Article denomination	Amount	Article number	Description
ZP4ETA0009 SP-Kit pump body ZP4000, 2 outlets i = 30 : 1	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	622054826	pump body ZP4000/5000, 2 outlets
	1	712200311	pump shaft ZP3000/4000
	1	713200321	control gear ZP3000
	1	713550471	helical gear ZP 4000, right hand, gear transmission ration 30:1
	1	714560241	spacer ZP 3000
	1	719514014	Woodruff key DIN 6888 - 4x5
	2	719514024	Woodruff key DIN 6888 - 4x6,5
	1	722084341	cam disc ZP 3000/5000
	1	726210251	scraper ZP 4000/5000
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	2	734112453	blanking plug GPN 300 F 091
	4	741020848	cheese-head screw ISO 4762 - M5x35 - 8.8 - A3F
	2	741610241	setting screw ZP
	2	741751184	hexagon nut ISO 4035 - B M5 - 04 galvanized
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741751438	hexagon nut ISO 8675 - M12x1,5 - 05
	1	741810381	guiding disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741850384	washer DIN 137 - B 12 - FSt
	1	742251324	dowl pin ISO 8742 - 3x20 - St
ZP4ETA0010 SP-Kit reservoir ZP4000 – plastics 10 liter	1	ZP000005	housing lid ZP4/5000 - K5/10, powdered RAL 7004
	1	ZP000006	lid flange ZP4/5000 - K5/10, powdered RAL 7004
	1	ZP000007	reservoir lid ZP4/5000 - K5/10, powdered RAL 7004
	1	712250371	clutch shaft ZP4000
	1	714181244	deep groove ball bearing DIN 625 - 6002 - 2RS
	1	714560276	distance washer ZP 4000
	1	719514014	Woodruff key DIN 6888 - 4x5
	1	726210241	stirrer plate ZP 4000/5000 - BI 5/10
	1	727113533	O-ring DIN 3771 - 160x3 - N - NBR70
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	727121024	packing ring DIN 7603 - A 5x9 - Cu
	2	727135613	extreme pressure sealing plug
	1	731002586	reservoir tube ZP 4000/5000 - K10
	1	736717271	sieve plate ZP 4000/5000
	4	741022114	cheese-head screw ISO 4762 - M5x25 - 8.8 - A3F
	1	741062118	plug screw DIN 906 - R3/8 - 5.8 - A3F
	4	741611876	plug screw M8x1
	1	741751294	hexagon nut ISO 4032 - M10 - 8 galvanized
	1	741850374	washer DIN 137 - B 10 - FSt
	1	741861064	safety ring DIN 471 - 15x1
	2	741861784	safety ring DIN 472 - 32x1,22
	0,08	785421587	glue ARALDITE 2021, 50 ml package
ZP4ETA0011 SP-Kit sealings ZP4000	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	727113333	O-ring DIN 3771 - 36x3 - N - NBR70
	1	727113533	O-ring DIN 3771 - 160x3 - N - NBR70
	2	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	1	727120564	shaft sealing ring DIN 3760 - A 15x32x7 - NBR70
	8	727121024	packing ring DIN 7603 - A 5x9 - Cu
	4	727121214	packing ring DIN 7603 - A 14x18 - Cu
	2	727121474	packing ring DIN 7603 - A 25x30 - Cu

