

ADVANCED

EXPERTISE CONTROLLING SYSTEM.

Technology Creator



AUTOMATION

Solution Provider for Your Applications



AUTOMATION



INNOVATION



PROCESS



PRODUCTIVITY



TECHNOLOGY



SYSTEM



CONTROL



INTEGRATION

ABOUT ADECS

MANUFACTURER OF

- ELECTRICAL & AUTOMATION CONTROL PANEL.
- BLANKETING SYSTEM
- PRESSURE CONTROL VALVES
- SAFETY RELIEF VALVES
- TANK PROTECTION DEVICES
- FLAMEPROOF ELECTRICAL EQUIPMENTS

At ADVANCED EXPERTISE CONTROLLING SYSTEM (ADECS) we offer one-stop solution with complete range of Electrical & Automation Control Panels with Flame Proof & Non Flame Proof enclosure, Pressure Control Valves, Safety Relief Valves, Tank Protection Devices, Centrifuges Blanketing Systems and High Pressure Manifold Systems Under one Roof. With our learning attitude and acquired knowledge, we have established ourselves as a trusted business partner for all our customer and supplier. Our clients are spread wide across the globe ranging from mid-sized to Multi National Companies from OEMs to end users. Our team is well equipped to execute customized integration as per requirement using a wide range of technologies. Our in house manufacturing unit helps us to offer better control of quality leading towards overall profitability for our clients. Through the use of advanced tools, high technology and excellent quality control system, we are able to supply high quality products at a competitive price.

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VFD CONTROL PANEL



CUSTOMIZED VFD CONTROL PANEL BASED ON USER REQUIREMENT & APPLICATION

- Integration of VFD in Flame Proof & Non Flame Proof Control Panel.
- Siemens make, ABB make, Allen Bradley make, Schneider make, Delta make & many more based on user requirement.

CONTROL PANEL



STARTER CONTROL PANELS

- Customized PLC Control Panel with integration of Siemens make, ABB make, Allen Bradley make, Schneider make, Delta make PLC for various machines & process automation.

PLC CONTROL PANEL



PLC & HMI CONTROL PANEL

- Customized PLC Control Panel with Integration of Siemens make, ABB make, Allen Bradley make, Schneider make, Delta Make PLC for various machines & process automation.

FLAME PROOF / WEATHER PROOF CONTROL PANEL



FLAME PROOF PLC & HMI CONTROL PANEL

- CIMFR / PESO Certified Customized FLP Enclosure with complete design & Integration of PLC & HMI of reputed makes such as Siemens make, ABB Make, Allen Bradley make, Schneider make, Delta Make based on customer requirement & application.

MCC & PCC CONTROL PANEL



MCC & PCC CONTROL PANEL

- Compartmentalized Motor Control Panel & Power Control Panels with Integration of reputed make switchgears & accessories.

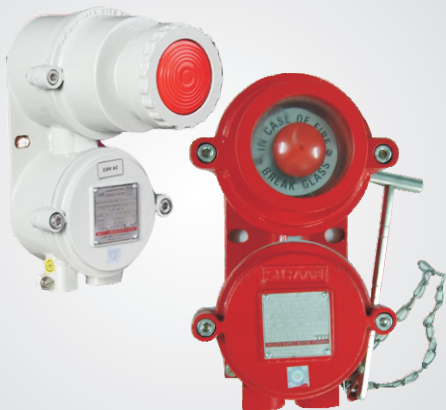
FLP / WP DISTRIBUTION PANEL



FLAME PROOF / WEATHER PROOF POWER DISTRIBUTION PANEL

- CIMFR / PESO Certified FLP Enclosure.
- Gas Group IIA, IIB & IIC.
- Certified for Zone 1 & Zone 2.
- Customized Distribution Panels with reputed make switchgears.

FLAME PROOF / WEATHER PROOF ELECTRICAL EQUIPMENTS



FLP / WP HOOTER, BEACON LAMPS, LIGHTS, SWITCH SOCKETS ETC.

- CIMFR / PESO Certified FLP Enclosure.
- Gas Group IIA, IIB & IIC.
- Certified for Zone 1 & Zone 2.

FLP / WP JUNCTION BOX



JUNCTION BOXES

- CIMFR / PESO Certified FLP Enclosure.
- Gas Group IIA, IIB & IIC.
- Certified for Zone 1 & Zone 2.

