

Архангельск (8182)63-90-72
 Астана (7172)727-132
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Иваново (4932)77-34-06

Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Липецк (4742)52-20-81
 Киргизия (996)312-96-26-47

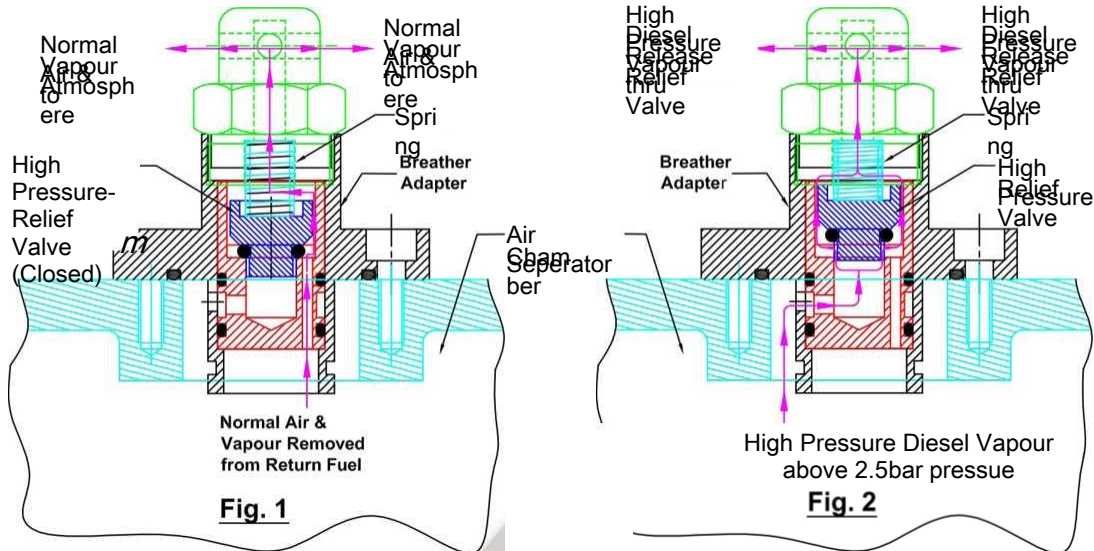
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 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Казахстан (772)734-952-31

Пермь (342)205-81-47
 Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35
 Тверь (4822)63-31-35
 Томск (3822)98-41-53
 Тула (4872)74-02-29
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Ярославль (4852)69-52-93

<https://fluidyne.nt-rt.ru> || fdu@nt-rt.ru

КАТАЛОГ



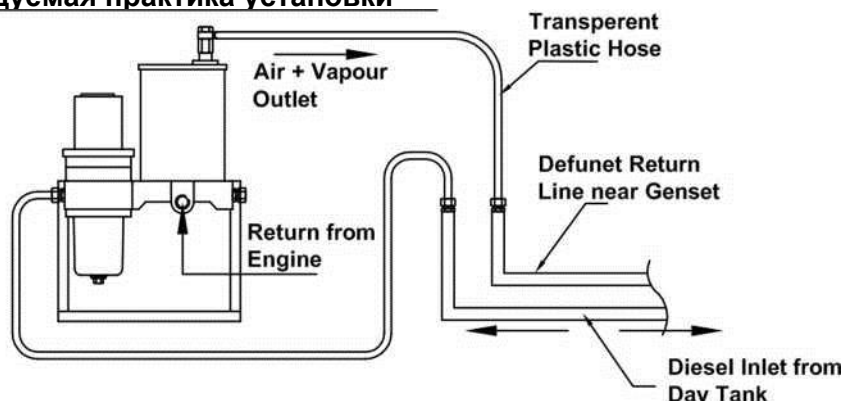
Normal Air & Vapour Release: Fig. 1.

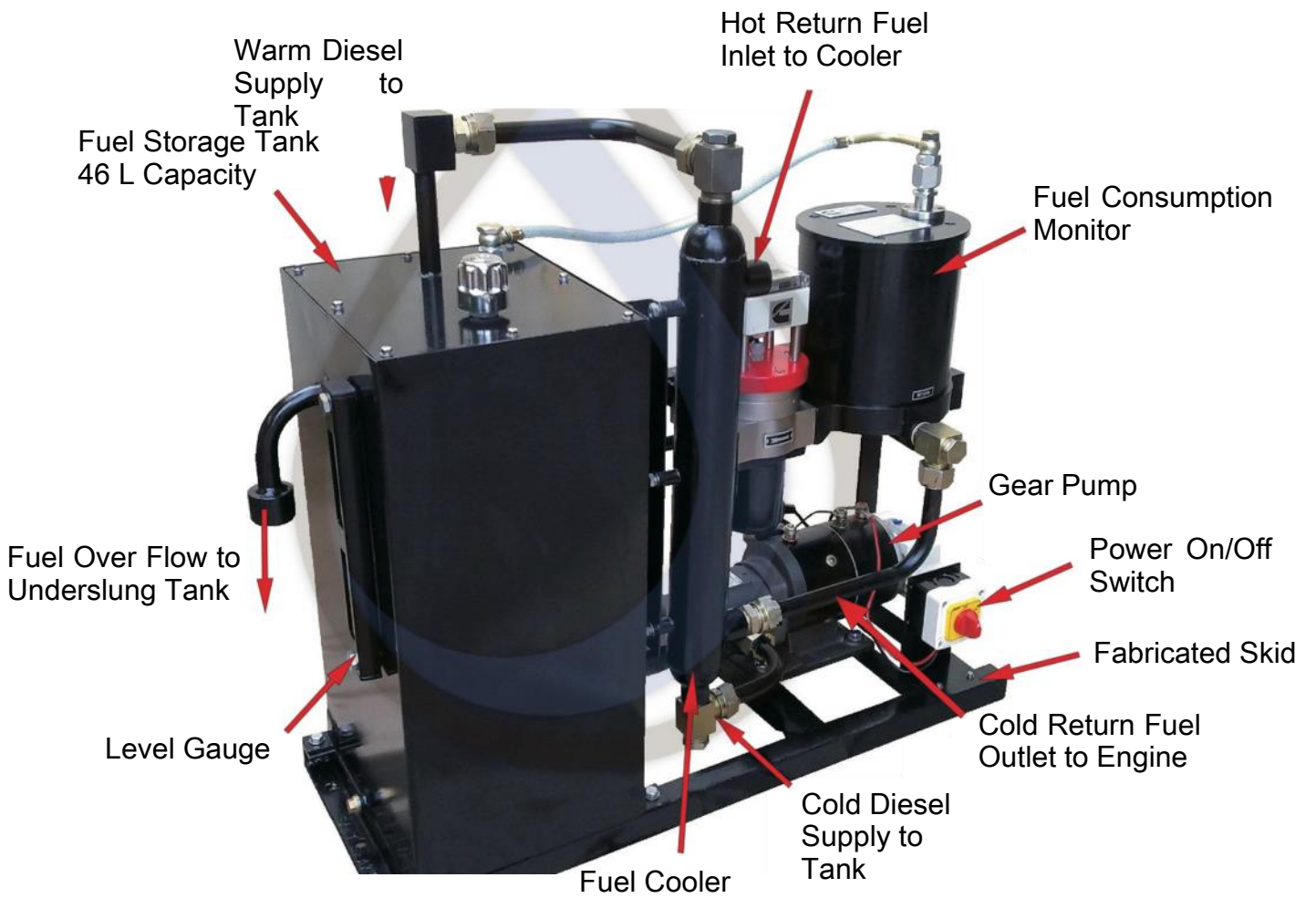
Когда двигатель работает нормально, воздух и пар, поступающие в камеру разделения воздуха, удаляются и выпускаются поплавковым механизмом непрерывно, как показано на рис. 1. Ожидается небольшое смачивание воздуховыпускного отверстия из-за выделения пара. Если наблюдается постоянная утечка дизельного топлива из воздуховыпускного устройства, поплавковый механизм неисправен и его следует немедленно отремонтировать.

Выпуск воздуха и пара под высоким давлением: Рис. 2.

Во время определенных условий низкой нагрузки или внезапного изменения нагрузки наблюдается переходный процесс высокого давления в возвратной линии. При отсутствии на FCM этот переходный процесс безвредно устраняется в накопительном баке, к которому подсоединена обратная линия. Однако в присутствии FCM эта тенденция передается в камеру воздушного сепаратора, что может вызвать серьезные повреждения, такие как раздавливание поплавка SS и иногда разрыв корпуса воздушного сепаратора. Для защиты воздухоотделителя от такого случая в сапунном узле предусмотрен подпружиненный предохранительный клапан, как показано на рис. Когда давление в воздушном сепараторе превышает 2,5 бар, предохранительный клапан на мгновение открывается и сбрасывает высокое давление в виде струи жидкого дизельного топлива. Это нормальное явление, и его не следует принимать за неисправность FCM. Количество выброшенного дизельного топлива незначительно. Это явление встречается очень редко. Однако, если такое случается часто, рекомендуется подключить сапун в сборе к резервуару для хранения через гибкий шланг, чтобы предотвратить разлив дизельного топлива на пол.

Рекомендуемая практика установки





Value through
continuous innovation



Solutions in Liquid Flow Measurement



Value through



continuous

ous innovation

Знание отраслевых потребностей и стремление к инновациям "просто резюмируют нашу миссию.

Большинство продуктов, которые мы продаем сегодня, уникально разработаны для удовлетворения конкретных потребностей приложений. Неустанные усилия по обеспечению ценности за счет инноваций, разработки продуктов на основе отзывов о производительности и соответствие высочайшим стандартам качества принесло нам несравненную репутацию.

Fluidyne - мечта технократов, посвятивших свою карьеру созданию решений для точного промышленного измерения расхода жидкостей. Наша страсть к созданию «ценности за счет непрерывных инноваций» отражается в наших продуктах, которые сами по себе предлагают комплексные решения. Наши решения, разработанные и изготовленные для точного соответствия отраслевым потребностям основных приложений, имеют определенное преимущество, когда речь идет о точном измерении расхода жидкости в широком спектре отраслей промышленности.

support

O 20 successful years of serving both national and international customers
O Specialized in conservation of industrial fuels
O A modern and state-of-the-art production infrastructure
O Capable R&D team
O Professional approach to quality manufacturing
O Timely customer



Passion to Deliver

The goal of the company goes much beyond providing a mere industrial flowmeter. Providing application specific solutions to satisfy needs in diverse industrial sectors is the real goal sought after. Application success many a time calls for in-depth knowledge in mechanical, hydraulic and pneumatic engineering, automation techniques, embedded electronics, software solutions and data communication which is reflected in each of the company's products.

Our Strength

Use of proven well researched technology forms the base for every product. Acquiring through application knowledge before every single product sale ensures product success and customer satisfaction. Providing timely customer support to ensure product performance, exhaustive user documentation, and onsite calibration services is our recipe for achieving total customer satisfaction.

We Believe

Repeat customer business is a true measure of product quality and its success in today's globalized market environment. Appreciation and good will generated with repeat business is the true capital to sustain our market position and realize our growth plans.

P.D. Flowmeters



SS Flowmeter + FLP Indicator



Aluminum Flowmeter + Self Powered Indicator

PVC Plastic Flowmeter



+ Pulse Transmitter

Features

Wide operating flow range 3 - 24000 LPH
 Accuracy +/- 0.5% of reading Aluminium,
 Stainless Steel & PVC construction Operation
 up to 150°C temperature Flameproof and
 weatherproof electronic enclosure
 Built in high capacity filters
 Self powered display modules available

P.D. Flow Transmitters



Flowmeter+ Analogue/
 Frequency Transmitter



Flowmeter+ RS485
 Serial Com Transmitter

Features

- Wide operating flow range 3 - 24000 LPH
- Accuracy +/- 0.5% of reading
- Calibrated pulse output 10 / 100 pulses / litre
- 4 - 20 mA analogue output programmable
- RS485 MODBUS serial output
- Built in high capacity Filter.



