



RETAIL PRODUCT CATALOGUE



SMARTFLOW
TECHNOLOGIES LTD

www.smartflowtech.com

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sales@smartflowtech.com

HOW TO ORDER

By Telephone



+234 701 582 5689

We are pleased to accept verbal orders for immediate despatch for approved credit accounts

Opening Times

Monday - Friday 08:30 - 17:30

Satisfaction Guaranteed



If you are not completely satisfied with the goods you have ordered, you may return them in as new condition within 14 days of the invoice date & receive a refund or credit. Items may be subject to a restocking charge.

When returning items, please advise us first & we will issue you with a return number.

By E-mail



info@smartflowtech.com
sales@smartflowtech.com

Quotation



Quotations are available for large quantity purchases. Please ask our sales team for details

Payment



- 30 days net monthly
- Our bank details are:
Guarantee Trust Bank
Account No. 0115970954
Account Name: Smartflow Technologies Ltd
Sort Code: 0581524

Collection



Goods may be collected from our premises between 08:30 - 17:00 Monday to Friday. Call us in advance and we will have the goods ready for you.

Same Day Dispatch



Orders received by 14:00 are dispatched the same day where possible.

Carriage Options



Post 3 - 4 days
Next day between 09:00 - 17:30
Next day before 12:30
Next day before 10:30
Saturday before 12:30
Same day delivery

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Automatic Nozzles - Gas Station

OPW Standard & High Flow Nozzle



Flow Rate: Upto 120 L/min
Maximum Pressure: 50 psi (3.45 bar)
Inlet Sizes: 3/4" NPT, 1/2" NPT
Body: Aluminum w/ nickel plating
Colours available: Green, Red, Black, Blue, Yellow

Features & Benefits

- Prevents gasoline spills in prepay or card-lock systems utilizing OPW's unique No Pressure – No Flow Device.
- It cannot be opened until the pumping system is pressurized, and closes automatically when the pressure is removed.
- Prevents consumer from jamming the nozzle in an open position – Blocker on lever guard.
- FlowLock™ allows nozzle to shut-off when falling out of a vehicle, and tipped up, limiting spillage and unsafe conditions.
- Cycle-tested and proven to last longer than 1 million cycles - Better than any other nozzle available on the market today.
- Durable lever guard that won't scratch your customers' vehicles.
- Easy to use – Utilizing Accu-Stop® to-the-penny Flow Control Technology.
- Attractive 2-Piece Newgard™ Hand Insulator is the most comfortable nozzle in the industry to use.

Aircraft Nozzles



Maximum Pressure: 110psi (7.58 bar)
Body: Cast Aluminium
Main Stem: Stainless steel
Stem Seal: Buna-N-O-Ring
Disc: Viton®
Spout: Aluminum

Features & Benefits

Dual poppets - easy-to-open nozzle against high inlet pressures.
Colour-coded composite lever guards - helps distinguish between AVGAS and Jet A. easily replaced in lever guard kit.
Right Angle Design-provides larger lever area for better grip and easier control.
Vinyl-Coated-Lever - insulates fingers against cold.
100 Mesh Strainer - prevents foreign matter from entering fuel tank; easy to remove and clean.
Dust Cap - keeps spout from dirt and stops fuel drippage when connected.
Built-in-swivel - eliminates twisting and kinking of the hose. This swivel is electroless nickel-plated and has full-bearing surfaces.
Ground wire assembly - included on all aviation nozzles.

FUEL HOSES

Fuel Dispensing Hoses

Steel Braided Fuel Dispensing Hose

Product Code: PH 10.3/4
Max Pressure: 230psi (15.8 bar)
Ends: 1", 3/4" M BSPP
Bore: 16 - 25mm
Suitable with: Diesel, Petrol
Warranty: 1 year



Available in all length

Details:

Suitable with petrol, diesel,
Steel braided.
Statically bonded.
Zinc plated "swaged for life" end fittings.
Smooth wipe clean covering. Excellent fuel & weather resistance.
Steel braiding provides excellent protection against vandalism & the theft of nozzles by cutting through the hoses.

