



Range of Products



Tank Mounting & Accessories

- Fuel Fill Cabinet/Box/Enclosure
- Fuel Fill Valves with Dustcap
- High & Low Level Alarms
- Tank Content Gauges
- Tank Vents with Flame Arrestors
- Tank Level Switches

Specialty Valves

- Overfill Prevention Valve
- Solenoid Valves
- Swing Check/Non Return Valve
- Anti-Siphon Valve
- Free Fall Fire Valves

Systems & Control Modules

- Fuel Management Systems
- Leak Detection System
- Duplex Pump Control Panels

Pump Skids & Accessories

- Fuel Filters & Fuel Strainers
- Duplex Fuel Pumps
- Manual Hand Pumps
- Fuel Flow Meters
- Fuel Hoses, Hose reels & Nozzles

The Energy Systems Division of WeldCut Middle East (WME) keenly involved in supplying the critical components for fuel & chemical storage tanks. The prime focus is on equipment which are related to safety and safe fuel/chemical handling processes. The equipment and components are supplied from reputed brands from around the globe. We strive to provide the best quality equipment and shortest lead time to our clients.

This catalogue is tries to cover our range of products for further details and products which are not listed here you may contact our sales department.

Contact sales our department for all your requirements at, sales@weldcutme.com



WeldCut Middle East FZE

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Fuel Fill Cabinets



Fuel Fill Cabinets are required when fuel tank are located away to a remote distance or locations such as ground floor or basement. In such situation fuel fill cabinets are ideal since these cabinets are packed with features allowing safe and easy filling of tanks.

WeldCut Middle East fabricates fill cabinets to industry standard and as per site requirement. Some details about the fill cabinets are as given below.

Type of fill Cabinets

- 1) Type A : Cabinet for Single Fuel Fill Valve
- 2) Type B : Cabinet for Two Fuel Fill Valves
- 3) Type C : Cabinet for Three Fuel Fill Valves

Material of Construction

- 1) Carbon Steel (Painted or Powder Coated)
- 2) Stainless Steel 304
- 3) Stainless Steel 316

Mounting Type

- 1) Wall Mounted
- 2) Recessed Type/Flushed with wall surface

Standard Features

- 1) View Window/See through Window
- 2) Piano Hinges
- 3) Door stopper
- 4) Door Lock
- 5) Water resistant Door

Optional Features/ Extras

- 1) Lighting & Switching Assembly
- 2) Fill Valve Assembly
- 3) Fuel Contents Gauge
- 4) Capacitance Level Controls
- 5) High Level Alarm Panel
- 6) Gas Strut for Holding Door in position



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Fuel Fill Valves with Dustcap



Fuel Fill Valves are required to control the flow of fuel or liquid to be filled by the Fuel Fill cabinets. These valves are isolation valves and insure the positive shut off of fuel.

The fuel fill valves are required to be accompanied with the camlock coupler and dust cap.

Camlock Couplers insure the easy connection with the local fuel supplier and no leakage during the fuel filling operation. The camlock coupler supplier is made according to international standard and matches with the female coupler on the local fuel supplier's hose.

Dust Caps are required to be placed on camlock coupler in order to prevent the dust to enter inside the fill pipeline. Along with this dust cap also help to prevent dripping of fuel since these come with the rubber seal.

Material for Fill Valves

- 1) Brass
- 2) Bronze
- 3) Stainless Steel

Material for Camlock & Dust Caps

- 1) Brass
- 2) Aluminum
- 3) Stainless Steel

Size of Fuel Fill Valve, Camlock Coupler & Dust Caps

These are available in 1", 2", 2.5", 3", 4" sizes to suit the hose connection of your local fuel supplier.

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High & Low Level Alarms



High & low Level Alarms are most ideal when bulk tanks are located away from the filling location & difficult to access easily. WeldCut Middle East represents **HYTEK, UK** for the high level alarms for all types of tanks. The high level alarm is also equipped with relays to control the external devices or can be sent to control panel

The High Level Alarm panel comes normally with two numbers of probes one for high level and other for low level, an additional probe is also provided in case tank bund leak is to be monitored.

Suitable for Liquids

1. Diesel
2. Biodiesel
3. Water
4. Oils

Product Feature

1. Audible Alarm 80 db (at one meter)
2. Flashing LED (Mains Version Only)
3. Weatherproof Enclosure.
4. Test button to check system status
5. Comes with 3 relay for 3 locations
6. Can be connected to BMS with dry contacts
7. Easy field connection with Plug & socket

Power Options

1. Battery Operated
2. 230 Volt AC
3. 10 Volts AC

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Site Installation: We provide site installation throughout Middle East. Kindly let us know, to serve you better.