Genset Fuel Consumption Monitors

Features



FCM for Low HP Engines

FCM For Cummins PT Based Engines

Directly measures net engine fuel consumption Accuracy +/- 0.5% of reading
 Suits engines of 15 - 3500 HP capacity
 Suitable models for any engine make
 Electronic displays with RS485 serial output
 Suits Diesel / Kerosene / LDO fuels Display of online efficiency KWhr/ Litre

- Accurate measurement for unloading tankers and barrels
- Accuracy +/- 0.5% of reading . Suitable for gravity or pressurized decanting
- Built in high capacity filter and air separator
- Flameproof electricals for tank farm use
- Large numeral displays for easy viewing
- Rs485 serial output to PLC's or PC's



Genset Energy, Fuel & Efficiency Monitor

Fuel & Solvent Unloading Systems



Features



Tanker Unloading System

Dispensing Systems for Automotive Industry



Evac & Fill Dispenser Tank

Standard Dispenser + Buffer Tank



Used Oil Collection & Filtration System

Features

- Suitable for dispensing lubes, fuels, coolants, trans fluids
- Accuracy +/- 0.01 litres / batch
- Cp/Cpk > 1.66
- Evacuation based systems for brake oil / clutch oil / P.S. Oil
- Zero drip pneumatically actuated nozzles
- Combined used oil filtration and dispensing systems
- Barcode scanners, label printers, ethernet connectivity options available

U

Diesel Dispensing & Preset Batching Systems



Diesel Dispenser

Mobile Diesel Dispenser

Features

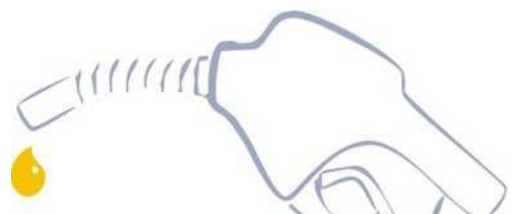
Inhouse and mobile dispensing of diesel fuel
 Accuracy +/- 0.5% of reading Large numeral LCD self powered display Suitable for mounting on tankers, bouzers and refuelers
 AC 440V or DC 24V pump operation Built in Filters, Hose and Nozzle Flameproof Batch



FCM For Low HP

Transmission Unit

Preset Batching System



Liquid Filling Machines



Chemical Container Filling System

Shock Absorber Tube Filling Machine



Front Fork Filling Machine

Features

Accurate filling of shock absorber tubes and Front Forks

Model to suit filling of 1.0 - 35 litre chemical containers

Accuracy of filling +/-1.0 MI or 5.0 MI per batch

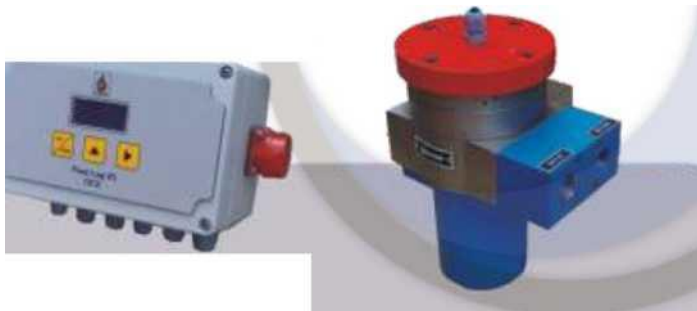
Cp / Cpk >. 1.66

Zero drip dispensing nozzle

Built in SS storage tank with pump

Choice of absolute filtration up to 3.0 micron

Mobile Fuel Monitoring Systems



Data Collection Unit

FCM For Medium HP Engines

- Suitable for transport vehicles, mining and construction machines
- Accurate measurement of fuel consumed and distance traveled
- Measurement of fuel filled and lat / long position
- Data logging in real time

Features

- Manual data transmission to site PC
- Wireless data transmission through GSM network to remote server
- Data storage in non editable data base.



FCM For Low HP Engines

Data Transmission Unit

Product Installations



Diesel Dispensing Tractor
Assembly M&M Ltd., Rudrapur



Ethylene Oxide Reactor Charging
Dimple Chemicals, Pune



Fuel Metering System on Bouzer Ashok Leyland
Chasis Export to South America



15 KVA Genset Fuel Monitor Accuracy Validation
KOEL, Pune



Engine Oil Dispenser Eagle Engine Assembly
Line M&M Ltd., Igatpuri
Railway Power Car Fuel Monitoring



Fuel Monitoring of Volvo Dumper
HCC Vizag Project
Oil Flow Transmitter
M&M Ltd., Mumbai



Tikiapara Loco Shed, Kolkata





Furnace Oil Measurement
J. G. Chemicals, Kolkata



Sulphuric Acid Measurement
Grauer & Weil Ltd., Vapi



Fuel Monitoring of Railway Traction Engine
South Eastern Railway, Hyderabad



Genset Fuel Monitor
Cummins 1500 KVA
Vodafone, Varanasi



Mobile Diesel Refueling India Cements,
Dalavoi



Chemical Container
Filling Grauer & Weil Ltd.
Himachal Pradesh



Genset Efficiency Monitoring
HLL Urai, M.P.



Test Bed Fuel Monitoring
Cummins India Ltd., Pune



Series 6680 : Portable Engine Fuel Consumption Monitoring Testkit.



Introduction

Fluidyne Series 6680 Portable Fuel Monitoring Kits offer a very convenient and accurate method of measuring diesel engine fuel consumption in actual working condition of engine driven machinery. Compact design, custom built, sturdy carrying case, and user friendly operation are highlights of the product.

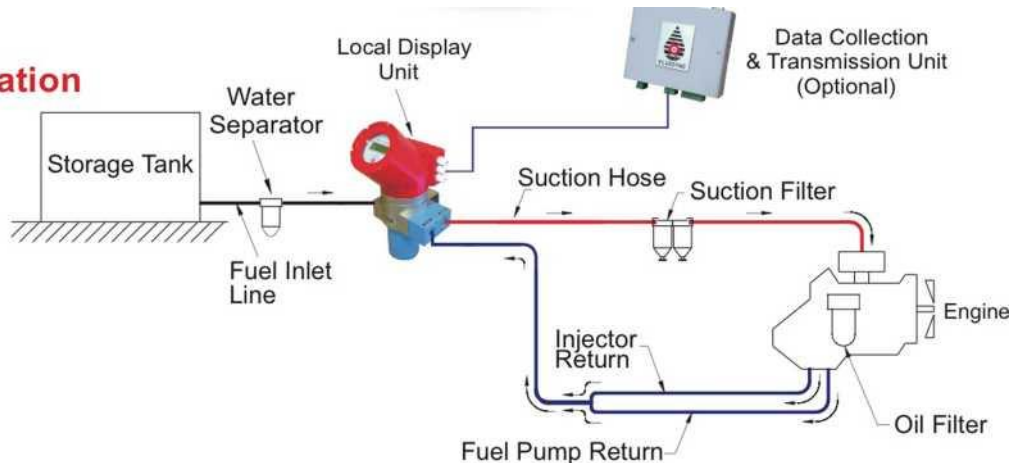
Features

- Suits Engine capacity range for 15 -1500 HP.
- Guaranteed accuracy of +/-0.5% of reading.
- Provides net engine fuel consumption.
- Suitable for all makes of fuel injected engines.
- Available in two ranges 15-150 HP & 50 - 500HP.
- Precision positive displacement flow sensor.
- Convenient package in sturdy Aluminium carrying case.
- Testkit includes routine spare, fittings and tools.
- Accuracy traceable to National Standards.
- Choice of Display Unit or Remote Data Transmission.
- Lightweight and most suitable for onsite use.

Specifications

Measurement Range	15-150HP Engine - 3-30LHP consumption. 50-1500HP Engine - 12-1500LHP fuel consumption +/- 0.5% of reading.
Accuracy	+/-0.1% of reading
Repeatability	Diesel Fuel
Service	a) Fuel Consumption in Litres LC-0.01 litres
Display Parameters	b) Engine Run Hrs. LC - 0.01 Hrs.
Data Transmission (Optional)	a) Date (Engine Start / Stop)
Parameters (Optional)	b) Time (Engine Start / Stop)
	c) Fuel consumed in litres
	d) Engine Runtime in Hrs.
	Through GSM Network available onsite
Data Transmission (Optional)	12/24V DC from Engine Cranking Battery
Power Supply Carrying	a) 15-150 HP Engines - 450X325X175 - 6.0 Kg.
Case Dimension & approx Weight	b) 50-1500 HP Engine - 430X410X250 - 8.5 Kg.
Spares Including in Kit	a) Filter Element
	b) Hose Fittings

Installation





Series 6601 : P. D. Flow Transmitters

For Automation with PLCs / SCADA Systems / Industrial PC



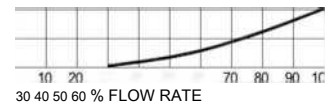
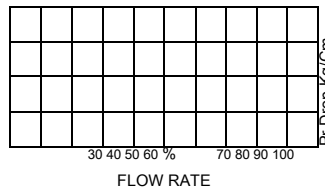
Specifications

Size : DN 06/ 15 / 20 / 25 / 40 / 50 / 80 :
 Flow Range Accuracy : 0.6 - 24000 LPH : $\pm 0.5\%$ of reading :
 Repeatability Operating : $\pm 0.1\%$ of reading : 10 Kg / cm² Max.
 Pressure Operating : 150°C
 Temperature Filter Mesh : 150 micron SS Mesh Reusable Type
 Size Analogue Output : 4 - 20 mA : a) 10 Pulse / Litre b) 1
 Frequency Output : Pulse / Litre
 Serial Data Output : RS485 / MODBUS RTU / ASCII : a)
 Power Supply : AC 230V 50 Hz b) 24V DC

Introduction TYPICAL ACCURACY CHARACRERISTICS

Fluidyne Flow Transmitters provide ideal flow measurement solution when precision flow sensors are required to be interfaced with Industrial control and automation systems. A choice of analogue, frequency and serial data outputs provides all the variety required for any application in the Industry.

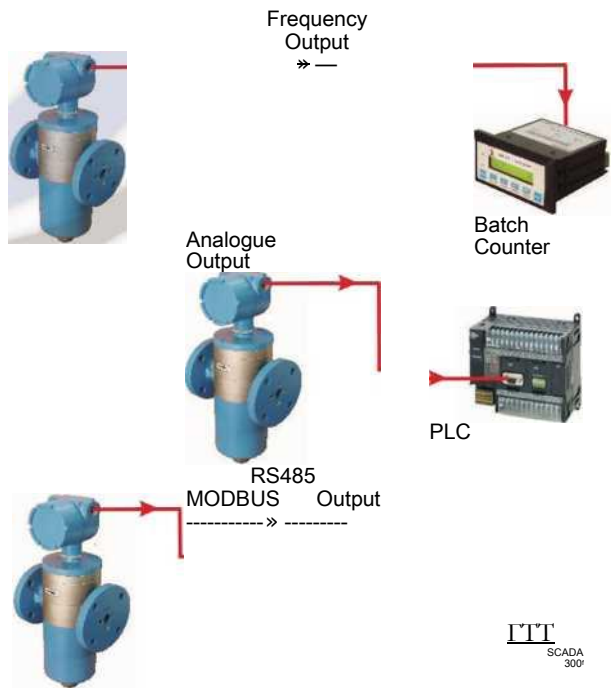
TYPICAL PRES. DROP CHARACRERISTICS Test Fluid : Diesel



Features

- Precision Positive Displacement Flow Sensor
- Wide operating flow range
- Guaranteed accuracy of $\pm 0.5\%$ of reading.
- Low Pressure drop allows gravity head operation
- Max. operating temp 150°C
- Flame proof and Weather proof Transmitter Enclosure
- Built in high capacity wire mesh filter
- Calibrated Pulse Output
- 4-20mA Analogue Output
- RS485 / MODBUS Serial Data Output
- Stainless Steel & Plastic builds to suit corrosive liquids

Applications



Size Vs Flowrange Table

Flowmeter Size NB	Operating Flow Range LPH
Dn06	3-60
DN15	60-600
DN20	150-1500
DN25	240-2400
DN40	600-6000
DN50	1200-12000
DN80	2400-24000

ITT
SCADA
300P
SCADA



Series 6630 : Genset Electrical Parameter And Efficiency Monitoring System

Measurement of Electrical Parameters / Fuel Consumption / Efficiency & Working Hrs.



