



Maintenance Schedule Of Breathing Air Units

(Types of Maintenance Kits can be found below)



Quality. Our DNA

Incl. in MK:	Maintenance kit (MK):	a1	ab1	a1	abc1	a1	ab1	a1	abc1	abc1
	Maintenance and testing works depending on time**:	yearly	2 years	3 years	4 years	5 years	6 years	7 years	8 years	16 years
	Maintenance and testing works depending on operating hours**:	500hrs	1,000hrs	1,500hrs	2,000hrs	2,500hrs	3,000hrs	3,500hrs	4,000hrs	8,000hrs
*	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
	Cylinders, piston and piston rings – to be checked for wearing				X				X	X
*	Cylinders, piston and piston rings – to be exchanged (exchange in combination only)	As required								
	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								
*	Filter cartridge – 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 (mineral) – to be exchanged	X	X	X	X	X	X	X	X	X
*	Oil (synthetic) – to be exchanged		X		X		X		X	X
a1	Oil filter cartridge – to be exchanged	X	X	X	X	X	X	X	X	X
	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
*	Oxygen sensors – to be exchanged (B- Trox units only)	X	X	X	X	X	X	X	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	X	X	X	X	X	X
	Pressure hoses/hoses –to be checked for tightness and damages (exch. if necessary)	Every 6 months								

*Not included in maintenance kit a/b/c. To be ordered separately. Maintenance between 8 years and 16 years / 4,000hrs and 8,000hrs similar to the previous intervals.

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

Maintenance Kit versions and interval: see last page



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*	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 sensors - to be checked (if available)				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
*	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
	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		
b1	Suction- and pressure valves – to be exchanged (all stages)		x		x		x		x	x
	Temperature sensors - to be checked (if available)				x				x	x
	V-belt - to be checked	x	x	x		x	x	x		
*	V-belt – to be exchanged				x				x	x

*Not included in maintenance kit a/b/c. To be ordered separately. Maintenance between 8 years and 16 years / 4000hrs and 8000hrs similar to the previous intervals.

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

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