



'Synergy Approach' Manufacturing

' Synergy '

Creation of something greater than simply the sum
of its parts

SAM Integrations Pvt. Ltd.

SAM Integrations Pvt. Ltd. undertakes assignments right from

1. Custom based Product development
2. Drawing board level to CAD
3. Tooling Design and Development
4. Manufacturing of the products.

- Our product range has found appreciative markets in the Indian Sub Continents. At the same time, we have been developing & supplying innovative products for the US and European market.



- We manufacture and export variety of Innovative Electro-Mechanical Products .
- We have specially developed a range of Specialty Fuel Gauges especially for the Gen-Set Industry.
- SAM is much more than just your product supplier.....
We are your technology solutions partner in all your product development...

OUR VISION

By 2025, We want to be Partners for
Various Value Added Products
For Engineering & Agriculture
Sector

QUALITY POLICY

We, at SAM Integrations Pvt. Ltd.
are dedicated to deliver
defect-free products,

for our local as well as overseas customers,
on-time, at the best competitive cost.

Always remembering that,
we are here because of
the Customer.

We, are committed to comply with
the requirements of ISO 9001-2015 and
Continually improve the effectiveness
of our QMS.

Vijay Deshpande
CMD



Our Greatest Asset
is the

Customer !

Treat each
Customer as if they
are the

Only One !!

Certificate

Standard ISO 9001:2015

Certificate Registr. No. 85 100 001 08039

Certificate Holder: **SAM Integrations Pvt. Ltd.**
S.No.77/5 & 6, Near Vishnu Malti Industrial Estate,
Shivane, Pune - 411 023, Maharashtra, India.

Scope: Design, Development and Manufacture of Electro-Mechanical Products, such as Fuel Sensors, Liquid Level Sensors, Coolant Heaters, Oil Pumps, LED Lighting Products, Irrigation Automation Products, such as Solenoid operated Valves, pumps and valve Controllers, Pressure Relief Valves (PRV), assemblies for fire protection systems, Injection Moulds, plastic moulded components; catering to engineering, automotive, off highway vehicles and irrigation (agriculture) sectors for domestic and overseas customers.

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

The due date for all future audits is (26.03).

Validity: The certificate is valid from 2020-06-12 until 2023-06-11.



Bangalore, 2020-04-14

Handwritten signature: P. D. Sam 21

The Certification Body of
TUV Rheinland (India) Pvt. Ltd.
27/B, 2nd Cross Road,
Electronic City Phase 1,
Bengaluru - 560 100, India.

Our Core Values

- Innovation
- Humanity
- Leadership

We believe in

- Quality by Design
- Exceeds Customers expectations through Quality and Service
- 100 % Legal Compliance
- Value for money

Best Practices

- 5S, Kaizen, RCA
- Quality by Design
- Customer complaints approach 2 x 2 x 2
- Lean Manufacturing activities
- Gender Diversity
- Rewards and Recognition
- CSR activity
- Ethical Business practices –100 % Legal Compliance
- Involvement of Consultants for
 1. Process improvement
 2. TOC
 3. Internal Finance audits

Awards and Accolades

“Technical Innovation” Award from Cummins India.

“**Best Quality Performance Award**” from KOEL

“**G. S. Parkhe Award for Innovation in Entrepreneurship for 2019**” from MCCA.

We are LPCB approved Manufacturers for Fire Protection Products in (EU)
Bronze Medal from KOEL for ZED Improvements in SAM...



Few of our Valued Customers-final



Enriching Lives



Mahindra



Empowered to excel



Great Solutions in Power



GREAVES
SINCE 1859



sudhir
Powering the Nation



Since 1922

KOHLER



Jain Irrigation Systems Ltd.