Specifications

Display	LCD, 4 rows, 4 digits Lowest 8 digit for Energy / Fuel / Hrs. Bar graph representation of current.
Input Type	a) 3 3/4 wire, 2 3wire, 1 2 wire b) Pulse input from Fuel Consumption Monitor 19 to 519V AC (phase to phase) 50/60 Hz
Input Voltage	11 to 300V AC (phase to phase) 50/60 Hz 1A / 5A
Input Current Resolution	Max (External CT for current more than 5A) For Energy - 0.01K, 0.1K, 1K, 0.01M, 1M, 10M (Depending on CT ratio PT ratio) For Power, Voltage, Current - Auto Resolution For Power Factor - 0.001 For Fuel Consumption - 0.1 litre For Engine Run Time - 1.0 minutes For Efficiency - 0.01 kwh/lit.
Measuring Parameters	Voltage (P-P/P-N) (Individual / Average) Current (I1, I2, I3) (Individual / Average) Frequency Power Factor (Individual / Average) Active, Reactive, Apparent Power (Individual / Total) Active, Reactive, Apparent Energy (Total) Fuel Consumed (Total) Run Time Hrs (Total) Efficiency (Instantaneous) a) 3 3/4 wire, 2 3wire, 1 2 wire b) Pulse input from Fuel Consumption Monitor
Accuracy	Voltage (L-N / L-L), Current = 0.5% of FS Power Factor - 0.01% PF Frequency - 0.1% For V>20V L-N V>25V L-L

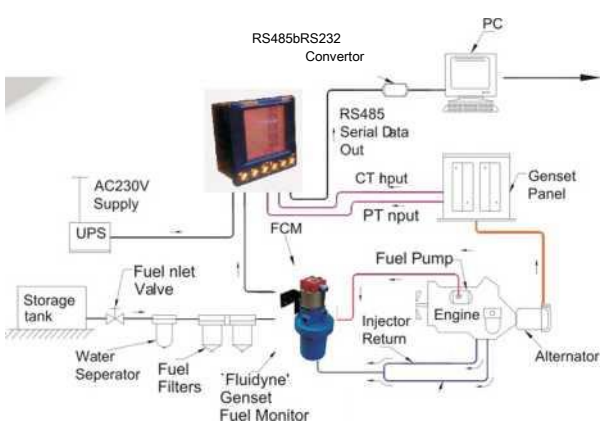
Introduction

The Series 6630 is a unique concept which has combined all electrical parameters of power generation with flow measurement of fuel consumed in one single instrument. Additionally it also displays the online efficiency of the genset in kwhr/litres which is the ratio of units produced per litre diesel consumed.

Features

- Measures all electrical parameters (V, I, f, P, F, KW, KVA, KVAR, Kwh)
- Measures fuel consumed in litres
- Measures Engine Run Hrs in Hrs & Mins
- Measures genset efficiency Units/litre (kwh/litre)
- Large LCD back light display for easy viewing
- Compact size 96 96 suitable for any panel size
- Programmable CT / PT ratio
- RS 485 MODBUS communication output

Power (KW, KVA, KVAR) Class 1
 - Active Energy Reactive Class 1
 Energy Apparent Energy Class 1
 Fuel Class 1
 Run Time **==0.5% of reading**
 CT Secondary Programmable between 1A-5A CT Primary
 Programmable between 1A/5A to 10000 A PT Primary
 Programmable between 100V to 5000V PT Secondary 100V - 500V AC (Phase to Phase)
 Fuel Consumption Monitor - Model LHP for 5HP to 150HP engines
 Model MHP for 50HP -1500HP Fuel injected engines
 Model HHP for 50HP -1500HP Cummins engines





Series 6635 : P. D. Flowmeter

For very high accuracy measurements of Diesel / Petrol / Kerosene / Solvents With Large Numerical Mechanical Counter

Specifications



Type	Positive displacement Rotary Vane. 40NB.	
Size	35-350 LPM	
Flow Range	Veeder Root 7887 Large Numeral	
Counter	±0.1% of reading Better than ±0.02%.	
Accuracy	10% -100% of max. flow range.	
Repeatability	10 kg/cm2.	
Rangeability	30° C-70° C.	
Max. Working Pressure	150 micron SS reusable.	
Operating Temp. Range	Float activated pilot operated.	
Filter Element	Meter body	- Cast Iron
Air Eliminator	Strainer A/E	- Carbon steel
Material of construction	Vanes	- MorganiteCarbon CY10C
	Seals	- Nitrile
	Rotor	-Aluminium
	Float	- SS 3 16

4 Holes 0 M12 Tapping

Introduction

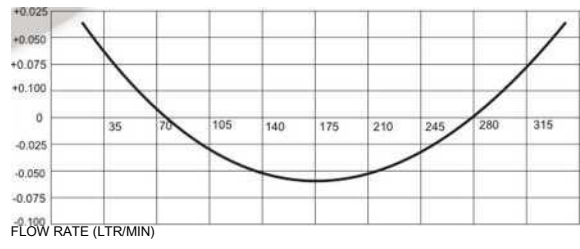
The Series 6635 flowmeter is a very high precision high accuracy flowmeter specially designed for metering expensive fuels and solvents. Due to a consistent accuracy of ±0.1% of reading this meter can be used for custody transfer applications. It is an ideal solution for unloading fuels such as diesel, petrol, kerosene and all types of solvents.

Features

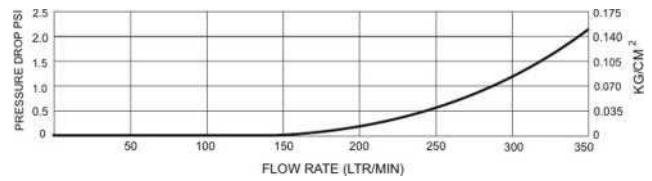
- High Accuracy ±0.1% of reading.
- High repeatability ±0.02% of reading.
- Stepless calibration adjustment.
- Wear compensating vane design.
- Large numeral counter for easy readability.
- Very low pressure prop.
- Fully mechanical system safe for hazardous area use.
- Pulse output for remote monitoring optional.

550.0

Flow Rate Vs Accuracy
Test Liquid : Diesel



Flow Rate Vs Accuracy
Test Liquid : Diesel





FLUIDYNE

Series 6692 : Mobile Fuel Monitoring System

For Construction / Mining / Transportation Industry
 Installation on Excavators / Tippers / Cranes / Hyva / Loaders / Dumpers
 Serial Communication Output to Vehicle Tracking/ECU/Automation Systems



Fuel Flow Sensor



Serial Data Transmitter

Measured Parameters

- Fuel Consumed in Litres
- Engine Working Hrs.

Choice of Fuel Flow Sensor

- 6640 For High Pressure Fuel Injected Engines of all makes Capacity 15 -180 HP



- 6650 For High Pressure Fuel Injected Engines all makes Capacity 100 - 1500 HP



- 6622 For Cummins PT Fuel System based Engines Capacity 50- 2000 HP



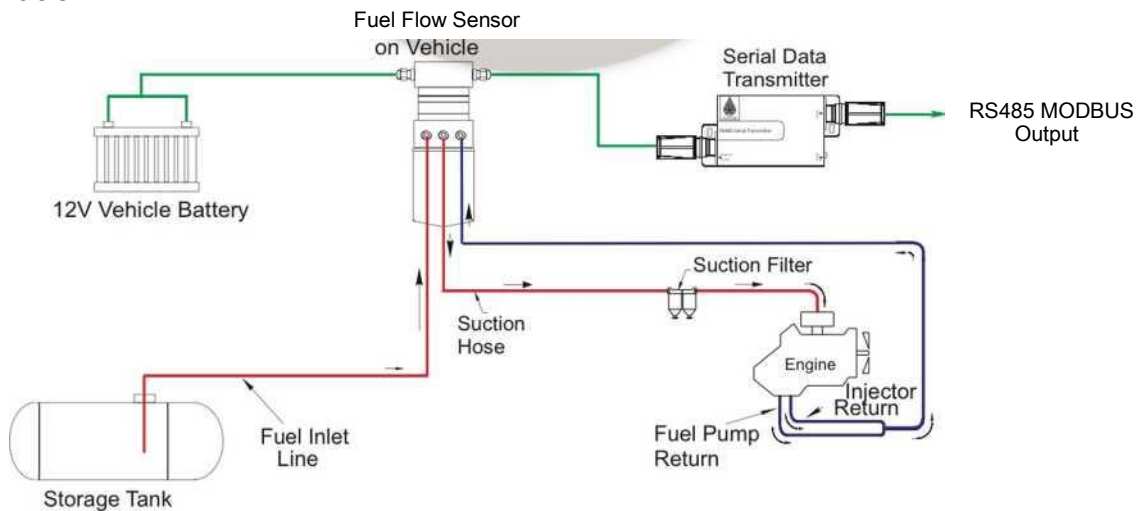
Introduction

The Series 6690 Fuel Monitoring System is a unique innovative product specially designed to provide accurate highly reliable information on complete fuel Consumption and run hrs. of diesel driven machinery. The system offers an excellent solution to monitor fuel misuse, pilferage, low utilization of machines and low operating efficiency of diesel driven machinery.

Features

- Accurately measures and logs net fuel consumed
- Measures and logs engine Run Hrs.
- Data transfer thro RS485 Serial MODBUS Communication Output.
- 12 V DC operation on engine cranking battery.
- Choice of fuel sensor to suit all types of Engines.
- Direct transmission of data from vehicle to on board Automation System.

Installation





Series 6730 : Preset Batching System

For Batch Production with Chemicals / Solvents / Fuels / Lubricants

Specifications



FLP Batch Controller

Control Valve

Flow Sensor

Flow Range	: 1" size - 2400 LPH Max. 1V size - 6000 LPH Max.
	2" size - 12000 LPH Max. Batching Accuracy :±0.5% of reading Flowmeter
	: Fluidyne Make Rotary Piston Type Material of Construction : Wetted Part - SS316 Rotary Piston - Peek
ON/OFF Valve	Filter Element : 150 Micron Seals built in.
	:1) Pneumatically Actuated - 1 " /IV /2" size Valve - Audco Ball Valve Threaded/ANSI 150 flanged
	Actuator - Avcon / Crane Double or Single Acting
	2) Electrically actuated make - Avcon pilot operated diaphragm Coil SS constructed.
Batch Controller	Voltage : Make Type Display - AC 230V / DC 24V
	- Fluidyne - Micro controller Based - 8x2 Dot matrix LCD back light display
	- Preset Batch Qty - Litre Delivered Batch Qty. - Liter Cumulative Totaliser - Litre Instantaneous Flow Rate - LPH
Relay Output Enclosure	-2 Nos. 1/CO - a) Weather Proof to IP 54 b) Flame Proof / Weather Proof to IS 2148 1981 1981 suitable for GrIIA& Gr MB area. Weather Proof to IP65.

Introduction

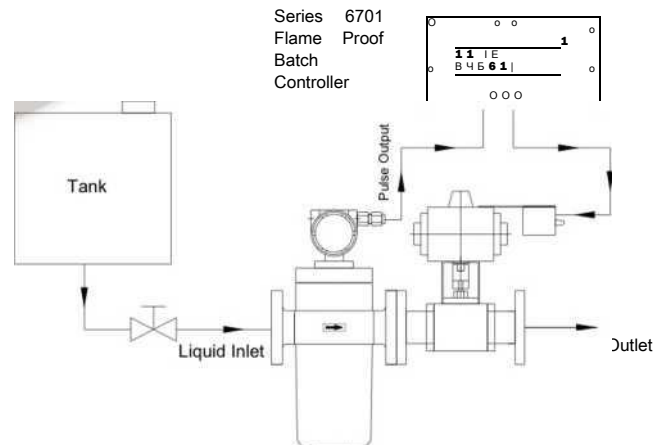
The Series 6730 Batching System is designed for dispensing exact preset quantities of liquids to reactors, storage tanks, batch reactor vessels etc. Choice of pneumatically or electrically activated ON/OFF valves and weather proof or flame proof batch controller makes the system ideal for liquid batching application where automatic cut off action coupled with high accuracy is essential.

Features

- Stainless steel AISI 316 / Teflon wetted parts.
- High accuracy positive displacement flowmeter.
- Pneumatic / Electrically operated on/off valves.
- Weather Proof Batch Controller for non hazardous areas.
- Flame Proof and Weather Proof batch controller for hazardous areas.
- Batching accuracy better than ±0.5% of reading.
- Remote mounting of batch controller possible.
- Diagnostic alarm for empty pipe line condition.

