

Spares available up to end of 2008.

List of components

Valid for all pumps in sizes: ACE 025/032/038 Rotor diameter & Generation: L1/L2, K1/K2, N1/N2

With version codes: I } R } B } E } Also valid for pump options: A020, A090, A101, A368 & IXBO A076

N } T } F } O } The version code is composed of the letters in the 4 columns.

Y } V } P } Example of pump designations

std: ACE 025L2 NTB; option: ACE 038N1 IXBO A076

Pos No	Denomination	Qty	Components included in Spare parts sets:						Note
			G011 Rotor set	G012 Rotor set	G050 Shaft seal	G053 Minor kit	G054 Major kit	G057 Joint kit	
1010	Power rotor CCW-rot.	1	x				(x)		1, 2
1020	Power rotor CW-rot.	1		x			x		1
(112)	Collar	1	x	x			x		1
113	Key	1	x	x			x		1
122	Ball bearing	1				x	x	(x)	7
124	Retaining ring	1				x	x	x	
201	Idler rotor CCW-rot	2	x				(x)		1, 2
202	Idler rotor CW-rot	2		x			x		1
401	Pump body	1							
416	Inlet flange	1							
417	Screw	8							
418	Gasket	1				x	x	x	
423	Gasket	1				x	x	x	
427	Outlet flange	1							
443	Drip nipple	1							
451	Screw	4							
453	Screw	4							
473	Grease nipple	1							
473A	Protective cover	1							
480	Valve housing	1							3
5010	Front cover	1							
502	Pin	1							5
506	O-ring	1				x	x	x	
509	Shaft seal	1			x	x	x		
514	Retaining ring	1				x	x	x	
551	Rear cover	1							6
556	Gasket	1				x	x	x	3
605	O-ring	1				x	x	x	3
606	Lower cover	1							3
607	Seal ring	1				x	x	x	3
612	Set screw	1							3
613	Pin	1							3
614	Valve piston	1							3
615	Valve spring	1					x		3, 4

Notes:

- Delivered as complete rotor set only.
CW=clockwise rotation;
CCW=counter clockwise rotation.
- Pumps with CCW-rotation have the additional pump designation 'A101'.
- Included in version code xxxP/xxxO.
- Available in two alternatives:
for max 16 bar - version code xxxP,
for max 6 bar - version code xxxO.
- Included in version code Nxxx.
- Included in version code xxxE.
- New spare part set G057 excluding ball bearing introduced. Old set available during a transition period. Part numbers, see ordering code.

ACE (K1/K2/L1/L2/N1/N2) Low pressure pump
Obsolete product - Current ACE (L3/K3/N3) see section C



Spare parts book
 April 2005

Recommendation:

For maintenance the following spare part sets are recommended:

Set: To be used:

G057 Joint kit

For dismantling of the pump

G053 Minor kit

For service

G054 Major kit

For repair after damage or greater wear.

Ordering example:

For IMO-pump ACE 032N2 NVBP, serial number 456789:

Shaft seal pos G050 p/n 190849

Valve spring pos 615 p/n 154054

Old designation:	Current designation:	Replaced by gen 2:	Replaced by gen 3
ACE 25-2 NC	ACE 025N1 IRBP	ACE 025N2 NVBP	ACE 025N3 NVBP
ACE 25-2L NC 615A	ACE 025L1 IRBO	ACE 025L2 NVBO	ACE 025L3 NVBP
ACE 032N2	ACE 032N2 NTBP		ACE 032N3 NTBP
ACE 032N2 615A	ACE 032N2 NTBO		ACE 032N3 NTBP
ACE 38-2 NC/101	ACE 038N1 IRBP A101	ACE 038N2 NVBP A101	ACE 038N3 NVBP A101
ACE 38-2 NC/60	ACE 038N1 YVBP	ACE 038N2 NTBP	ACE 038N3 NTBP
	ACE 025L1 IVBP	ACE 025L2 NVBP	ACE 025L3 NVBP
	ACE 038K1 IVBP A020		ACE 038K3 NVBP
	ACE 032N1 IXBO A076	ACE 032N2 NXBO A076	ACE 032N3 NTBP
	ACE 032N1 IVBP A090		contact IMO
	ACE 032N2 NTBP A368		ACE 032N3 NTBP