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Content Gauges - Electronic



Electronic Content Gauges are most ideal solutions to see the contents of underground tanks or the tanks located in remote location which is difficult to access. WeldCut Middle East represents **HYTEK, UK**. The content gauges are suitable for all types, shapes of tanks and various type of fluids

The content gauge comes with indication of fluid in the tank in either liter or it can also represent level in meter, cm etc. It is already equipped with preset high & low level alarms.

Suitable for Liquids

1. Diesel
2. Biodiesel
3. Oils

Product Feature

Accuracy +/-1% of tank capacity.

Suitable for any shape tank.

Includes 4 -20mA outputs.

Suits tanks 0.6m 3m high & above.

All probes include a 1" BSPT male tank fitting.

Probe cable can be extended to 30m.

Optional Features:

TGE.C2020A with high/low level alarm,

can also have a bund probe or water sensor option.

Choose between bund probe (TGE.BP) or "NEW" water bottom sensor (TGE.WS).

Water bottom sensor requires 15mm of water to activate.

Power Options

4. Battery Operated
5. 230 Volt AC
6. 10 Volts AC

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Tank Vents & Emergency Vents



WeldCut Middle East Represent **Ridart SRL** from Italy for the variety of Pressure Vacuum Vents and Vents with Flame Arrestor. Role of Flame arrestors is vital during the tank filling operation, which protects accidental fire accident due to escaping gas from the tank through flame arrestors. All the products are compliant to EN ISO 16852:2010 & CE

Types of Vents Available

1. Mushroom Vents
2. Atmospheric Vents
3. Vent with Flame Arrestor
4. Emergency Vents

Sizes of Pressure Vacuum Vents Available

1. ¾ Inch
2. 1 Inch
3. 1 1/2 Inch
4. 2 Inch
5. 3 Inch

Material of Construction

1. Anodized Aluminum
2. Cast Iron
3. Brass

Method of Operation

1. Free to atmosphere
2. Spring Loaded
3. Dead Weight Loaded (without Spring)

Pressure Vacuum Ranges

The Pressure Vacuum Vents are available from -10mbar to+80mbar, kindly help us to assist you to choose appropriate model from our range.

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Tank Level Switches



WeldCut Middle East supply a comprehensive range of single and multi-point switches that set the industry standard using the reliable reed switch and magnet principle. We supply level switches to various liquids and temperatures.

Tailor Made Design

We know every tank is unique hence most of our level switches are supplied with proper technical advice at the concept stage and at the procurement stage we support our customer with calibration & detail engineering to deliver the best products.

Various mounting option, materials & options for process connection making us single point source for all your processes.

Suitable for Liquids

1. Diesel
2. Biodiesel
3. Oils
4. Water

Optional Features:

1. Option Available for explosion proof
2. No of Floats: Single point to 6 points Max
3. Mounting Type: Top Mounted/Side Mounted
4. Connection: Threaded/Flanged
5. Float: Buna/Stainless Steel, Polypropylene
6. Type: Rigid/Flexible/suspended type

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Overfill Prevention Valve



WeldCut Middle East Represent **Ridart SRL** from Italy for the Overfill Prevention Valves (OPV), OPV are Ideal solution for the aboveground & belowground tanks for stopping the fuel supply when it reaches to set overfill point/limit.

OPV when installed to the manufacturer's specifications, the OPV can help eliminate hazardous spills. OPV are best solution over electronic high level alarms since OPV gives a positive shut off while alarms may be ignored due to human errors.

Overfill prevention valves are available in various versions as

- 1) Direct Filling Application (comes with camlock coupler)
- 2) Remote Filling application

Types of OPV according to application

- Gravity Fill System OPV
- Pressurized Fill System OPV
- OPV for Underground Tanks
- OPV for Aboveground Tanks
- OPV with single stop
- OPV with double stop

Available size of Overfill Prevention Valves

OPV's are available in 2", 3", 4" to insure to suit various tanks as well as flow rates.

Buyer Notes

Since we are supplier of various types of OPV depending on the application, please contact/email our sales team regarding your specific requirement to suggest you the most suitable OPV for your application.

Installation Support

We also provide technical support for installation of OPV at your workshop.



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Solenoid Valves



Solenoid Valves are electromechanical valves, the operation of valve is based on the energizing of coil fixed on the valve. The valves are generally Normally Open or Normally Closed Type. Based on the type of valve either the valve is closed or opened after energizing the coil.