POWERICA

A PROMISE FOR POWER

KPIT



Creative
POWER
Solutions



ASHOK LEYLAND



Reliance Jio
Infocomm Limited

BHARAT FORGE



KALYANI



BRIOTA
TRAIN. MONITOR. ASSIST



Fike
UK



RTS
USA



flex
KION
GROUP



FORCE
MOTORS
mtu



ADVANCED SYSTEMS



SIMPLE. RELIABLE.



SATCOP
Our Business is to help your business



ASKA EQUIPMENTS LTD.



SUPERNOVA
GENSETS



EICHER
ENGINES





Corporate Office + Product Assembly

Established in : 1998

Area : 22k Sq.Feet

Location : Shivane Pune



Manufacturing Set Up

Establishment in : 2017

Area : 2 Acres

18k Sq. Feet Build up area

Location : Varve (Off NH4)

The COMBO/ OCTA unit is a consolidation of the following Eight Features.

Variants available with Removable and Fixed Suction

1. Electrical Resistance output.
2. Mechanical Level Indicator.
3. Low Fuel Level Signal (PFC).
4. Mid / High Fuel Signal (PFC).
5. Suction with Strainer.
6. Return.
7. Breather.
8. Dip Stick (Optional).



COMBO UNIT



OCTA UNIT



TANK UNITS - LEAK PROOF UNITS FOR MOBILE APPLICATIONS....

COMBO UNIT - LP



QUADRA UNIT - LP



OCTA UNIT - LP



MINI COMBO UNIT - LP



METALLIC FUEL SENSORS

Customized
Design as per
Tank Shape and
Size

Specially
Designed for
Automotive
Applications

- Available Features**
- 1. Resistance Output
 - 2. Fuel Suction
 - 3. Fuel Return
 - 4. Specially Designed Connector



PENTA UNITS

PRECISE LEVEL MEASUREMENT PRODUCTS
FOR SPECIAL APPLICATIONS..



DOMESTIC AND EXPORT PRODUCTS

FUEL LEVEL SENSORS



FUEL LEVEL SENDERS

FUEL LEVEL SENSORS



CATERING VARIETY OF APPLICATIONS AND CUSTOMISED PRODUCT RANGE...



RANGE OF MECHANICAL FUEL GAUGES

DESIGNED FOR CUMMINS EXPORT...



SMART SENSORS



Model
101V, RS, VRS



Model
301V, RS, VRS

Topology : Capacitance Measurement.

Models : 101-V ; 101-RS ; 101-VRS ; 301-V ; 301-RS ; 301-VRS

INPUTS

1. Nominal Supply Voltage : 12 or 24 V DC
2. Operating Supply Voltage Range : 10 to 60 V DC
3. Power Consumption : Max < 1.0 W (With All Optional Outputs)
4. Reverse Polarity Protection for the Supply Input
(The Unit will not switch On in this mode) : Provided for Infinite Period

OUTPUTS

1. Analogue Output : Voltage 0.5 - 4.5 V DC (as 0 to 100%) or as required up to 5 V DC
2. Digital Output : RS-485 - Modbus RTU (Non Isolated) (Optional)*
3. Resolution : 0.4 % FSD or 1mm
4. Accuracy (Error In Measurement / Non Linearity) : +/- 1 % FSD
5. Repeatability : +/- 0.4 % FSD
6. Thermal Accuracy : +/- 1 % max.
7. Output Short Circuit Protection : Provided.
(Short to Supply +Ve and -Ve) **
8. Indication : Flashing Low and High Level (For all Models)
(Used for Calibration Also)
9. Display (Optional *) : 3 Digit, 7 Segment Display and Bar graph with 8 Segments.
10. Insulation Resistance (Electrode to Housing) : 1 M Ω / 500 VDC.
11. Operating Mode : Continuous.

OPERATING CONDITIONS

1. Working Temperature Range : -10 to +70 Degree C.
2. Protection Class Rating : IP-65

TERMINATIONS

1. Connections : 6 " Long Pigtail with or without Connector
2. No. of Connections/Pins : 3 /4 /6 Pins.
(Depending on the Model and Requirement)
Connector Options : 250 Series, Waterproof, etc..

