KOKS CYCLOVAC Air displacement system with cyclone separator



The KOKS CycloVac air displacement system with cyclone separator is designed for heavy industrial applications and is suitable for suctioning, displacing (option), transporting and unloading of dry, wet and hazardous substances, such as various types of catalyst, (roof) gravel, powders, fly ash and sludge. Specially developed for working with hazardous and contaminated substances, the system is available in PED, ASME, ADR (Ceoc) and/or ATEX (Ex) (pump system) versions and built in accordance with all applicable safety standards.

Usage

The KOKS CycloVac is the perfect air displacement system for heavy duty suction, displacement and transportation activities in the construction and (petro) chemical industries and for all general industrial applications.

Characteristics

The powerful Roots blower gives the KOKS CycloVac air displacement system a very high suction and displacement capacity, which makes it possible to process and transport large quantities of dry substances, liquids, gravel, sand, etc. in a very short time. The user benefits from significant time savings and a huge reduction in cost.

Versions

The KOKS CycloVac air displacement system can be fitted with various option kits that are appropriate for your needs, for industrial applications and/or for sewer cleaning activities.



- Easy control.
- Suction with 8,100 m³/h, max 96% underpressure; blowing with 1,050 mbar overpressure.
- Self-cleaning cyclone separation keeps the cyclones dust free at all times (patent pending).
- Cyclone separation instead of filter separation on behalf of:
- lower maintenance costs.
- less resistance (no trouble by filter pollution).
- more user-friendly suctioning of liquids.
 Approved in accordance with ASME
- Approved in accordance with ASME American type-approval/PED or ADR (Ceoc) European type-approval.
- Built to the latest environmental and safety standards.
- Optimum balance between a chassis with a short wheelbase and maximum tank capacity.
- Available as skid.
- Ergonomic and chassis-dependent construction by means of a versatile auxiliary frame and an adjustable pump angle.
- Blower is mounted in the middle of the chassis for a better load distribution.
- Light construction provides a good load distribution and offers the possibility to be assembled on a 3-axle chassis with a large loading capacity.
- High-quality, long life span and economically justified purchase price.
- By easy cleaning and exchanging the safety filters, the machine is versatile and various products can be vacuumed up one after the other, without causing pollution.















Technical c	haractoristics		
recinical c	inaracteristics		
Body suitable for			
3-axle chassis with a	minimum engine power output of	400 hp.	
Designed and certi	fied for		
Suctioning, displacing	g (option), transporting and unload	ling dry, wet and	
hazardous substance	s, such as sludge, sand, (roof) grave	l, fly ash, powders and	
various types of liquid	ds.		
PED (Pressure Equipn	nent Directive) in accordance with I	EN 97/23/EC standards.	
Pressure/vacuum ta	ank		
Volume	: 12 m ³ , excl. cyclone separator		
Material	: stainless steel AISI 316 grade;	material no. 1.4404.	
Rear door	: hydraulically opening and loc	king.	
Emptying	: by means of tipping (45°) or a	by means of tipping (45°) or air displacement.	
Loading	: by means of suctioning or thr top.	rough the manhole on	
Including	: 6" suction connection, incl. co	oupling as desired,	
J	provided with 8" elbow with e	exchangeable Hardox	
	· 6" discharge connection incl	coupling as desired on	
	the rear door (oveluding quid	k-roloaso system)	
	· lovel detectors	r-i ciedse system).	
Cyclone constator	. level detectors.		
Design	· 2x 4 cyclones for separation c	f material narticles	
Design	with a separation degree at m	natorials with a specific	
	aravity of 580 kg/m3 - 07.3%	with 1.3 um size of	
	mesh.	with 1,3 µm size of	
Provisions	: separator tank, provided with	a vacuum return	
	system in combination with t	he air cleaning system	
	(air shock system/air return cu	urrent) on behalf of	
	cleaning the cyclones and filt	er elements.	
Including	: cyclone/filter cleaning by me	ans of a programmed	
	3 phase pulse time interval sv	vitch, adjustable on the	
	control panel.		
	: level detector (wet/dry) in the	e collecting receptacle.	
	: labyrinth plates in the pressur	re/vacuum tank.	
	: fine dust safety filter.		
Vacuum pump	2		
Туре	: Roots blower.		
Air displacement	: 8,100 m°/h (220 kW).		
Max. vacuum	: 96%.		
Max. overpressure	: 1,050 mbar.		
Drive	: by means of a crank shaft and	V-belt transmission	
	from the fly wheel PTO.		
Including	: silencers.		
Dimensions			
Length	: approx. 9,400 mm.		
Width	: approx. 2,500 mm.		
Height	: approx. 3,950 mm, chassis-de	pendent.	
Wheelbase	: approx. 4,500 mm (axle 1 - axl	le 2) + 1,400 mm,	
	chassis-dependent.		
Weights			
Weight empty	: approx. 17.6 ton, cha	assis and version	
Marcharden 1 1 1	dependent.		
iviax. technical permi	ttiple weight : approx. 33 ton (com 6x4 chassis).	pined with a 33 ton	





Options

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ADR (Ceoc) kit	

* to be agreed



Additional options CycloVac

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Blowing cover provided with
quick-exchange system
СҮ•02 50
Liquid cover in combination with the
quick-exchange system (see CY•01)
СҮ•03 50
Tank volume approx. 15 m ³
CY•04 50
Transfer box drive
СҮ•05 50
Additional toolbox,
mounted on the bottom right
CY•06 50
Stand-alone execution

PED

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