Soft Wall Fuel Dispensing Hose -

Product Code: CH3.25
Max Pressure: 50psi (3.5 bar)
Ends: 3/4", 1" M BSPT
Bore: 25mm
Suitable with: Diesel
Warranty: 1 year



Available in all length

Details:

Suitable with diesel
Fixed male BSP taper cast aluminium ends.
Machine swaged ends for long life.
Statically bonded.

Fuel Delivery Hoses

Soft Wall Delivery Hose



Product Code: GH4.19
Max Pressure: 50psi (3.5 bar)
Ends: 1", 3/4" M BSPT
Bore: 19mm - 25mm
Suitable with: Diesel
Warranty: 1 year

Available in all length

Details:

- Suitable with diesel.
- Supplied by the metre or in made up hose assemblies.
- Ends held in place with stainless steel machine bands.
- Not electrically bonded. Nylon reinforcing.
- **Improved:** This hose has a new liner making it suitable for all diesel & diesel additives.

Suction Hoses

Oil Suction Hose



Product Code: OH.1S
Ends: 3/4" M/F BSP cone seat
Length: 1m
Max Pressure: 1885psi (130 bar)
Warranty: 1 year
Suitable with: Oil

Details:

Suction hose assembly 3/4".
Steel braided, rubber coated cover.
Zinc plated, steel end fittings.

Factory Fitted Hose Couplings

Hose Assembly c/w 1" Foot Valve & Strainer



Product Code: SH25.59
Bore: 25mm
Max Pressure: 50psi (3.4 bar)
Warranty: 1 year
Suitable with: 1 year
Suitable with: Diesel

Details:

Suitable with diesel.
Flexible PVC with rigid spiral embedded compound.
1" suction hose assembly x 1.5m long, 1" BSPM ends with 1" foot valve & strainer.

Safety Break Hose

Product Code: PH2.5
Max Pressure: 230psi (15.8 bar)
Ends: 3/4" M/F BSPP
Length: Upto 500m
Manufacturer: Goodyear
Bore: 16mm
Suitable with: B100, E85, Petrol
Warranty: 1 year



Details

Suitable with petrol, diesel.
Steel Braided.
Statically bonded.
Short length hoses for use with hose break couplings.
Fit between the pump outlet & the break away coupling.
M= male or F= female end fittings.
500mm for use with ALPHA fuel pumps.

Hose Assembly for 540 Series Hose Reel - 8m

Product Code: HR08.19H
Max Pressure: 90psi (6 bar)
Ends: 3/4" F BSPP / 3/4" M BSPP
Hose Length: Upto 8m
Suitable with: Diesel
Warranty: 1 year



Details

Choose length of hose required.
Quality long life hose assemblies, machine swaged ends. Statically bonded.
One end female the other male, all BSPP.

Gravity Feed Kit with Locking Angle Valve - 3m

Product Code: PH GK3.LS
Max. Pressure: 50psi (3.5 bar)
Length: 3m
Bore: 25mm
Suitable with: Diesel
Warranty: 1 year
Available in all length



Details:

Suitable with diesel or biodiesel up to B100.
Provides simple & quick diesel dispensing from gravity tanks.
A range of packaged kits including hose, valve, nozzle & PTFE tape.
All with locking angle valve, robust aluminium trigger nozzle c/w swivel.
All kits individually packed c/w contents label for easy storage.
Improved. This hose has a new liner making it suitable for all diesel & diesel additives.