Article denomination	Amount	Article number	Description
ZP4ETA0012 SP-Kit pump body ZP4000, 4 outlets i = 15 : 1	1	622054846	pump body ZP4000/5000, 4 outlets
	1	712200311	pump shaft ZP3000/4000
	1	722084341	cam disc ZP 3000/5000
	1	713200321	control wheel ZP3000
	1	741810381	guide disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	726210251	scraper ZP 4000/5000
	1	714560241	distance ring ZP 3000
	1	713550491	helical gear wheel ZP 4000, right hand, ratio 15:1
	4	741610241	set screw ZP
	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	741751438	hex nut ISO 8675 - M12x1,5 - 04
	1	741850384	spring disc DIN 137 - B 12 - FSt
	1	742251324	grooved pin ISO 8742 - 3x20 - St
	1	741751294	hex nut ISO 4032 - M10 - 8 galvanized
	1	741850374	spring disc DIN 137 - B 10 - FSt
	4	741751184	hex nut ISO 4035 - B M5 - 04 galvanized
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	719514014	woodruff key DIN 6888 - 4x5
	2	719514024	woodruff key DIN 6888 - 4x6,5
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	741020848	cylinder head screw ISO 4762 - M5x35 - 8.8 - A3F
	4	734112453	plug GPN 300 F 091
	4	727121024	sealing ring DIN 7603 - A 5x9 - copper
ZP4ETA0013 SP-Kit pump body ZP4000, 3 outlets i 30:1 AR DL	1	622054836	pump body ZP4000/5000, 3 outlets
	1	712200311	pump shaft ZP3000/4000
	1	722084341	cam disc ZP 3000/5000
	1	713200321	control wheel ZP3000
	1	741810381	guide disc ZP 3000
	1	741810391	counter pulley ZP 3000
	1	726210251	scraper ZP 4000/5000
	1	713550471	helical gear wheel ZP 4000, right hand, ratio 30:1
	3	741610241	set screw ZP
	1	ZP000004	protection cap ZP3000, powdered RAL 7004
	1	741751438	hex nut ISO 8675 - M12x1,5 - 04
	1	741850384	spring disc DIN 137 - B 12 - FSt
	1	742251324	grooved pin ISO 8742 - 3x20 - St
	1	741751294	hex nut ISO 4032 - M10 - 8 galvanized
	1	741850374	spring disc DIN 137 - B 10 - FSt
	3	741751184	hex nut ISO 4035 - B M5 - 04 galvanized
	1	727112347	O-ring DIN 3771 - 60x3 - N - NBR70
	1	719514014	woodruff key DIN 6888 - 4x5
	2	719514024	woodruff key DIN 6888 - 4x6,5
	1	727113727	O-ring DIN 3771 - 112x2 - N - NBR70
	4	741020848	cylinder head screw ISO 4762 - M5x35 - 8.8 - A3F
	3	734112453	plug GPN 300 F 091
65121-4176	1	651214176	capacitive level switch min. ZP4000/5000
76951-6021	1	769516021	plug to ultrasonic level switch

Article denomination	Amount	Article number	Description
ZP4ETA0014 SP-Kit pump body ZP4000, 8 outlets i = 15 : 1	1	622054886	pump body ZP4000/5000, 8 outlets
	1	712200311	pump shaft ZP3000/4000
	1	722084341	cam plate ZP3000/5000
	1	713200321	control wheel ZP3000
	1	741810381	guideing disc ZP3000
	1	741810391	counter disc ZP3000
	1	726210251	scraper ZP4000/5000
	1	714560241	spacer ring ZP3000
	1	713550491	screw wheel ZP4000, right hand, ratio 15:1
	8	741610241	adjusting screw ZP
	1	737611481	cover cap ZP3000/4000/5000
	1	741751438	hexagon nut ISO 8675 – M12x1.5
	1	741850384	spring disc DIN137 – B 12 – FSt
	1	742251324	groove pin ISO 8742 – 3x20 – St
	1	741751294	hexagon nut ISO 4032 – M10 – 8 galv.
	1	741850374	spring disc DIN 137 – B 10 – FSt
	8	741751184	hexagon nut ISO 4035 – B M5 – 04 galv.
	1	727112347	O-ring DIN 3771 – 60x3 - N - NBR
	1	719514014	spring washer DIN 6888 – 4x5
	2	719514024	spring washer DIN6888 – 4x6,5
	1	727113727	O-ring DIN 3771 – 112x2 – N – NBR70
	4	741020848	cylinder head screw ISO 4762 - M5x35 - 8.8 - A3F
	8	734112453	plug GPN 300
ZP4ETA0015 SP-Kit pump body ZP4000, 1 outlet i 30:1	1	622054816	pump body ZP4000/5000, 1 outlet
	1	712200311	pump shaft ZP3000/4000
	1	722084341	cam plate ZP3000/5000
	1	713200321	control wheel ZP3000
	1	741810381	guideing disc ZP3000
	1	741810391	counter disc ZP3000
	1	726210251	scraper ZP4000/5000
	1	714560241	spacer ring ZP3000
	1	713550471	screw wheel ZP4000, right hand, ratio 30:1
	1	741610241	adjusting screw ZP
	1	ZP000004	cover cap ZP3000/4000/5000
	1	741751438	hexagon nut ISO 8675 – M12x1.5
	1	741850384	spring disc DIN137 – B 12 – FSt
	1	742251324	groove pin ISO 8742 – 3x20 – St
	1	741751294	hexagon nut ISO 4032 – M10 – 8 galv.
	1	741850374	spring disc DIN 137 – B 10 – FSt
	1	741751184	hexagon nut ISO 4035 – B M5 – 04 galv.
	1	727112347	O-ring DIN 3771 – 60x3 - N - NBR
	1	719514014	spring washer DIN 6888 – 4x5
	2	719514024	spring washer DIN6888 – 4x6,5
	1	727113727	O-ring DIN 3771 – 112x2 – N – NBR70
	4	741020848	cylinder head screw ISO 4762 - M5x35 - 8.8 - A3F
	1	734112453	plug GPN 300
	4	727121024	seal ring DIN7603 – A 5x9 – Cu

TLM approval

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