

**QUESTIONNAIRE**

**to order a piston compressor**

1. **Location information**

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| 1.1 Installation name |  |
| 1.2 Name of the compressor and its number according to the technological diagram |  |

1. **Compressed medium**

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| --- | --- |
| Medium name |  |
| Density at operating conditions at intake, kg/m³ |  |
| Density under standard conditions (0°C, 1 atm), kg/nm³ |  |
| Gas composition | % molar | % wt. |
|  |  |
| Oil content in the exhaust gas: maximum permissible |  |
| Moisture presence at intake, ppm vol. |  |
| Mechanical impurities content, % mass/particle size, mm (µm) |  |

**3. Operating conditions**

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| Nominal capacity (T = 273 K, P = 0.1013 MPa) nm³/h (normal cubic meters per hour) |  |
| Capacity at intake conditions, m³/h |  |
| Adjustable capacity range, nm³/h (normal cubic meters per hour) |  |
| Intake temperature, °C |  |
| Discharge temperature, °C |  |
| Intake pressure, gauge kgf/cm² (MPa) |  |
| Discharge pressure (max.), gauge kgf/cm² (MPa) |  |
| Cooling type: air/liquid |  |
|  Cooling air temperature |  |
|  Cooling fluid |  |
|  Cooling water temperature (inlet/outlet) |  |
| Operating mode |  |

**4. Compressor**

|  |  |
| --- | --- |
| Quantity, pcs. |  |
| Type: |  |
| Compressor installation location |  |
| Drive type (gas piston/diesel/electric) |  |
| Gas piston |
| Inlet gas pressure |  |
| Gas composition: |  |
|  Electric motor: |
| Type |  |
| Energy efficiency class |  |
| Starting current multiplier |  |
| Power supply voltage, V |  |
| Power supply frequency, Hz |  |
| Power consumption (calculated), kW |  |
| Control and ESD cabinets, version |  |
| Location of ESD and control cabinets |  |
| Gas cooling system type |  |

**5. Additional information**

|  |  |
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| Category and group of explosive mixture according to GOST 12.1.011-78 (Ukraine) |  |
| Classification of hazardous area according to PUE (NPAOP 40.1-1.32-01) |  |
| Climatic version and placement category according to GOST 15150-69 |  |
| Hazard class according to GOST 12.1.007-76 |  |
| Ambient air temperature, °C: |
| Cold five-day period |  |
| Absolute minimum temperature |  |
| Permissible sound pressure level at 1 m distance |  |