Installation

AC 230V
50Hz
Supply





Series 6740 : Oil Dispensing Machines

For The Shock Absorber Manufacturing Industry.



Front Fork Filling Machine
One Single Oil Dual
Channel



Shock Tube Filling Machine
Two Different Oils
Dual Channel

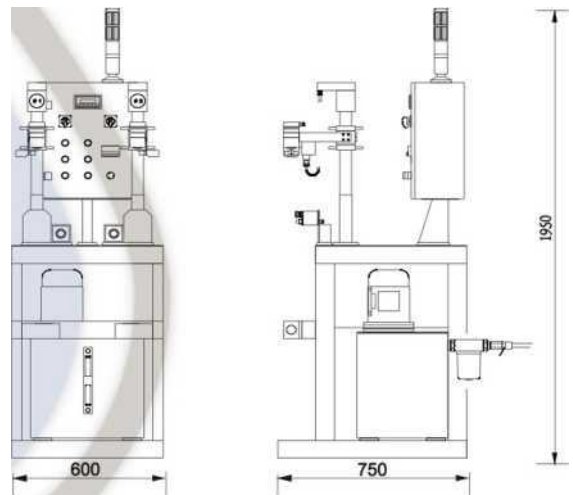
Specifications

Dispensing Flowrate : 2000 ml/min. / 4000 ml/min : 5
 Quantity Setting Range - 500 ml : 1.0 ml/2.0 ml : ± 1.0
 Least Count Accuracy ml / ± 2.0 ml per batch : > 1.66
 Cp/Cpk : Built in, 100 Litre capacity : 25
 Oil Storage Tank Filtration micron built in : Up to 100 possible :
 Preprogrammed Batches 'Set quantity with model identity
 Display Parameters 'Delivered quantity with auto zero
 'Number of tubes filled 'Total litres of
 oil filled : 600 mm X 600 mm : 3
 Phase 415V AC, $\pm 10\%$, 50 Hz : 4
 Kg/cm with Instrument air : 'Hi / Lo
 Oil pressure *Lo Oil level *Lo Air
 pressure *No Oil filled in tube

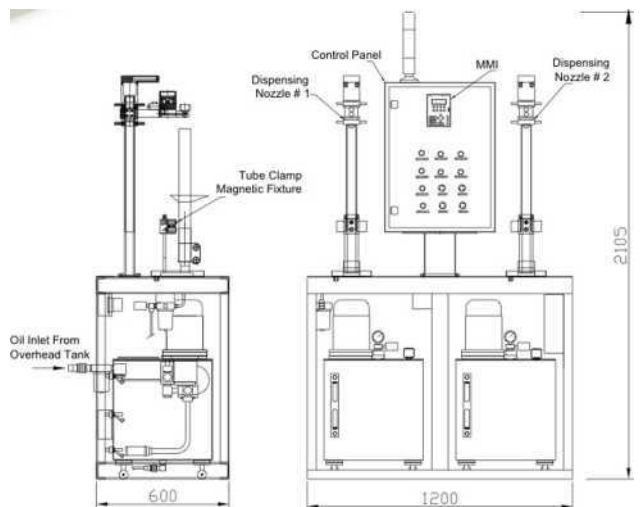
Floor Space Required
 Power Supply
 Pneumatic Supply
 Diagnostic Alarms

Dimensions

Front Fork Filling Machine



Shock Tube Filling Machine



Introduction

Oil filling in shock absorber tubes and front fork typically requires a filling accuracy of ± 1.0 ml for precise control of the shock performance. Fluidyne Oil Dispensing System apart from providing a long term guaranteed accuracy of ± 1.0 ml also provide a Process Capability Cp/Cpk > 1.66 , a concept introduced for the first time in the industry. The system provides a very high rate of production coupled with split second flexibility of changing the set quantity which is a big advantage over conventional filling techniques. The substantial degree of automation used provides a manless oil filling station on the assembly line.

Features

- 5.0 - 250 ml batch filling ideally suits shock and fork filling.
- Filling accuracy ± 1.0 ml for any batch size with Cp/Cpk > 1.66 .
- Filling rate of 2000 ml / minute guarantees a high production rate
- Quickly adjustable filling nozzle height to suit tube and fork length
- Zero drip dispensing nozzle for clean shop floor environment
- PLC control with MMI allows finger-tip batch selection and settings
- Built in 25 micron oil filtration before filling
- Dual fork assembly filling option for improved productivity.
- 4000 ml / min filling rate optional for ± 2 ml resolution.



Series 6760 : Diesel Dispenser

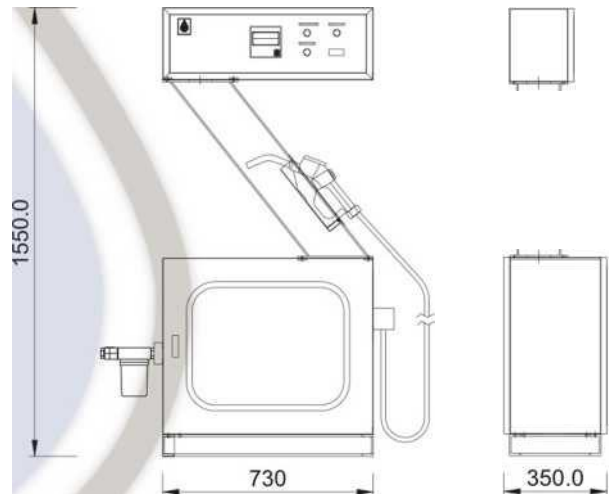
For Refueling Industrial Vehicles / Forklifts / Cranes



Specifications

Flow Capacity	0 - 35 LPM \pm 0.5% of reading
Accuracy	AC 440V 3 Phase 50 Hz
Supply Voltage	
Batch Display	a) Reset Batch - 999.99 liters
Display	b) Cumulative Totaliser - 9999999 liters
	c) Power Supply - Built in Lithium Battery 5 year life
Filter Mesh	100 micron SS Mesh Reusable 3/4"
Hose	Size Auto Switch Off Type R3 Grade Rubber Hose , 5 Meter Long
Nozzle	Gear Pump With HP Motor

Dimensions



The Fluidyne Series 6760 : Diesel Dispenser is a compact and economical diesel dispensing solution for company owned cars, buses, forklifts and cranes in industrial premises. Tamper proof operation and simple operating interface makes for a very attractive solution for controlling pilferage and consumption of diesel.

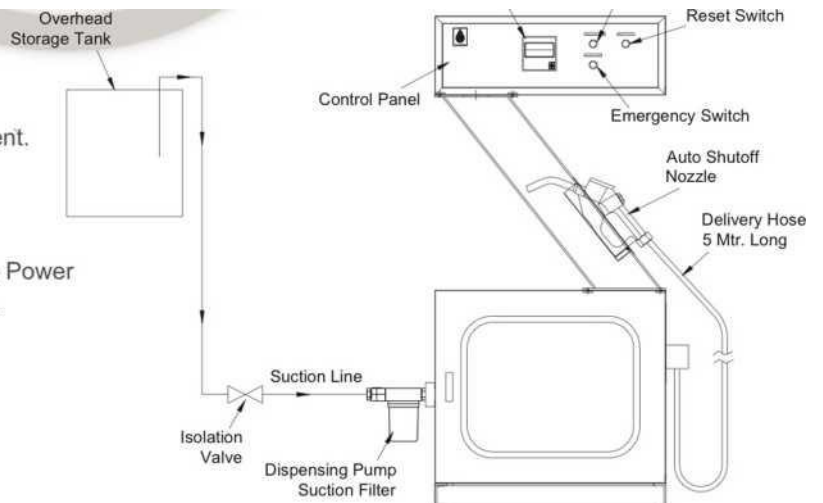
Installation

Display Unit

Pump Control Switch

Features

- High capacity gear pump
- High accuracy P. D. Flow Sensor for measurement.
- Built in large capacity filter.
- Auto shut off nozzle for tank topping up.
- Resettable Batch and Cumulative Totaliser.
- Self Powered Display, No dependence on Mains Power
- Rugged construction to suit harsh environments.
- Transparent Panel conforming to TPM Norms.





Series 6780 : Evac And Fill Liquid Dispensing System

For Brake Oil / Clutch Oil / Power Steering Oil / Coolant Filling Applications 3 Wheeler / 4 Wheeler / Heavy Vehicle Assembly Lines

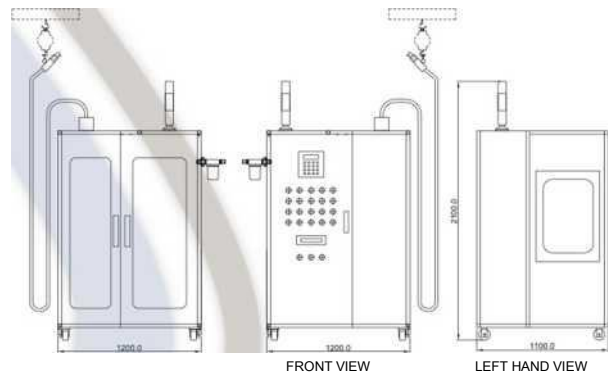
Specifications

Machine Cycles
Main Vacuum
Filling Pressure
Built In Liquid Reservoir
Vacuum Pumps And Sensors
Filling Pumps And Pneumatics
PLC/HMI
Switch Gear And Motor Power
Supply Nozzle Alarm

Evacuation/Filling/Suck Back/Gun purge
0.5 mbar minimum Up to 3.5 bar adjustable.
60 ltr capacity with deaeration device
Leybold Germany Make SMC Japan Make
Mitsubishi / Siemens / Allen Bradley
Siemens Make
AC 440V 3d-2KW connected load.
To suit liquid reservoir design in vehicles.
Diagnostic Alarm for easy maintenance



Dimensions



Introduction

The Series 6780 Dispensing System is specially designed for 100% air-bubble free filling of critical automotive sub assemblies like brake, clutch, power steering and coolant. Evacuation levels of up to 0.5 mbar are achievable along with positive pressure up to 3.0 bar. The machine, apart from filling various liquids also provides excellent quality test method of leak testing in all critical assemblies.

Features

- High evacuation up to 0.5 mbar suitable for braking systems.
- Leak check during Evacuation cycle for vacuum.
- Leak check during Filling cycle for positive pressure.
- Liquid suck back for maintaining oil level in reservoir.
- Self test for main vacuum pump efficiency.
- Light weight dripless nozzle.
- Fully automatic operating cycle, zero operator interference.
- Diagnostic alarm for easy maintenance and system fault finding.
- Compact size design conforms to TPM standards.

Details



Glass Windows to TPM Norms



Nozzle for Power Steering Oil Filling



Nozzle for Clutch Oil Filling



Series 7100 : Tanker Unloading System

For Unloading Tanker loads of Diesel / Petrol / Kerosene / Solvents



Specifications

Flow Capacity	: 400 LPH max.
Accuracy Flow	: Better than 0.5% of reading
Meter Type	: Positive Displacement Rotary Piston
Air Separator	: Float actuated mechanism
Control Valve	: 1/2" air release port.
Level	: Diaphragm operated electrically actuated
Switch	: Float level switch for air separator level sensor.
Display	: 8x2 Dot matrix LCD back light display.
	: Current total 999999.9 litres resetable
	: Cumulative total 999999.9 litres non resetable
	: Flow rate 999.9 LPM : Suitable for Gr IIA & Gr MB hazardous area certified by CMRI Dhanbad.
Area Clarification	: AC 230V 50 Hz mains supply
Power Supply	: Fabricated Mounting Frame with grouting facility.
Mounting	

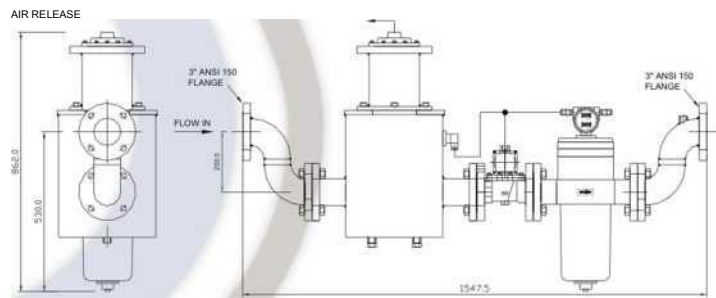
Introduction

The series 7100 System is specially designed for accurate measurement of liquid fuels and solvents during unloading from tankers. Accurate measurement of fluid is the only solution for cross checking the dip-rod measurement standard on tankers. The system offers excellent protection against pilferage and short supply normally encountered in this application.