MECHANICAL

1. ETH (Effective Tank Height) : 200 mm to 1500mm
2. Measurement Range, mm (Measurable Fuel Travel) : ~ ETH - 35 mm
3. Total Length and Mounting : ~ ETH + 50mm X 80 Dia.
1 Inch BSP Threaded Flange.



Model
101V, RS, VRS



Model
301V, RS, VRS

SPECIAL FEATURES

1. On Site Calibration (Teach Mode for 0 and 100 %) Provided. (For the Default Measurement Range)
2. ETH other than Default Size can be Provided on Request.
3. Special Type of Flange (For Mounting) Can be Provided on Request.

Recommendations and Performance

1. Product is to be used only in Liquid Petroleum (i.e. Diesel) Products which retain their aggregative state within the operating temperature range.
 2. The use of a poor-quality fuel may result in Measurement Error.
 3. The Dielectric Constant of the Medium (to be Measured) must be constant.
- Non-Observance of this requirement will increase the Measurement Error.

PRODUCT SELECTION GUIDE (Model and Variants)

1. 101-V : Only Analog Output : 0.5 V to 4.5 V DC.
2. 101-RS : Only Digital Output : RS-485
3. 101-VRS : With both Analog and Digital Outputs.
4. 301-V : Display and Analog Output : 0.5 V to 4.5 V DC.
5. 301-RS : Display and Digital Output : RS-485
6. 301-VRS : With Display, Analog and Digital Outputs

GENSET – COOLANT HEATER RANGE.....

AC , DC COOLANT HEATERS



Engine Coolant Heaters are essential for maintaining the temperature of the diesel for Gensets operating in a cold environment. It provides an easier start thus improving fuel consumption. The fuel temperature is maintained using the Thermosiphon Heaters which pre heat the coolant using the principle of convection thus avoid any unnecessary idling.

FEATURES

- 1) Air vent provided to avoid the possibility of heater element getting burnt because of no coolant in the system.
- 2) Indications Showing HEATER ON and POWER ON
- 3) Electrical cables 2.5 sq.mm flexible is 694 grade. To ensure sufficient amounts of current to pass through it.
- 4) Provided with O - ring and gasket of silicon rubber to ensure perfect locking without leakages through it.
- 5) Thermostats operating temp of 50°C and 60°C in series to ensure extended lifetime of product.
- 6) Protection of Thermostat, Electrical terminals and Plating from Harsh Environment and condensation.

**Available in 4 Variants: 600w 115 v AV , 1200W 230 V AC
1500W 240V AC , 2000W 240V AC
250 W 24V DC**



GENSET ACCESSORIES



DRAIN
PUMP



COOLANT FILLING
CAP EXTERNAL



COOLANT
FILLING CAP
EXTERNAL WITH
FUNNEL



EMERGENCY
SWITCH CAP



EMERGENCY
SWITCH CAP
ASSEMBLY



VTS
ENCLOSURE

GENSET ACCESSORIES

FUEL FILLING
NECK WITH
LOCK AND KEY



FUEL
FILLING
NECK



FUEL
STRAINER



FUEL FILLING
ADAPTOR
WITH STRAINER



FUEL SPOUT WITH LOGO BRANDING



GENSET ACCESSORIES



SUCTION
TUBE



STRAINERS



DIPSTICKS



DOOR RETAINER



PROD



FUEL FILLING CAP
WITH LOCK



HINGES



ACCESSORY PRODUCTS

SUCTION
TUBES



FLOATS



ENCLOSURES



COOLANT LEVEL SWITCHES



The Coolant Level Switch series is a comprehensive range of Vertical Float Level Switches designed using the Reliable Magnet and Reed Switch Principle.

