

## Optional Equipment



**Prestart heating of the cooling liquid** – electric heater of the cooling liquid, which requires 220W power and is used for engine maintenance in the hot standby condition when mounted on the second and third automation stages' diesel electric stations or on the power plants working as reserve power sources. Cooling liquid temperature in a guard mode should be kept by a controller at 35-45° C.



**Automatic reserve switching device** – loading reserve power source for 2 and more inputs power-supply system intended for its reliability enhancement. It starts automatically when the main power-supply source stops its operation by any reason.



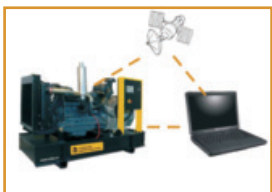
**Separators** – remove all the dirt, including organic and non-organic materials, microorganisms and water from the fuel. Separators' appliance sufficiently reduces operating costs and downtime and as a result not only saves money, but even brings extra profit.



**Controller for the autonomous diesel generator stations' parallel operation.** This controller performs automatic start and stop of a certain generator from an energy system, which consist of several generator units, depending on their power consumption. It also equally spreads the load and power between the working stations of the system and guarantee constant and high quality power supply of an object.



**Reduced noise level silencer** – are used for reduce of exhaust noise of the operating opened unit. Besides the CHKZ ADGU units are supplied with standard silencers in basic version, they could be supplied by the ones which reduce the noise level for 20 dB. The units delivered in cabinets are supplied with this type of silencer on default.



**ADGU remote access control.** This option provides remote start and stop the of engine, control of the ADGU inlet parameters, adjustment operation regimes and the unit additional options control.



**Chassis.** There are mobile implementations of ADGU units available on chassis (1- or 2-wheeled) or rails (upon request).

## Questionnaire

For a compressor unit selection please fill in the questionnaire and send it by fax: 8 (351) 775-10-20

1. Required technical characteristics of the DEN, KP and KV compressor units		
1.1.	Compressed air pressure (discharged), overpressure, psig (mPa): - maximal - minimal	
1.2.	Maximal gas flow, CFM (m <sup>3</sup> /min), min	
1.3.	Compressor unit version: 1. - mobile (on chassis) - portable (without chassis) 2. - with preheating - without preheating	
1.4.	Operation place: opened area, workshop etc.	
1.5.	Power supply network connection: - dead-grounded neutral (general version); - isolated neutral (mines, open cast mines etc.)	
1.6.	Type of work: distribution pipeline construction, blast-hole drilling, engineering work etc.	
1.7.	Engineering line length, m Pipeline average diameter, m	
1.8.	Ambient air temperature, F (°C): - upper limit - lower limit	
1.9.	Dustiness of the operation area, mg/m <sup>3</sup>	
1.10.	Average humidity of the ambient air, %	
1.11.	Compressed air consumers	
1.12.	Additional equipment necessity: - high pressure hoses (length, m) - pneumatic hammer - air logic equipment etc.	
1.13.	Additional requirements (vehicle registration document)	
2. Outlet compressed air quality requirements:		
2.1.	Solid particle size, max, µm	
2.2.	Residual oil content, mg/m <sup>3</sup>	
2.3.	Dew point required, F (°C)	
3. Customer information		
3.1.	Company name	
3.2.	Company address	
3.3.	Contact person	
3.4.	Position, phone number	

## Questionnaire

1. Required technical characteristics of the compressor and nitrogen units mounted in BKK (compressor block-modular station)		
1.1.	Pumped over gas type	<input type="checkbox"/> air <input type="checkbox"/> nitrogen
1.2.	Compressed air pressure (discharged), psig (mPa): - maximal - minimal	
1.3.	Maximal gas flow, m <sup>3</sup> /min, min.	
1.4.	Maximal acceptable engine power, HP (kW)	
1.5.	Power supply source (model, if autonomous)	
1.6.	Nitrogen stations' requirements (reserve necessity)	
1.7.	Gas consumers	
1.8.	Engineering line length, m Pipeline average diameter, m	
1.9.	Ambient air temperature, F (°C): - upper limit - lower limit	
1.10.	Operation region	
1.11.	Dustiness of the operation area, mg/m <sup>3</sup>	
1.12.	Fire safety requirements	
1.13.	Air tank supply, volume	<input type="checkbox"/> yes <input type="checkbox"/> no
1.14.	Additional requirements	
1.15.	Nitrogen generator type (if 1.1. is «nitrogen»)	<input type="checkbox"/> membrane <input type="checkbox"/> adsorbtion
2. Outlet compressed air quality requirements:		
2.1.	Solid particle size, max, µm	
2.2.	Residual oil content, mg/m <sup>3</sup>	
2.3.	Dew point required, F (°C)	
3. Customer information		
3.1.	Company name	
3.2.	Company address	
3.3.	Contact person	
3.4.	Position, phone number	

