



Maintenance Schedule Of CNG Stations

(Types of Maintenance Kits can be found below)



Quality. Our DNA

Incl. in MK:	Maintenance kit (MK):	a1	ab1	a1	abc1	a1	ab1	a1	abcd1	abcde1	
	Maintenance and testing works depending on time**:	annually	2 years	3 years	4 years	5 years	6 years	7 years	8 years	16 years	
	Maintenance and testing works depending on operating hours**:	2,000hrs	4,000hrs	6,000hrs	8,000hrs	10,000hrs	12,000hrs	14,000hrs	16,000hrs	32,000hrs	
*	ACD – to be maintained and checked (separate kit available)	X	X	X	X	X	X	X	X	X	
	Anti vibration elements – function to be checked (exchange if damaged)	X	X	X	X	X	X	X			
*	Anti vibration elements – to be exchanged								X	X	
	ATEX safety devices functional testing	X	X	X	X	X	X	X	X	X	
d1	Connecting-rod and upper bearings (K28.xx) – to be exchanged	As required								X	X
*	Coolant – to be exchanged								X	X	
	Coolant level – to be checked and filled up if necessary (liquid cooled units)	X	X	X	X	X	X	X			
	Cylinders, piston and piston rings – to be checked for wearing				X						
d1	Cylinders, piston and piston rings – to be exchanged (exch. in combination only)	As required								X	X
*	Direct clutch (if mounted) – to be exchanged								X	X	
e1	Driving gear or crank shaft, main bearings and slide bearings – to be exchanged									X	
	Electrical motor – to be lubricated (if lubricating nipples available)	X	X	X	X	X	X	X	X	X	
	Electrical terminal clamps – to be checked for strength	X	X	X	X	X	X	X	X	X	
	Emergency button – function to be checked (if mounted)	X	X	X	X	X	X	X	X	X	
	Fan blades – to be checked	X	X	X	X	X	X	X	X	X	
*	Fan blades – to be exchanged (if possible)	Every 10 years									
	Filling hose – to be checked for tightness and damages (exchange if damaged)	Every 6 months									
	Filling nozzle – to be lubricated and checked for damages	Every 3 months									
*	Filter cartridge, molecular sieve and desiccant – to be exchanged	As required / According to saturation									
*	Final separator filter cartridge – to be exchanged	X	X	X	X	X	X	X	X	X	
	Fittings to be fixed according to torque load	X	X	X	X	X	X	X	X	X	
	Functional testing, final inspection, test run	X	X	X	X	X	X	X	X	X	
a1	Intake filter – to be exchanged	X	X	X	X	X	X	X	X	X	
	Intermediate pressures (all stages) and oil pressure - to be checked	X	X	X	X	X	X	X	X	X	
	Leak test and general visual inspection of unit	X	X	X	X	X	X	X	X	X	
*	Oil – to be exchanged	X	X	X	X	X	X	X	X	X	
a1	Oil filter cartridge – to be exchanged	X	X	X	X	X	X	X	X	X	

*Not included in maintenance kit a/b/c. To be ordered separately. Maintenance works after 8 years till 16 years / 16,000hrs till 32,000hrs similar to the previous intervals.

**Maintenance and testing works according to interval vs. time, whatever comes first (time OR operating hours).

Maintenance Kit versions and interval: see last page



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	Oil injection nozzle – function to be checked and cleaned (exchange if damaged)	X	X	X	X	X	X	X		
*	Oil injection nozzle – to be exchanged								X	X
	Piston and sleeve assembly – to be checked	X		X		X		X		
b1	Piston and sleeve assembly – to be exchanged		X		X		X		X	X
	Pressure gauges – to be checked for function and precision				X				X	X
	Pressure hoses/hoses - to be checked for tightness and damages (exch. if necessary)	Every 6 months								
*	Pressure hoses / hoses – to be exchanged	Every 6 years								
*	Pressure relief valve – to be checked (order maintenance kit if necessary)	X	X	X	X	X	X	X	X	X
	Pressure switches and pressure relief valve settings – to be checked	X	X	X	X	X	X	X	X	X
	Pressure vessel – to be checked (according to PED – Pressure Equipment Directive)					X				
*	Pressure vessel – to be exchanged after reaching maximum amount of load cycles	According to PED								
	Pressure vessel, recording of working hrs and load cycles – to be controlled visually	X	X	X	X	X	X	X	X	X
	Reporting, test sticker to be attached	X	X	X	X	X	X	X	X	X
*	Priority Panel to be maintained	X	X	X	X	X	X	X	X	X
*	Safety valves - to be checked (no tests possible → SV have to be exchanged)	X	X	X	X	X	X	X	X	X
a1	Seals and o-rings acc. to maintenance kit – to be exchanged	X	X	X	X	X	X	X	X	X
c1	Seals and o-rings acc. to maintenance kit – to be exchanged				X				X	X
	Sensors (temperature / gas / pressure / dewpoint) – function to be checked	X	X	X	X	X	X	X	X	X
	Separator, drain of condensate collector – to be cleaned and checked for damages	X	X	X	X	X	X	X	X	X
	Suction- and pressure valves - to be checked (all stages)	X		X		X		X		
	Shaft seal - to be checked and exchanged if necessary									X
b1	Suction- and pressure valves – to be exchanged (all stages)		X		X		X		X	X
	V-belt - to be checked	X	X	X		X	X	X		
*	V-belt – to be exchanged				X				X	X
	Water pressure in cooling system – to be checked (liquid cooled units)	X	X	X	X	X	X	X	X	X

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Maintenance Kit Versions:

A- Breathing Air Applications	(Diving, Fire Fighting....)	Maintenance Interval: 500hrs
D- Dry gases	(Nitrogen, Argon....)	Maintenance Interval: 1.000hrs
G- Gas-Applications	(Natural Gas)	Maintenance Interval: 2.000hrs
He- Helium- Applications	(Helium; for G-Units with He applications, too)	Maintenance Interval: 1.000hrs
I- Industry- Applications	(Industry-Air Applications; others...)	Maintenance Interval: 1.000hrs