SPECIFICATIONS

- 1) Float Material : Stainless Steel, PU
- 2) Working Voltage: 0~220 V
- 3) Carry current: 0.5A-1A
- 4) Working Temperature: 0~120°C
- 5) Temperature rating(Max): 120°C
- 6) Working Pressure: 1Mpa
- 7) Length: Available from 55 to 300 mm

Extra lengths possible on request.

Multi-Level Sensors can be designed to suit your requirements.

EXPORT PRODUCTS

Fire Protection
Products developed
for FIKE- UK .

LPCB Approved
Factory Setup



CALL
POINT



SD BASE

Products for
Automotive RV
Developed for
RTS - USA



TRAILER
TESTER



TRAILER
EMULATORS

LED PRODUCTS



K1



M1



M1
Disconnect



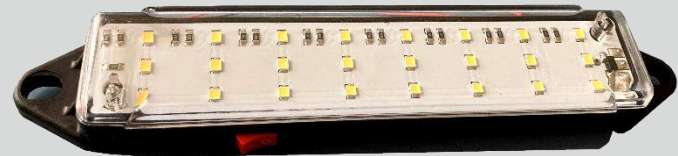
LED
INDICATOR



M1B



E1



L1



OTHER PRODUCTS



FLOATY



3 PIN
CONNECTOR

SPIROMETER FOR LUNGS FUNCTION TESTING... MEDICAL EQUIPMENT



Specifications

1	Power Supply	3.7V Li-Po (Rechargeable Battery- Micro USB)
2	Communication Interface	Bluetooth
3	Dimensions	150 X 125 X60 mm
4	Flow Range	0 to ± 16 l/s
5	Maximum Volume	0 to ± 12 l
6	Volume Accuracy	$\pm 2\%$ or 0.050 l
7	Flow Accuracy	$\pm 2\%$ or 0.020 l/s
8	Transducer	BI – Directional Turbine Cartridge
9	Turbine Sensor	Infrared Interruption
10	Flow Detection	Volume Differential

IRRIGATION AUTOMATION VALVES

- SAM's 2-Way Pilot Controlled, hydraulically operated, diaphragm actuated On-Off valve
- Sturdy, high-quality engineering Polymers.
- Specially designed to suit Indian conditions with wide operating Voltage range.
- Superb hydraulic performance with very High Kv. factor Low pressure loss.
- Chemical and cavitation resistant with high durability.
- Pressure Rating: 10 bar.
- Operating Pressure Range: 0.7-10 bar.
- Supply Voltage : 20 to 28 V-AC, 50/60 Hz
- The special Solenoid based Pilot Unit is specially designed to suit Indian Conditions
- Very low Power consumption –
Up to 10 W - (Run time for initial 10 Sec) and
Further less than 2.5 W for full time.



2 1/2 " Valve



IRRIGATION AUTOMATION VALVES

SAM 2501-SV



2" Valve



1" Valve



PRESSURE RELIEF VALVE – (PRV)

2 ½ inches



2 inches

MECH VERTICAL TYPE PRV



2 inches



PRESSURE RELIEF VALVES

MATERIALS USED

- Body, Cover : 30% Glass Filled Nylon
- Diaphragm: NR with Nylon fabric reinforced.
- Seal : Natural Rubber
- Spring : Stainless Steel
- Cover Bolts : Stainless Steel
- Tubing and Fittings : Plastic
- Solenoid unit : Special Solenoid with Control unit
- Weather resistant, encapsulated design
- Pressure Gauge sold as an accessory