## Questionnaire

Please send the complete questionnaire to the «Chelyabinsk Compressor Plant» CJSC sales department by fax 8 (351) 775-10-2 or to the email: VPegin@chkz.ru

1. Name \_\_\_\_\_ 2. Position \_\_\_\_\_  
3. Phone number and e-mail \_\_\_\_\_ 4. Name and address of the company \_\_\_\_\_

### Main consumers:

Parameters required for an ADGU selection	
1.	Nominal power of one unit, kW
2.	Maximal power, kW
3.	Generator voltage, kW
4.	Number of phases
5.	Number of units, pc.
6.	Automation level
7.	ADGU operating regime required <div style="display: flex; justify-content: flex-end; gap: 10px;"> <input type="checkbox"/> Main power supply   <input type="checkbox"/> Reserve power supply  <input type="checkbox"/> Autonomous operation time, hours </div>
8.	<input type="checkbox"/> If ADGU is supposed to be the reserve power supply, please indicate if a reserve start automation is needed <div style="display: flex; justify-content: flex-end;"> <input type="checkbox"/> yes   <input type="checkbox"/> no </div>
9.	If ADGU is supposed to be the main power source, please indicate the required working regime <div style="display: flex; justify-content: flex-end; gap: 10px;"> <input type="checkbox"/> main (independent)  <input type="checkbox"/> parallel to a network  <input type="checkbox"/> parallel to other similar generators (type, model) </div>

### Main consumers:

Name	Power	Starting currents

### Operation place and conditions:

Height above the sea level, m	
Ambient air temperature	- minimal, °C
	- maximal, °C

### Version:

Opened on a frame	In a noise insulation housing on chassis	In a noise insulation housing	Block-modular	Block-modular on chassis	Block-modular on sledge
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### Object:

Location	
Object type (residential area, industrial area, other)	
Electric power station purpose	
Annual running time	
Special ecological and noise requirements	

Required delivery terms: \_\_\_\_\_ Delivery address \_\_\_\_\_

Additional requirements to the electric power station equipment

(cooling liquid heating, remote control, manual control etc.): \_\_\_\_\_



# CHELYABINSK COMPRESSOR PLANT

## Regions of Company's Presence



## Contacts

### Mailing Address

P.O. Box 8814  
2-B Lenina Avenue  
Chelyabinsk  
Russia  
454085

### General Director

Albert Yalaletdinov

### Reception

tel./fax: +7 (351) 775-10-20  
e-mail: [chkz@chkz.ru](mailto:chkz@chkz.ru)  
[www.chkz.ru](http://www.chkz.ru)

### Deputy General Director

Sergey Savelyev  
e-mail: [ccc@chkz.ru](mailto:ccc@chkz.ru)  
tel.: +7-919-111-77-75

### Sales Manager

Alexander Vasko  
e-mail: [sever@chkz.ru](mailto:sever@chkz.ru)  
tel.: +7-919-111-77-31

### Head of Export Market Department

Arthur Karimov  
e-mail: [hp@chkz.ru](mailto:hp@chkz.ru)  
tel.: +7 (351) 775-10-20 (ext. 981)  
mob.: +7-912-77-11-979

### Head of Power System Department

Vadim Pegin  
e-mail: [VPegin@chkz.ru](mailto:VPegin@chkz.ru)  
tel.: +7 (351) 775-10-20 (ext. 945)  
mob.: +7-919-111-77-85

### Technical Department

e-mail: [techotdel@chkz.ru](mailto:techotdel@chkz.ru)  
tel.: +7 (351) 775-10-20 (ext. 970)

### Service Department

e-mail: [service@chkz.ru](mailto:service@chkz.ru)  
tel.: +7 (351) 775-10-20 (ext. 952)  
mob.: 8-909090-73-74

### Spare Parts Department

e-mail: [service@chkz.ru](mailto:service@chkz.ru)  
tel.: +7 (351) 775-10-20 (ext. 921)

### Marketing Department

e-mail: [service@chkz.ru](mailto:service@chkz.ru)  
tel.: +7 (351) 775-10-20 (ext. 943)

# Compressed Air Power

[www.chkz.ru](http://www.chkz.ru)

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«CHKZ» CJSC is entitled to change technical characteristics of its equipment without a preliminary notice.  
Please check current characteristics on our web site [www.chkz.ru](http://www.chkz.ru) or by phone +7 (351) 775-10-20.