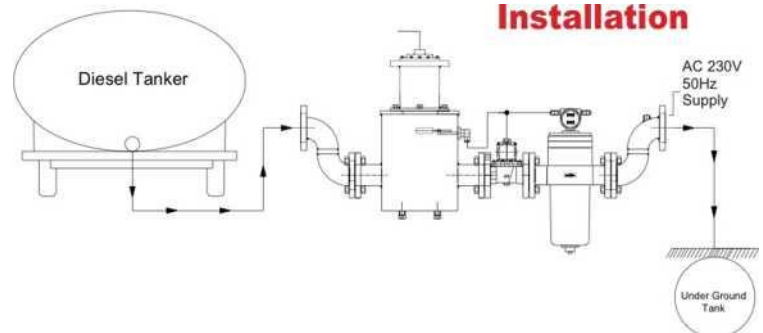
Features

- High accuracy positive displacement flowmeter.
- High capacity air separator.
- Control valve for ensuring 100% air elimination.
- Construction ensures system is full of liquid at all times.
- High capacity float actuated air release mechanism.
- LCD Dot matrix back light display for easy readability.
- Weather-proof and flame proof electrical fittings.
- RS485 Serial - output for PLC optional.

Dimensions



Installation



Series 8810: Used Oil Draining & Filtration System For Automotive Gearbox/ Transmission/ Axle/ Engine Assembly Lines.

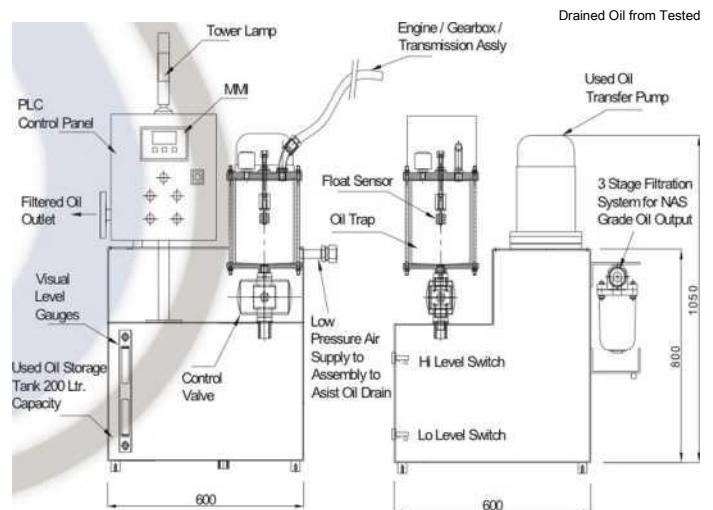
Specifications

Information with	200 Litres
Oil Inlet Filtration Oil	: 150 Micron, Single
Output Filtration	Stage : 10/3 Micron
a) Type of Filtration	Absolute OR
b) Oil quantity drained per assembly	NAS 10/6 Grade Three Stage : Volumetric
Drain Oil Measurement	Measurement of Drain Oil +/-5% Tolerance :20LPM
Level of Output Filtration	: HI/LO Level Point Level Switches : LO
Filtered Oil Output Oil	pressure 0.2kg/cm ² output for Pressurising
Level Control Oil Drain	assembly for quick and complete draining
d) NAS level of output oil required	a) Control of Air assists output
PLC/PLM Function	b) Measure Oil quantity
e) Measurement of drained oil	c) Tank oil Level control
	d) Automatic ON/OFF of transfer pump
	e) Filter choked alarms
	f) Alarm for fault diagnosis



Dimensions

Oil Draining and Filtration System



Introduction

The Used Oil Draining & filtration System is specially designed to remove; measure and filter used lubricating Oils after initial performance testing of Engines, Gear boxes, Transmissions, Axles etc. on automotive assembly lines. NAS Grade oil filtrations, Poka Yoke for desired oil quantity draining are some of the key design features of the system

Features

- Oil storage tank of 200 litres capacity
- LO pressure air output to assist draining of assembly
- Pokayoke for drained oil qty. to ensure complete draining
- High capacity oil transfer pump
- 3 Stage Absolute /NAS Grade Oil Filtration System
- Automatic Oil filtration and oil transfer to dispensing system
- Interface facility with dispensing system
- Maximizes economy of reuse of used oil with minimum wastage
- Ensure minimal Oil residue in tested assembly

The Fluidyne Positive Displacement Flowmeters are based on the time tested Oscillating Piston design. A single moving component in the assembly ensures extremely reliable operation for long period of operation. Use of state of the art solid state magnetic sensor, ultra low powered electronic sensor provides for all the simplicity of a mechanical P.D. Flowmeter and the reliability of electronic sensing and read outs.

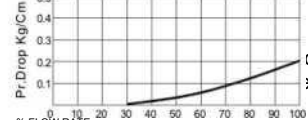
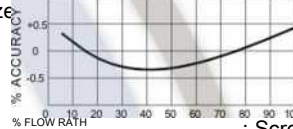
Features

- Wide operating flow range of 3.0 to 24000 LPH
- Guranteed accuracy of +/- 0.5% of reading
- Low pressure drop allows gravity head operation.
- Operation at maximum 150° C temperature possible.
- Self powered electronics ensures fit and forget operation.
- Choice of weather-proof and flame-proof electronic enclosures.
- Built in high capacity reusable wire mesh filter.
- S.S and Plastics builds to suit corrosive liquids.

Size Vs Flowrange Table

Flowmeter Size NB	Operating Flow Range LPH
DN06	3-60
DN15	60-600
DN20	150-1500
DN25	240-2400
DN40	600-6000
DN50	1200-12000
DN80	2400-24000

Pressure Operating : 150°
 Temperature Filter Mesh : 150 microns
 Size : 150 Mesh Reusable



Drop Characteristics : Screw : BSP / NPT Female Threads
 Wetted Parts : Aluminium / SS 316 / PVC
 Piston : PEEK / PVC Seals : BUNA N / Viton / EPDM / Teflon

Applications

Meter + Integral W/P Indicator



Meter + W/P Pulse Transmitter

Meter + Integral FLP Indicator



Meter + FLP Pulse Transmitter



Remote W/P Indicator Rate + Totaliser



Remote W/P Indicator + 20 mA Analog Output or Rs485 Serial Output



Series 6622 : Fuel Consumption Monitor



Specifications

Flow Range	: 12- 500 LPH : ±
Accuracy	0.5% of reading :
Service	HSD / LDO : 0 -
Operating Temperature	70° C
Display	: 8 digit dot matrix LCD Fuel Totaliser: 999999.9 ltrs. Engine Run Time : 9999.99 Hrs.
Filter Element	: 25 micron Replaceable : 12V DC from cranking battery : MS fabricated frame for ground mounting of unit
Power Supply	: <1" of Hg at 500 LPH on Diesel Service
Mounting	: Mounting : On Oil Gallery
Pressure Drop	
Engine Run Time	
Switch	

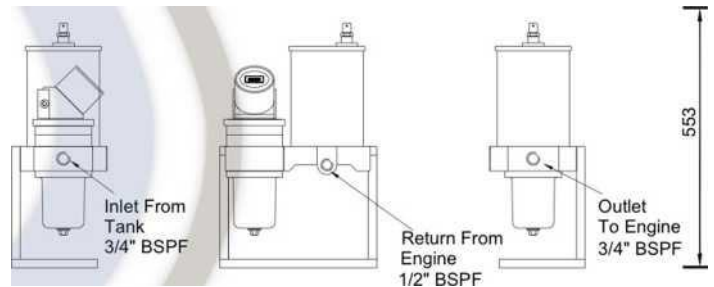
Introduction

The Fuel Consumption Monitor is compact fuel flow measuring system specially designed to suit Cummins Engines with PT Fuel System for monitoring the net fuel consumption of stationary equipment like engines, gensets, pumpsets, compressors etc. After accounting for the return fuel from the engine. The unit is provided with a 24V DC powered Flow Indicator which ensures accuracy with a variety of fuels under all operating conditions.

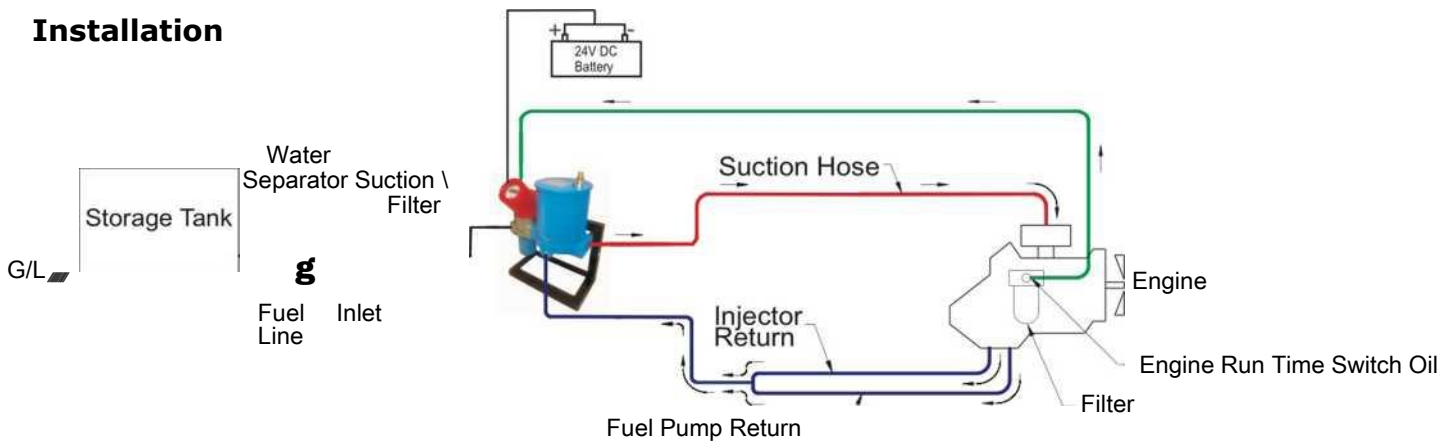
Design Features

- Accuracy guaranteed over 12-500 LPH flow range
- Measures netfuel consumption
- Ensures return fuel deaeration for Cummins PT system
- HSD,LDO compatible
- Gravity head not required for operation
- 24VDC powered
- Built in filter Built in reusable filter

Dimensions



Installation



Series 6625 : Genset Efficiency Monitoring System

For Diesel /LDO Powered Gensets- 50-1500 KVA Capacity LT



Accuracy	
Flow Measurement	: ± 0.5% of reading : ± 1.0% of reading
Energy Measurement	reading
Display	
Efficiency	: 9.99 Unit/Litres.
Load	: 9999 kw.
Fuel Rate	: 999 LPH : 9999999.9 KWH :
Units Totaliser	9999999.9 litres.
Fuel Totaliser	: 999999.99 hrs.
Hrs. Totaliser	: DD/MM/YY Date.
Real Time	HH/MM/SSTime.
Inputs	: Fuel Flow Signal from Fuel Monitor. : CT/PT Input from Genset Panel. : Genset ON/OFF Signal from Engine : ON/OFF Transducer.
Communication	: RS485 Communication link to PC. RS485-RS232 Converter for link to PC COM port.
PC Report	: Genset Daily Log Report in Excel format.
Power supply	AC 230v 50Hz mains supply.

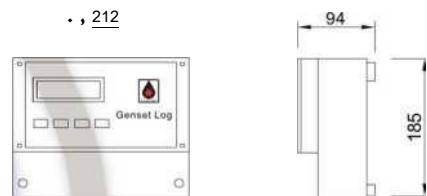
Introduction

The Series 6625 : Genset Efficiency Monitor is a state of the art microcontroller based measurement concept which combines genset fuel consumption and power output measurement in one single compact instrument. Apart from displaying the live on line genset efficiency in Units/Litre,it provides logged data transmission on a RS485 link to a remote PC, completely automating genset efficiency monitoring, a most vital need in powerhouse management.