FLP & NON FLP AIR CURTAINS



CUSTOMIZED AIR CURTAINS

- Flame Proof / Weather Proof Air Curtains.
- Suitable for gas group II-A, II-B & II-C
- Certified for Zone 1 & Zone 2.
- Non Flame Proof Air Curtains for clean room area.

SELF ACTUATED PRESSURE CONTROL VALVE



UP STREAM / DOWN STREAM CONTROL VALVE

- The basic working principal for this valve is force balance principal achieved by spring diaphragm mechanism. This PRV monitors and control outlet pressure irrespective of variation in inlet pressure and flow rate.

BACK PRESSURE RELIEF VALVE



- This BPRV is an active protection device designed to protect the tank from possible over pressurization. The pressurization can be positive or negative. BPRV is combination of pressure relief valve & vacuum relief valve.

GAS FLOW TRANSMITTER

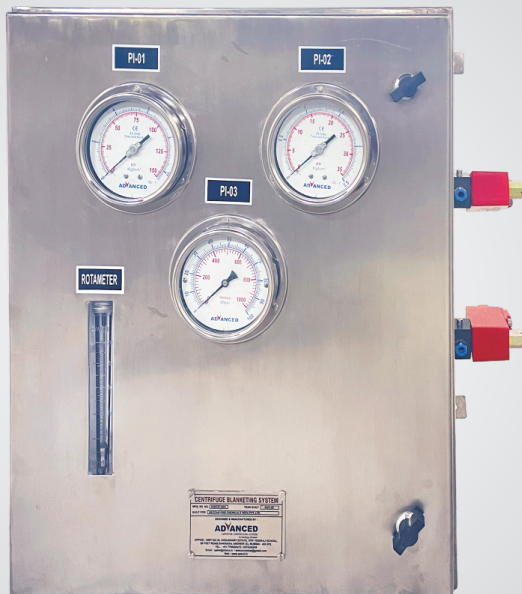


- Gas flow Transmitter for measurement and control of flow of various gas.
- Compatible with various communicating devices like PLC & SCADA.
- Available in Flame Proof & Non Flame Proof body.

MANUAL OPERATED CBS

This is user friendly system where user will operate the purging & blanketing process manually. For purging & blanketing there are two separate isolation ball valves. During the purging process operator will have open one valve for 40-45 secs & once purging is completed, another isolation for blanketing has to be kept open for throughout the process.

TIMER BASED SEMI AUTOMATED CBS



This system operated automatically based on timer which is predefined by manufacturer for which the flameproof PLC or control panel will be provided to operate the purging & blanketing valve smoothly as per requirement. This system also generated the alarms in case low & high pressure, failure of Nitrogen supply, centrifuge lid open.

The most important benefit of this system over manual system will be that loss of N₂ due human error will be zero.

This system requires Single phase AC/DC supply to operate the system.

FULLY AUTOMATED CBS

This is system will be provided with flameproof PLC or relay-based control panel. In this system Oxygen analyzer is used which is going to continuously monitor the O₂ level in basket. User can define the desired setpoint based on requirement. N₂ purging will start by pressing the start button on the panel, If the O₂ level is less than setpoint, system will move into blanketing mode & will allow the machine to run. If the oxygen level gets increased than the desired setpoint than process will be repeated from purging. The system also includes the alarm generation for low & high pressure, N₂ source failure, Lid open, O₂ level high etc.



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WORKSHOP ADDRESS (GUJARAT)

PLOT NO. 50+ 53 P-A/B GIDC INDL. ESTATE, PHASE-1, JUNCTION ROAD - K& C,
NEAR TELEPHONE EXCHANGE, UMBERGAON-396171, DIST.VALSAD (GUJARAT)

WORKSHOP ADDRESS (MUMBAI)

UNIT NO. 16, CHOUDHARY ESTATE, OPP YOGIRAJ SCHOOL, 90FT ROAD,
SAKINAKA ANDHERI MUMBAI 400072.

OFFICE ADDRESS:

B-401, HYDE PARK, SAKI VIHAR ROAD, SAKINAKA, ANDHERI (EAST), MUMBAI 400072.
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WORKSHOPS

UNIT 1: UMBERGAON, GUJARAT

UNIT 2: ANDHERI, MUMBAI

UNIT 3: AUTONAGAR, VIZAG

UNIT 4: CHERLAPALLY, HYDERABAD

SALES OFFICES

MUMBAI

HYDERABAD

VIZAG

UMBERGAON

SALES REPRESENTATIVES

DELHI AND BADDI

AHMEDABAD

CHENNAI AND PUDUCHERRY

BANGALORE

HYDRERBAD AND VIZAG