UCE=ACE standard pump with socket weld counter flanges (old designation used in USA)

Replacing ACE pumps generation 1 and 2 by current pump in generation 3

Existing Pump Unit Pump Model	Existing Motor IEC size	Frame	Replace bare shaft pump by model	Replace complete shaft coupling Part No
ACE 025L1/N1	71	130	ACE 025L3/N3	191603
or L2/N2	80	165		191604
	90	165		191605
	100/112	215		192175
ACE 032L1/N1	71	130	ACE 032L3/N3	191603
or L2/N2	80	165		191604
	90	165		191605
	100/112	215		192175
ACE 038K1/N1	80	165	ACE 038K3/N3	191640
or K2/N2	90	165		191641
	100/112	215		191741
	132	265		191742

The existing shaft coupling for pump size 025 can be used also after the changing the pump into generation 3. The designations of the shaft couplings may refer to other pump series as the same coupling is used to several pump series.

		Part numbers for pump size		
		025	032	038
Pump	ACE xxxL3 NQBP	190475	190474	--
	ACE xxxL3 NTBP	189899	189894	--
	ACE xxxL3 NVBP	189897	189892	--
	ACE xxxK3 NQBP	--	--	190471
	ACE xxxK3 NTBP	--	--	189889
	ACE xxxK3 NVBP	--	--	189886
	ACE xxxN3 NQBP	190472	190473	190470
	ACE xxxN3 NTBP	189898	189893	189888
	ACE xxxN3 NVBP	189686	189797	189788
	ACE xxxN3 NVBP A101	190837	191066	190851

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Ordering code

Pos No	Spare parts (set)	Part no for pump size			Note
		025	032	038	
G011	Rotor set CCW-rot N-lead	162412	189314	180315	
G012	Rotor set CW-rot K-lead	--	--	156166	
	" L-lead	162560	187500	--	
	" N-lead	096735	100420	099820	
G050	Shaft seal xRxx	192086	192088	192089	
	" xTxx	190810	190811	190812	
	" xVxx	190848	190849	190850	
	" A076	--	182238	182246	
	" A368	190810	190811	190812	
G053	Minor kit xTxx	189191	189193	189195	3
	" xVxx	189434	189435	189436	3
G054	Major kit=G012(G011)+G053+615				
G057	Joint kit				
	incl. ball bearing xTxx, xVxx	179614	179622	179630	3
	Joint kit xRxx	192090	192091	192092	
	excl. ball bearing xTxx, xVxx	191434	191435	191436	
122	Ball bearing	077453	078576	077461	
	" A090	191679	191681	--	
480	Valve housing	154021	154021	154070	2
5010	Front cover	153999	154039	154088	1
502	Tension pin Nxxx	027326	027326	027326	
612	Set screw	076711	076711	077214	
613	Tension pin	027276	027276	027284	
614	Valve piston	076729	076729	077222	
615	Valve spring xxxO	154419	154419	154427	
	" xxxP	154054	154054	154104	
S2	O-ring xTxx	190806	190807	190808	
S6	O-ring xTxx	190791	190793	190792	
	Mounting sleeve	188886	188887	188888	

Notes:

- 1) When ordering a front cover Nxxx, tension pin pos 502 should also be ordered.
- 2) Not valid for A020
- 3) Not valid for A090
- 4) Two strainers to each double assembly
- 5) Included in double assembly Q11x
- 6) - " - Q12x
- 7) - " - Q11x or Q12x

For obsolete double assembly T3B

2	Joint for flange - size 025	018457
	- " - size 032 outlet	018457
	- " - size 032 inlet	018036
	- " - size 038	018036

For obsolete assembly T3B, as sectional view, please use the sectional view shown for pump ACD.

If you require other parts for the double assemblies not shown in the view below, please contact us.

For double assembly T4			Note
2	Joint	160929	
5	Strainer in unit Q1xx	160937	4
"	- " - Q2xx	172866	4
"	- " - Q3xx	161885	4
13	Pressure gauge T10 bar*	172346	5
"	Pressure gauge T25 bar**	160952	6
14	Pressure gauge T-1/+9 bar***	160960	7

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Exploded view