Features

- Directly interfaces with Fluidyne' Genset Fuel Monitor' for Fuel Measurement.
- Measures net fuel consumption for 50-1500 KVAGensets.
- Built in Energy Transducerfor energy measurement.
- Displays dynamic on line efficiency in Units/Litre for each Litre consumed..
- Directly interfaces with Engine ON/OFFtransduserfor Run Hrs Logging.
- Displays resetable& cumulative totaliserfor Units, Liters & Engine Run Hrs.
- Built in Real time clock for data logging on 24 hr basis for all parameters.
- Logged data transmission to remote PC on RS485 communication link.
- Software utility for PC provided to view logged data in Excel format.
- Provision for daisy chaining sixteen monitors to one single PC.

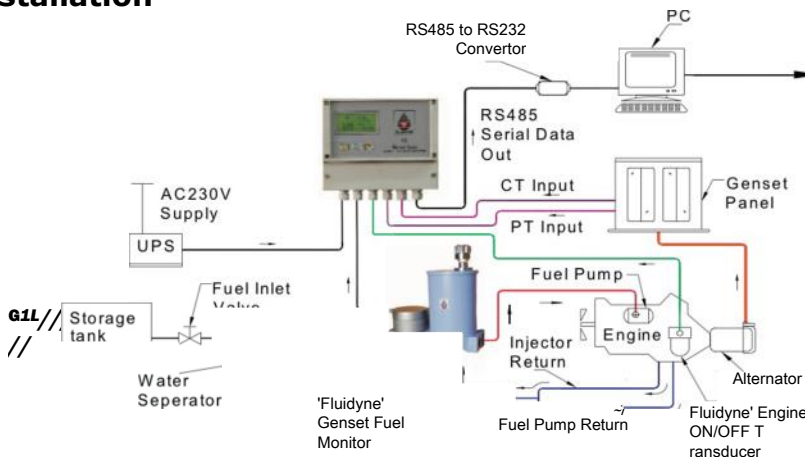
Dimensions



Default Display

	LOAD		Instantaneous Load
Instantaneous Efficiency	No Π nn		
	*J.tJ LJ	FUEL 2^1 LPH	
	Units/Lit.		Instantaneous Fuel Flow Rate

Installation



Daily Log Report

Genset Daily Log

Date : 23-Aug-05 Genset: KTA1150G-1 User : CDSS PUNE

Log Date	F	W?	KWHr	KWH/Lr.	
22/7/200	180.34	326.34	239.30	1.57	3.34 1.33
23/7/200	118.70	180.91	115.53	89.01	2.96 0.97
24/7/200		830.44	213.18	82.85	3.39 1.00
25/7/200	194.34	219.97	287.40	85.84	3.32 1.53
26/7/200			372.93	1795.0	515.67 3.48 3.98



Series 6640 : Fuel Consumption Monitor

For High Pressure Fuel Injected Low HP Engines Capacity : 5-150 HP



Fuel Sensor

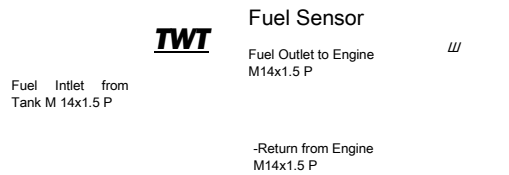


Display Unit

Specifications

Measurement Flow Range	1-30 LPH :1%
Accuracy	of reading :
Service	Diesel :0-70°
Operating Temp.	C
Display	: 6 digit 7 segment red LED Fuel Totaliser - 999999.9 lit.
	Engine Run Time - 999999.99 hrs/mins
Filter Element	:25 micron paper replacable type.
Power Supply	: 12V DC from cranking battery :
Port Size Filter	Inlet / Outlet / Return M ₁₄ x1.5 F
Element	:25 micron paper replacable :
Mounting	Fabricated mounting bracket.

Dimensions



Introduction

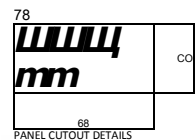
The fuel consumption monitor is a very compact and convenient fuel monitoring unit to measure fuel consumption of small gensets, commercial vehicles, construction and mining machinery, etc. The unit handles the return flow and calculates and displays net engine consumption.

Features

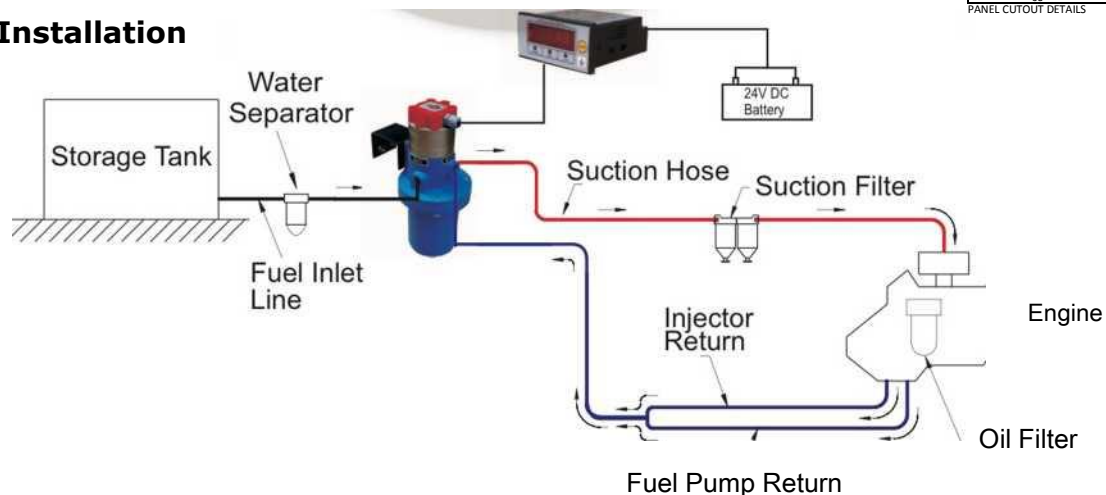
- Accuracy guaranteed over 1-30 LPH consumption.
- Measures net consumption with single flow sensor.
- Gravity head not essential for operation.
- Built in high capacity filter.
- Works on 12V engine cranking battery supply.
- Quick mounting kit provided with unit.

Display Unit 73.5

72



Installation



Series 6670 : Fuel Consumption Monitor



For High Pressure Fuel Injected Engine
Capacity : 50-1500 HP



Specifications

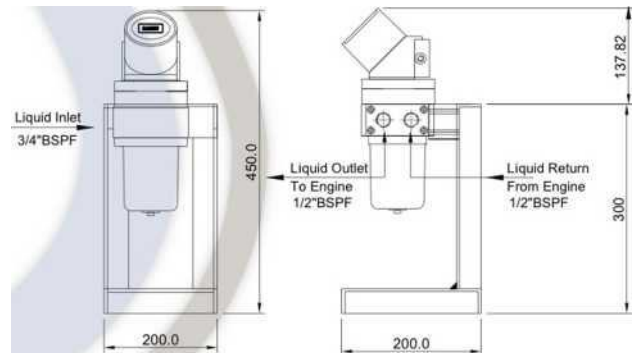
Measurement Flow Range : 12-500 LPH : $\pm 0.5\%$ of reading :
Accuracy Diesel : 0-70°C
Service : 8X2 Dot matrix LCD back light display.
Operating Temp. Fuel Totaliser - 999999.9 lit.
Display Engine Run Time - 999999.99 hrs/mins.
: 25 micron paper replaceable type.
: 12V DC from cranking battery : Inlet -
3/4" BSPF : Outlet - 1/2" BSPF : Return
- 1/2" BSPF
: MS fabricated frame for ground mounting
of unit.
: RS485 MODBUS RTU optional

Filter Element
Power Supply
Port Size

Material Serial

Output

Dimensions



Introduction

The fuel consumption monitor is a compact fuel flow measuring unit for high pressure fuel injected engine of all makes. The unit handles the return flow and calculates and displays net engine consumption. It is most suited for use with Gensets, diesel driven machinery.

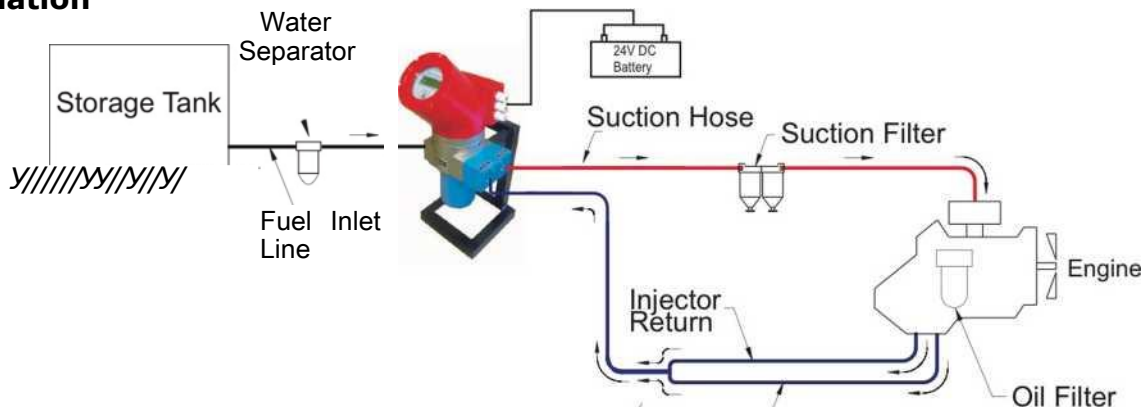
Features

- Accuracy guaranteed over 12-500 LPH consumption.
- Measures net consumption with single flow sensor.
- Gravity head not essential for operation.
- Built in high capacity filter.
- Works on 12V DC supply from cranking battery.
- Provided with sturdy mounting frame.
- RS485 Serial output interface, optional for PLC / SCADA.

Fluidyne Control Systems (P) Ltd.

S. No. 79/2, Plot No.12, Near Agarwal Godown, Shivne, Pune-

Installation





Series 6650 : Fuel Consumption Monitor

FLUIDTONE

For High Pressure Fuel Injected High Capacity Engines Capacity : 500-3500 HP



Specifications

Measurement Flow Range	: 150-1500 LPH :±0.5% of reading
Accuracy	: Diesel : 0-70° C
Service	: 8X2 Dot matrix LCD back light display.
Operating Temp.	: Fuel Totaliser - 999999.9 lit.
Display	: Engine Run Time - 999999.99 hrs/mins.
	: 25 micron paper replaceable type.
	: 24V DC
Filter Element	: Inlet - 1" BSPF
Power Supply	: Outlet - 1" BSPF
Port Size	: Return - 1" BSPF
	: MS fabricated frame for ground mounting of unit.
Mounting	: RS485 MODBUS RTU optional
Serial Output	

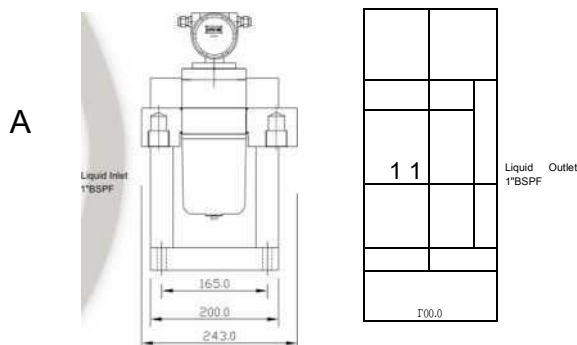
Introduction

The fuel consumption monitor is high capacity compact unit for measuring net fuel consumption of high capacity engines. The unit handles the return flow and calculates and displays net engine consumption. It is most suited for use with large Gensets, Ship Propulsion Engines, etc.

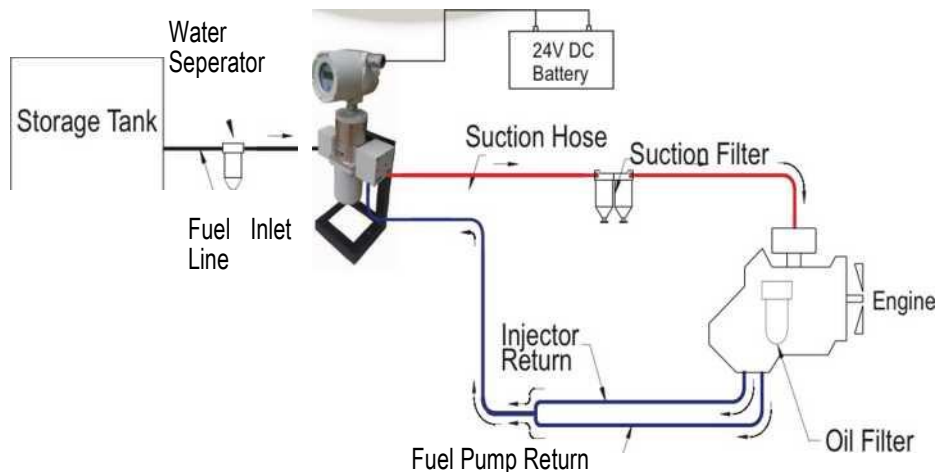
Features

- Accuracy guaranteed over 15-1500 LPH consumption.
- Measures net consumption with single flow sensor.
- Gravity-head not essential for operation.
- Built-in high capacity filter.
- Works on 12V / 24V DC power supply.
- Provided with sturdy mounting frame.
- RS485 Serial output - optional for PLC / SCADA interface.