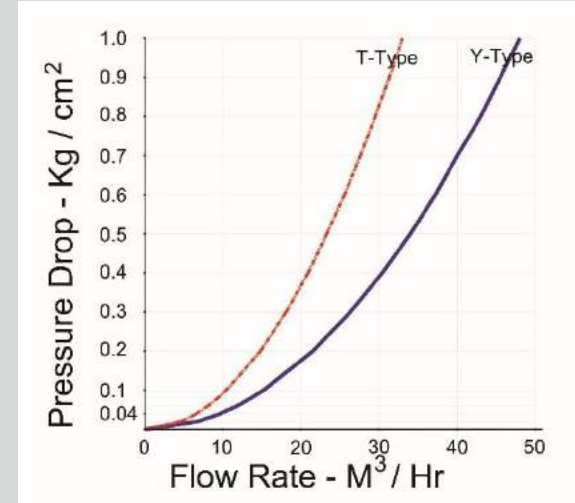
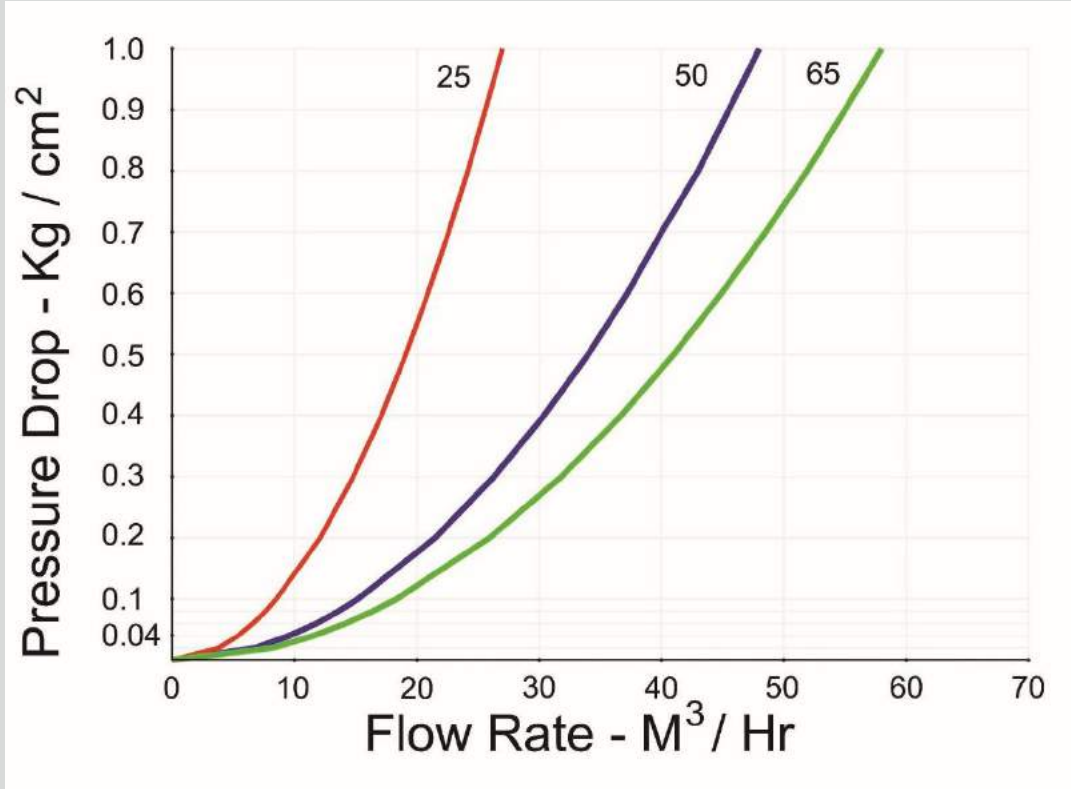


2 1/2 " Valve



MECHANICAL
TYPE
ECO PRV

FLOW vs. PRESSURE DROP



AIR VALVES AND CONTROLLERS



AIR VALVE



IRRIGATION CONTROLLER



DISC AND SCREEN FILTERS



AWARDS



“ G.S. Parkhe Award for Innovation in Entrepreneurship for 2019” from MCCIA.

We have received -

“**Technical Innovation**”Award from Cummins India.

” **Best Quality Performance Award**” from KOEL (2012)

Bronze Medal for ZED Development



Contact Us

New Product Design & Development

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Existing Product Enquiry

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*Thank
You*