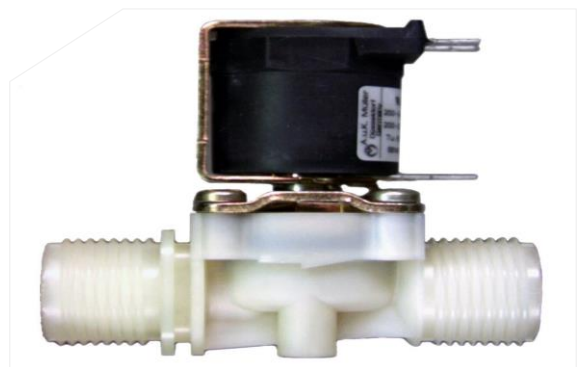
The role of solenoid valve is very critical when flow need to be controlled (opened/stopped) on various supply line which are working on a same header. Solenoid valve are perfect for automatic operation of various systems involving complex operations.

Since solenoid valve operation is based on the electrical coil the valves can be operated remotely with the help of central control panel for the system. The various types of valves to choose from our ranges are depending on the following configuration.

Types of Solenoid Valves based on

- Voltage: 12V, 24V, 110V, 220V etc
- Current: AC, DC
- Operating Pressure: Specify in PSI or Bar
- Size: 0.5", 1", 1.5", 2", 2.5" etc
- Connection: Male thread, Female thread, Swagelok type
- Fluid: Air, gas, liquid
- Body Material: Brass, Stainless Steel, Plastic
- Coil: Explosion Proof, Non Explosion Proof
- Ways: One way, Two way etc
- Position: Normally Open, Normally Closed

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Swing Check/Non Return Valves



Swing Check Valve/Non Return Valves/One Way Valves are the valve which are basically direct the flow of fluid in only one direction in the pipeline/process. These valves are ideal in order to prevent return or backflow of liquid in the pipeline.

The various types of valves to choose from our ranges are depending on the following configuration

Types of Non Return Valves based on

- Operating Pressure: Specify in PSI or Bar
- Size: 1", 1.5", 2", 2.5", 3", 4" etc
- Connection: Threaded, flanged type
- Operation: Disc Type, Pilot Type, Ball Type
- Fluid: Air, gas, liquid
- Body Material: Brass, Stainless Steel, plastic
- Position: Inline Valve, End Location

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Anti-Siphon Valves



WeldCut Middle East Represent **Ridart SRL** from Italy for the Anti-siphon valves, anti-siphon valves are used to help prevent the accidental siphoning of a product from a tank in the event of a leak downstream below the liquid level.

Types of Non Return Valves based on

- Operating Pressure: Specify in PSI or Bar
- Size: 1", 1.5", 2", 2.5", 3", 4" etc
- Connection: Threaded, flanged type
- Operation: Disc Type, Pilot Type, Ball Type
- Fluid: Air, gas, liquid
- Body Material: Brass, Stainless Steel, plastic
- Position: Inline Valve, End Location

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Free Fall Fire Valves



Free Fall Fire valve are best in case of fire in generator or boiler room. Free fall fire valves helps to stop the flow by closing the valve on fuel supply line and thus help seize fire. Alternatively the valve helps further damage to life & property.

Free Fall Fire Valves comes with dead weight, bimetallic strip, string/rope and rope pulley which forms a set. Some features of the free fall fire valve are as under

- Suitable for installation in either horizontal or vertical pipe work.
- Designed to provide a positive, 100% shut off when used as a fuel isolating valve, or opening, when used as a fuel dump valve.
- Standard Free Fall Valve assembly comprises of a valve, lever and weight, together with a fitting kit.
- Standard valves manufactured in either cast or ductile iron to A126 Gr B
- Standard valves are suitable for use with fuel oils at pressures up to 14 bar.
- Valves with screwed connections have BSP parallel threads, whilst flanged valves are available with either BS 4504 PN 16/25 flange drillings or to ANSI standards.
- Size of valves with screwed connections range from 1/2' (15mm) to 3' (80mm)
- Size of flanged valves range from 1/2' (15mm) to 8' (200mm)

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Fuel Management System



Fuel Management Systems are the systems which are capable of monitoring the fuel level in various tanks as well as detects the leak at various locations at your plant. All these things are done by a central monitoring console. The leak or level can be transmitted to BMS or external buzzer.

Ideal Locations

1. For monitoring of Fuel, Water & Chemicals
2. Fuel & Chemical Storage Facilities
3. Hotels, Hospitals, Resorts, Sports Stadiums, Shopping Malls, Commercial & Residential Building, Military Locations

System Components

1. Monitoring Console(optional LED display)
2. Magnetostrictive Probes for Tank Gauging
3. Leak detection probes/Sensors
4. Control cables for probes & sensors

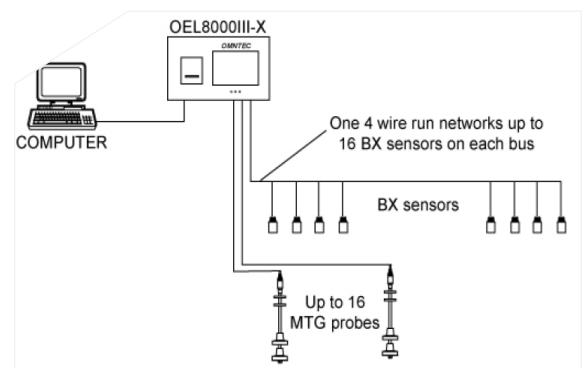
Product Feature

1. All products are complying to CE
2. Optional UL & ATEX approved products

Leak Detection Available for

1. Fuel
2. Water
3. Chemicals

We also provided **Site Installation** services at your facility throughout the Middle East. If you need further support to choose the appropriate product for your process, kindly call or contact our sales representative at contact details given.