Dimensions



Installation





FLUIDYNE

Series 6700 : Industrial Dispensers

For Automobile Assembly lines



Specifications

Dispensing Flow	: ± 0.01 Ltr per batch Cp/Cpk > 1.66 : $\pm 1.0\%$ of reading
Dispensing Accuracy	: 0.01 Ltr-999.99Ltr User Selectable
Batch Selector Keys	: From barrels/Overhead Tanks/Built in Storage Tank : 250
Liquid Input Built in Tanks	: L/400 L/600 L/900 L Capacity
Control System	: a)PLC : Omron/Mitsubishi/Messung/Siemens make b)MMI : Omron/Biejer/Messung/Siemens make
Data Storage	: 10 years shut down condition
Batch Quantity Selector	: a)Manual selection b)Selection through Barcode Reader
Dispensing Gun Power Supply	: Pneumatically operated high capacity zero drip :3 Phase 415V \pm 10% 50Hz

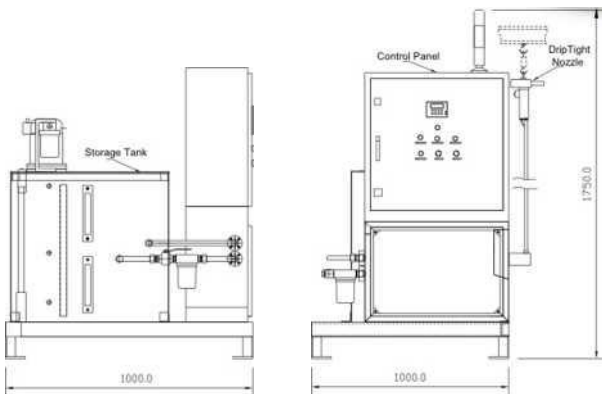
Introduction

Fluidyne Industrial Dispensers provide fast and highly accurate measure of filling a variety of lube oils, transmission fluids & coolant on final assembly line of cars, heavy vehicles & two wheelers. Split second adaptability for multiple vehicle model on a single filling station with PLC control system coupled with a process capability, Cp/Cpk > 1.66 provides an ideal solution to the needs of modern automotive assembly lines.

Features

- Programmable multiple batches to suit a variety of vehicle models.
- Accuracy guaranteed to ± 0.01 ltr per batch filling.
- Cp/Cpk >1.66 for filling all types of liquids.
- Built in double filtration of 150 micron.
- Zero drip high capacity filling gun with customized spout.
- Finger tip Start / Emr. stop function on the filling gun.
- Built-in air separator for barrel transfer application.
- Evacuate and fill type system for clutch, brake, power steering and radiator filling.

Dimensions



Used Oil Collection & Filtration System



Dripless Nozzle



Multi Oil Dispenser



Petrol Dispenser with 40L Storage Tank



FLUIDYNE

Series 6720 : Mobile Diesel Dispenser

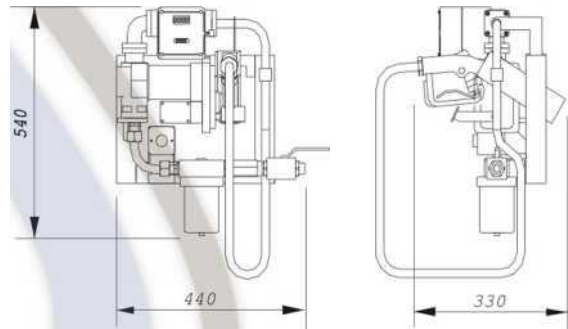
For Tankers / Bouzers / Refueling Vehicles



Specifications

Flow Capacity	: 0 - 60 LPM \pm 0.5% of reading
Accuracy Supply	DC from vehicle battery : 12 mm
Voltage Batch Display	Height LCD 999.99 litres : 8 mm
Cumulative Display	height LCD 9999999 litres : 150
Filter Mesh Hose	Micron SS Mesh Reusable Type : 1"
Nozzle	R3 Grade Rubber, 5 Meter Long 3/4" Shut off Nozzle

Dimensions



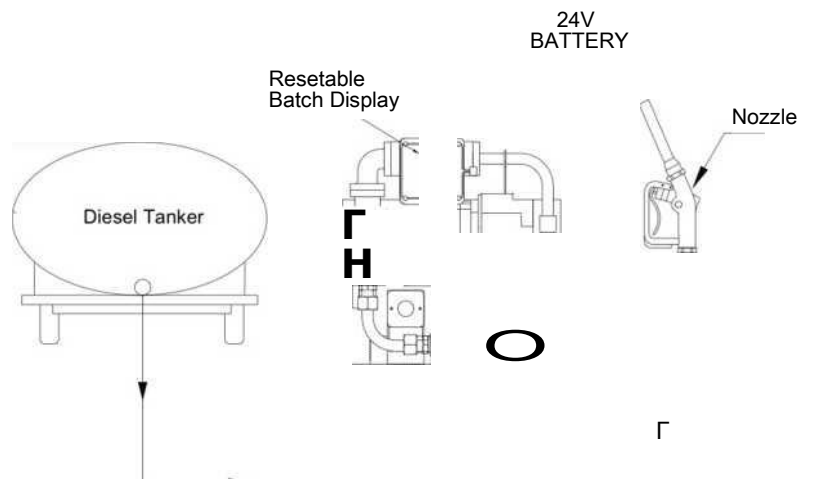
Introduction

The Fluidyne Series 6720 : Mobile Diesel Dispenser is a compact dispensing solution for diesel dispensing at construction and mining sites. 24V DC operation and a tamper-proof metering unit makes it a very attractive device for conserving precious diesel fuel and controlling pilferage on construction/mining sites.

Features

- High capacity vane pump for diesel dispensing.
- High accuracy R D. Flowmeter for measurement.
- Built- in reusable large capacity filter.
- 3/4" size Shut off nozzle for filling.
- Pad locking facility for nozzle.
- Resetable Batch and Cumulative Totalises
- Self Powered Display.
- 24V DC vehicle battery operation.
- Rugged construction to suit harsh environments.

Installation





Series 6710 : Liquid Filling Machine

Features

Suits container filling of 1, 5, 10, 20, 30 litre containers. Accuracy +/- 5.0 ml per container batch.

- Provision to fill, foaming type of liquids with ease.

Single machine

- can fill different types of liquid in batch production.

Unique water &

- air washing and cleaning cycle for changing liquids.

PLC control

- with MMI with finger tip selection of batch size and setting.

Fully

constructed in SS316 for corrosive liquids and environments.

- Provision for optimising accuracy while filling any liquid.
- Zero drip filling nozzle to ensure clean shop floor.

Dispensing Flowrate :
Filling Accuracy Batch
Setting Range Material of
construction

Display
Display Parameters

Programmed Batches
Floor Space Occupied
Power Supply Pneumatic
Supply Diagnostic Alarm

Specifications

1000 LPH ± 5.0 ml per
Batch 0.5 Litre to 35
Litre

a) Non wetted parts - SS316
b) Wetted Parts -SS316L 1.6 X 2 LCD
Back Lit dot matrix *Set Batch quantity
with ident *Delivered quantity with auto
zero Up to 16 Nos. Max.

1500 x 800mm
1 Phase 230V, Ac 50 Hz, +/- 50Hz
4 Kg/cm² instrument quality air

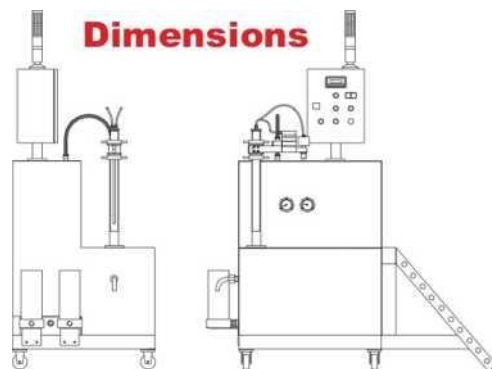
*Low liquid level
*Low Air Pressure



*No wash water supply
*No flow through nozzle

Introduction

Fluidyne Liquid Filling Machine is specially designed for batch filling of multiple liquids through one common machine into 1.0 litre to 30 litre containers. The system offers an unmatched accuracy of +/- 5.0 ml per batch with a flow range of 1000 LPH. The system can be adaptable for corrosive as well as non-corrosive liquids of various viscosities, densities and chemical compositions.



750

1450

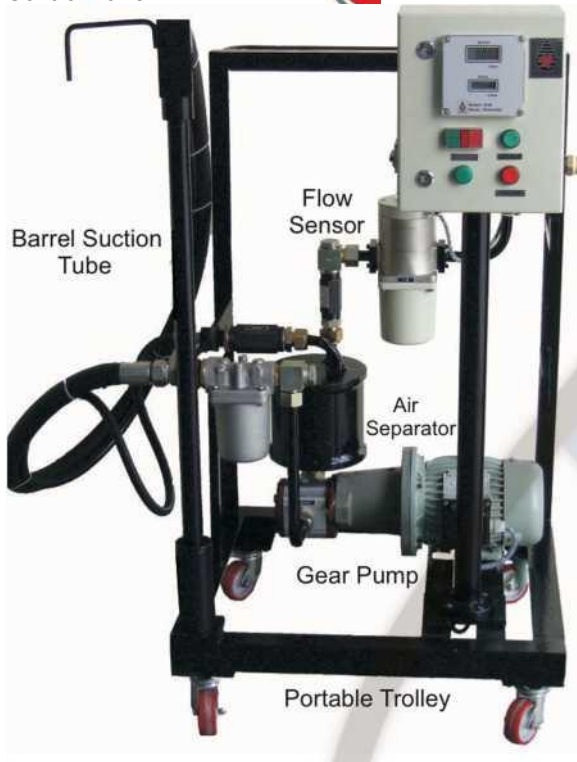


Control Panel

For accurate measurement during unloading barrels.

Diesel / Kerosene / Solvent Applications

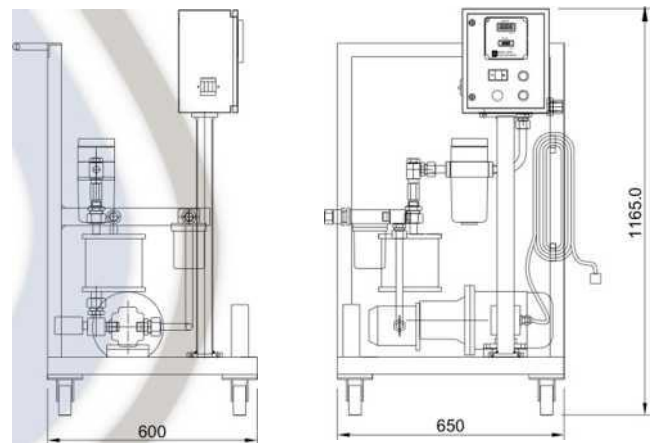
Series 7110 : Barrel Unloading System



Specifications

Flow Capacity	:25 LPM
Accuracy Flow Meter	: Better than 0.5%
Type Pump Type	: Positive Displacement - Rotary
Motor	Piston :Gear Pump
Air Separator Display	:1HP 3*440V power supply : High capacity ½"
	Port size : 5 digit ½" LCD 1999.9 litres resetable 8
Barrel Suction Tube	digit 8mm LCD 999999.9 litres non-resetable : 1"
Trolley	Metal pipe
Filter	: Fabricated steel with center wheel.
Suction Hose	: 150 micron reusable.
	: 1",3 Meter long Rubber Hose

Dimensions



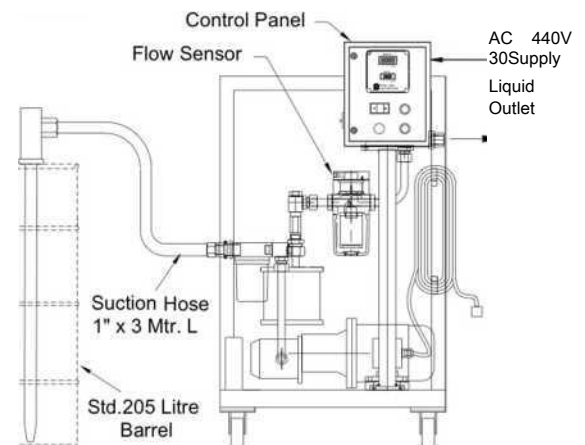
Introduction

The series 7110 is specially designed for accurate measurement of liquid fuels such as diesel, kerosene and solvents during unloading from barrels. Accurate flow measurement is the only solution to checking the dip-rod measurement standard on barrels. The system offers excellent protection against pilferage and short supply normally encountered in this application.

