**CPI Separator – Explosion-Proof Submersible Pumps**

Technical specifications of the pump unit for CPI separators 100 P5A:D – 4 units

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| LP. | Parameter | Requirements | Bidder’s Response / Detailed Data (please provide specific values and details) |
| 1 | Operating parameters: | Qp = 100 m³/h at hp=20 m H₂0 |  |
| 2 | Motor power (installable): | Up to 11 kW |  |
| 3 | Medium | As per Attachment No. 1 |  |
| 4 | Sealing | Viton / FKM |  |
| 5 | Pump casing and suction cone: | High-chromium cast iron |  |
| 6 | Impeller | Open, single-blade skewed impeller, high-chromium cast iron |  |
| 7 | Shaft sealing | Double mechanical seal |  |
| 8 | Unit must operate in hazardous area | Ex strefa 1 IIB T3 |  |
| 9 | Explosion-proof features of the offered unit: | – Motor type: Exd  – Mechanical part: type h |  |
| 10 | Unit to be supplied with a specialized external actuator (if required), compatible with temperature and moisture sensors | |  |
| 11 | Unit equipped with Klixon-type temperature sensor and moisture sensor | |  |
| 12 | Unit terminated with discharge flange DN100 PN10 | |  |
| 13 | Electrical connection diagram to be provided with the offer, showing connection of the pump unit and all sensors to the power and control system, including Ex protection measures | |  |
| 14 | Operating manual in Polish to be provided with the offer (including cross-sectional drawing of the unit with parts list) | |  |
| 15 | Declaration of conformity or sample declaration of conformity in Polish to be provided with the offer, in accordance with applicable ATEX regulations | |  |
| 16 | Ex type examination certificate or sample certificate with all attachments to be provided with the offer (scan of original + Polish translation) | |  |
| 17 | Cable datasheets to be provided with the offer. Cables must be resistant to aggressive chemicals | |  |
| 18 | Cable length: 15 meters | |  |
| 19 | Recommended separate power and control cables (sensor outputs) | |  |
| 20 | Nameplates and their mounting made of acid-resistant stainless steel | |  |
| 21 | Offer must include information about authorized service for the offered pump units, including service location and spare parts availability | |  |
| 22 | Pump performance curves to be provided with the offer: flow rate, pressure, efficiency, and power. High-efficiency units are preferred | |  |
| 23 | Electric motor technical data to be provided with the offer: power, insulation class F, motor efficiency, minimum IP68. High-efficiency units are preferred. | |  |
| 24 | Warranty: 24 months from warehouse acceptance date | |  |
| 25 | Unit to be equipped with a stand with height between 250 mm and 350 mm (measured from base of stand to center of discharge flange) | |  |

Prosimy w ofercie odnieść się do wszystkich w/w punktów.