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Leak Detection System



WeldCut Middle East supplies worlds' renowned brands in leak detection. The leak detection technologies used by these brands are latest and up to the mark. The leak sensing is done by various types of sensors to suit the specific project requirement & importance of leak detection.

Leak Detection Systems supplied by us keenly monitor the leakage and relays the information to the central or local monitoring console. The leak monitoring console can be connected to external alarm buzzer or BMS systems for remote monitoring.

Ideal Locations

4. IT & CCU Rooms
5. Fuel & Chemical Storage Faculties
6. Double walled Pipes
7. Double Walled Tanks
8. Generator Rooms
9. Pump Rooms

Leak Detection Sensor Types

10. Spot Sensors (optical type/Float type)
11. Cable Type Sensors
12. Product Distinguishing & Non Product Distinguishing

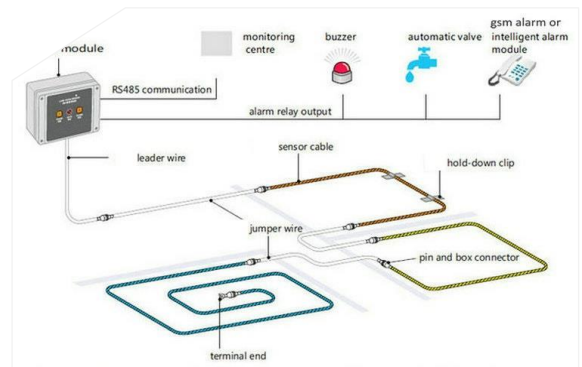
Leak Detection Available for

4. Fuel
5. Water
6. Chemicals

Product Feature

3. All products are complying to CE
4. Optional UL & ATEX approved products

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Duplex Pump Control Panel



WeldCut Middle East designs and supplies the fuel pump control panels to suit to your standard duplex/triplex/quadruplex pump skid configurations. For your specific project configuration we can tailor made fuel pump control panels to include additional controls, instruments, inputs and output.

We help you at the design stage to have most suitable & appropriate configuration for your process control system.

Type of Hardware Used

1. Relays based Control Panel
2. PLC Based Control Panel
3. Redundant PLC Based Control Panel

Standard Features

1. Weatherproof Enclosure
2. Manual & Auto Modes
3. Inbuilt Buzzer
4. Pump Dry run protection
5. Duty Standby alternate operation mode
6. Emergency Stop
7. Dry contact relays for BMS communication
8. Can take inputs from Level switches, External Level Alarm, flow switches, Ultrasonic & Radar Level Transmitters, pressure & level transmitters, fire alarm system, mercury switches etc
9. Can control External equipment & instruments like, solenoid valves, fuel Pumps etc

Site Installation

WeldCut Middle East provides site installation support for the products supplied by us.

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Fuel Flow Meters



Fuel Fill Cabinets are required when fuel tank are located away

Type of fill Cabinets

- 22) Type A : Cabinet for Single Fuel Fill Valve
- 23) Type B : Cabinet for Two Fuel Fill Valves
- 24) Type C : Cabinet for Three Fuel Fill Valves

- 1) Refrigerated Air Dryers
 - a) Regular Refrigerated Air Dryers
 - b) High Pressure Air Dryers
- 2) Desiccant Air Dryers
- 3) Air Filters
 - a) Regular Air Filters
 - b) High Pressure Air Filters
 - c) High Volume Air Filters
- 4) Auto Drain Valve
- 5) Chillers
 - a) Without Tank
 - b) With Tank & Pump

Products Range:

- 1) Semi-Automatic Gas Shielded Metal-Arc Welding Machine
- 2) DC Manual Arc Welding Power Source
- 3) TIG/MMA Arc Welding Power Source
- 4) TIG/MMA Pulse Arc Welding Power Source
- 5) AC/DC Pulse TIG/MMA Square Wave Welding Power Source
- 6) MIG/MAG welding machine
- 7) Automatic Submerged Arc Welding Machine
- 8) Air Plasma Arc Cutting Machine
- 9) Inner Shielded Welding Machine
- 10) Manipulators and welding positioner and rotator



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