Features

- High accuracy positive displacement flowsensor for measurement.
- 1 HP Gear Pump for decanting barrel within 10min.
- High capacity air separator for maintaining accuracy.
- Construction ensures system is fully primed at all times.
- LCD display for easy readability.
- Weather-proof and flame-proof electrical fitting.
- Convenient metal barrel suction tube with hose provided.
- Left over liquid in barrel is less than half a litre.
- Convenient mobile trolley mounted for portability.
- RS485 Serial - output for PLC interface optional.

Installation





Series 6691 : Mobile Fuel Monitoring System

For Construction / Mining / Transportation Industry
 Installation on Excavators / Tipper / Cranes / Hyva / Loaders / Dumpers
 Wireless Data Transmission to Remote Server

FLUIDYNE



Data Collection & Transmission Unit (DCTU)

Fuel Flow Sensor

Introduction

The Series 6690 Fuel Monitoring System is a unique innovative product specially designed to provide accurate highly reliable information on complete fuel Consumption of diesel driven machinery. The system offers an excellent solution to monitor fuel misuse, pilferage, low utilization of machines and low operating efficiency of diesel driven machinery.

Features

- Accurately measures and logs net fuel consumed
- Measures and logs engine Run Hrs.
- Measures distance traveled in kms.
- Data logging is done in real time.
- Wireless data transfer to server on GSM network .
- Ruggedised for use with high vibrations and shock load conditions.
- 12 v DC operation on engine cranking battery.
- Non editable file storage in database.
- Choice of fuel sensor to suit all types of Engines.

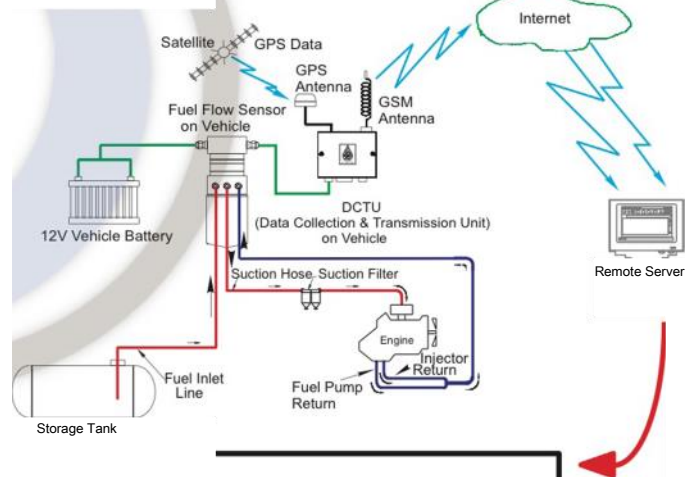
Parameters measured for each engine working session

- Engine Start & Stop Date
- Engine Start & Stop Time
- Fuel Consumed in Litres
- Working Hrs.
- Idling hrs.
- Kms. Travelled
- Engine Start Latitude & Longitude
- Engine Stop Latitude & Longitude
- System Power ON/OFF Alert

Choice of Fuel Flow Sensor

- 6640 For High Pressure Fuel Injected Engines of all makes Capacity 15 -180 HP
- 6650 For High Pressure Fuel Injected Engines all makes Capacity 100 - 1500 HP
- 6622 For Cummins PT Fuel System based Engines Capacity 50- 2000 HP

Installation



Typical Server Data Page

Machine: JCB Front End Loader/ID SEW00003

- Direct transmission of data from vehicle to sever.

Id	ro	Start Date	StartTime	EndDate	EndTime	TotalFuel-Ltr	WorkingHours	Idle Hours	On/Off Rag	On	EndLatitude	StartLongitude	EndLongitude	1
SEW00003	03/08/2011	18:25:26	02/08/2011	18:23:28	0.030	0000:00:02	0000:00:00	0	0	0.00DM	21.9611	0.00E	S2.40E	
jSEW00003	03/03/2011	13:26:42	03**08/2011	13:37:54	1.30	0000:11:12	0000:00:00	0	0	0.21.96N	21.9611	S2.40E	82.40E	
SEW00003	03/03/2011	18:40:03	03/08/2011	18:40:08	0.02	0000:00:00	0000:00:00	0	0	0.21.961-1	21.9611	52.40E	82.40E	
SEW00003	03/08/2011	18:43:00	03/08/2011	18:53:01	2.940	0000:10:01	0000:00:00	0	0	0.503.21.56M	21.9611	82.40E	82.40E	
SEW00003	03/08/2011	19:21:31	03/08/2011	19:36:02	4.230	0000:14:31	0000:00:00	0	0	0.58.21.9611	21.9614	82.40E	82.40E	
SEW00003	03/03/2011	20:33:20	03/08/2011	20:36:05	0.120	0000:00:45	0000:00:19	0	0	0.0.0011	21.9614	0.00E	8240E	
SEW00003	04/08/2011	0.14:33	04/03/2011	0.3847	6.910	0000:24.08	0000.03:02	0	0	0.908.21.S5N	21.9611	82.40E	82.40E	
SEV00003	0-03/2011	7:23-17	04/08/2011	7.43:03	4620	0000:14.46	0000.03:55	0	0	0.626.21.96N	21.9611	82.40E	82.40E	
SEW00003	04/08/2011	8:47:34	04/08/2011	8:57:14	1.70	0000:09:40	0000:02:57	0	0	0.034.21.9614	21.9614	8240E	82.40E	
SEVVC0003	04/03/2011	9:02:05	04/03/2011	9:09:26	0.740	0000:07:21	0000:05:34	0	0	0.13.21.9611	21.9711	82.40E	82.41E	
SEW00003	04/03/2011	9:42:40	04/08/2011	9:44:53	0.530	0000:02:13	0000:00:22	0	0	0.088.21.9711	21.9614	S2.41E	82.40E	
SEW00003	04/08/2011	9:48:41	04/08/2011	10:00:03	1.40	0000:11:21	0000:06:13	0	0	0.298.21.96N	21.9714	S2.40E	82.40E	
SEA00003	04/08/2011	10:12:03	04/08/2011	10:26:10	2.20	0000:14:07	0000:05:50	0	0	0.83.21.9711	21.97N	82.40E	82.41E	
SEW00003	04/03/2011	10:36:39	04/08/2011	10:43:15	1.390	0000:06:35	0000:01:48	0	0	0.523.21.9711	21.9614	8241E	8240E	



Series 6690 : Mobile Fuel Monitoring System

For Genset / Non moving Construction & Mining / Machinery Installation on Genset / Dozers / Cranes / Compressors / Welding Sets Wireless Data Transfer to Remote Server

FLUIDYNE



Data Collection & Transmission Unit (DCTU)

Fuel Flow Sensor

Parameters measured for each engine working session

- Engine Start & Stop Date
- Engine Start & Stop Time
- Fuel Consumed in Litres
- Working Hrs.
- System Power ON/OFF Alert

Choice of Fuel Flow Sensor

- 6640 For High Pressure Fuel Injected Engines of all makes Capacity 15 -180 HP
- 6650 For High Pressure Fuel Injected Engines all makes Capacity 100 - 1500 HP
- 6622 For Cummins PT Fuel System based Engines Capacity 50-2000 HP



Introduction

The Series 6690 Fuel Monitoring System is a unique innovative product specially designed to provide accurate highly reliable information on complete fuel Consumption of diesel driven machinery. The system offers an excellent solution to monitor fuel misuse, pilferage, low utilization of machines and low operating efficiency of diesel driven machinery.

Typical Server Data Page

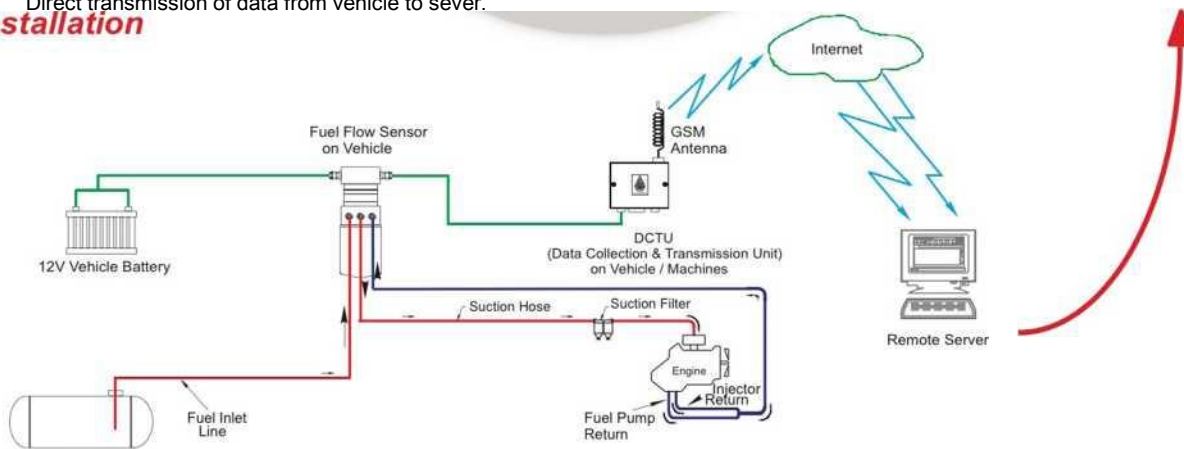
Machine: 25 KVA Genset/ID 0000002

Features

- Accurately measures and logs net fuel consumed
- Measures and logs engine Run Hrs.
- Data logging is done in real time.
- Wireless data transfer to server on GSM network .
- Ruggedised for use with high vibrations and shock load conditions.
- 12 V DC operation on engine cranking battery.
- Non editable file storage in database.
- Choice of fuel sensor to suit all types of Engines.
- Direct transmission of data from vehicle to sever.

Sl	Date	Start Time	End Time	Run Time	Fuel Consumed (Litres)	Working Hours	Alert
2	12/06/20	3:14:45	35.84878	0013:29:12	12/06/20	21:43:57	0
2	13/06/20	8:01:13	35.95167	0013:52:29	13/06/20	21:53:42	0
2	14/06/20	8:11:42	35.95167	0013:37:06	14/06/20	21:48:48	0
2	15/06/20	8:00:20	17.93762	0005:02:46	15/06/20	13:03:06	0
2	15/06/20	13:14:16	17.63190	0009:20:33	15/06/20	22:34:49	0
2	16/06/20	8:02:06	34.33781	0013:43:31	16/06/20	21:45:37	0
2	17/06/20	7:56:35	34.36721	0013:42:43	17/06/20	21:39:18	0
2	13/06/20	7:53:50	35.85172	0013:50:59	18/06/20	21:44:48	0
2	19/06/20	8:00:42	35.70768	0013:44:06	19/06/20	21:44:48	0
2	20/06/20	8:09:48	16.62948	0004:09:34	20/06/20	12:19:22	0
2	20/06/20	12:33:35	17.14980	0009:05:29	20/06/20	21:44:04	0

Installation



Архангельск (8182)63-90-72
 Астана (7172)727-132
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Иваново (4932)77-34-06

Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Липецк (4742)52-20-81
 Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Казахстан (772)734-952-31

Пермь (342)205-81-47
 Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35
 Тверь (4822)63-31-35
 Томск (3822)98-41-53
 Тула (4872)74-02-29
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Ярославль (4852)69-52-93