NOZZLES, HOSES & HOSE REELS

Hose Reels

Manual hose-reel for 15m Ø1" hose



Manual Hose-reel with manual retraction lever mechanism.
 Made of painted steel sheet for fuel transfer
 Liquid: Diesel

AUTOMATIC SERIES 5 10/20 m · Ø3/4"

Liquids: Diesel



Features

- Automatic hose-reel without hose (built-in stop)
- Version in painted steel sheet with galvanized or stainless steel parts
- Output window with PVC roller
- Maximum pressure: 40 bar - 45 bar
- Length: 10m - 50m
- Ø3/4" and Ø1"

AUTOMATIC High flow · 10 or 15 m · Ø3/4" or 1"

Liquids: Diesel



Features

- Metallic enameling and painted steel automatic hose-reel
- With and without hose
- 10 or 15 m antistatic double layer hose
- Rollers in the hose delivery for a correct hose auto-location
- The delivery arm can be mounted in different positions.
- Max. hose-reel pressure: 40 bar · Hose pressure: 10 bar

FLOW METERS

Fuel Transfer Meters - Mechanical

PIUSI K33 1" Flow Meter - 3 Digit



Badges: ATEX Certified
Max. Pressure: 142 psi (10 bar)
Flow Rate: 20 – 120 L/min
Manufacturer: PIUSI
Accuracy: +/- 2%
Outlet: 1" F BSPP
Register: 3 digit / 6 digit
Suitable with: Diesel, Kerosene, Petrol
Warranty: 1 year

Details:

- ATEX certified for use with diesel, kerosene & petrol.
- Robust nutating disc flow meter. Aluminium housing.
- Adjustable calibration. Front face can be rotated in 90 degree increments.

Piusi K44 1" Flow Meter – 4 Digit Standard



Product Code: K44
Inlet: 1" F BSPP
Max. Pressure: 142 psi (10 bar)
Flow Rate: 20 – 120 L/min
Manufacturer: PIUSI
Accuracy: +/- 2%
Outlet: 1" F BSPP
Suitable with: Diesel
Warranty: 1 year

Details:

- Suitable with diesel.
- Robust nutating disc flow meter. Aluminium housing.
- Adjustable calibration.
- Front face can be rotated in 90 degree increments.

Fill-Rite 806 1" Flow Meter - 3 Digit - c/w Strainer



Product Code: 806CL
Manufacturer: Tuthill Rill-Rite
Accuracy: +/- 2%
Badges: ATEX Certified
Flow Rate: 19 – 75L/min
Inlet: 1" F BSPT
Outlet: 1" F BSPT
Register: 3 digit / 6 digit
Totaliser: 3 digit / 6 digit
Maximum Pressure: 50psi (3.5 bar)
Warranty: 2 years
Suitable with: Diesel, Kerosene, Petrol

Details:

- Suitable with diesel or biodiesel up to B30 & petrol (ATEX certified).
- Robust nutating disc flow meter. Adjustable calibration.
- Aluminium housing & cover. Front face can be rotated in 90 degree increments.
- c/w 400 micron strainer.

Fill-Rite 901 1½" Flow Meter - 4 Digit – Standard

Product Code: 901.5AL
Inlet: 1 ½" F BSPT
Badges: ATEX Certified
Max. Pressure: 50 psi (3.5 bar)
Flow Rate: 25 – 150 L/min
Manufacturer: Tuthill Fill-Rite
Accuracy: +/- 2%
Outlet: 1 ½" F BSPT
Totalizer: 4 digits / 8 digits
Suitable with: Diesel, Kerosene, Petrol
Warranty: 2 years



Details:

- Choose with or without a 10:1 pulser fitted (not ATEX if fitted).
- Suitable with diesel petrol.
(901.5AL is ATEX certified).
- Robust nutating disc flow meter. Adjustable calibration.
- Aluminium housing.
- Front face can be rotated in 90 degree increments.
- 2 year warranty.

Macnaught Industrial Flow Meter

Product Code: MX P
Manufacturer: Macnaught
Flow Rate: 0.008 – 1200L/min
Accuracy: +/- 0.25%
Suitable with: Chemicals, Fuel, Oil, Water
Technology: Oval Gear
Ports: ¼", ½", ¾", 1", 1½", 2", 3"



FLOW METERS

Braun HZ3 1/4" Low Flow Meter for Heating Oil/Diesel



Product Code: OMO
Inlet: 1/4" F BSPP
Max. Pressure: 87 psi (6 bar)
Flow Rate: 0.18 – 12 L/hr
Manufacturer: BRAUN
Accuracy: +/- 0.5%
Outlet: 1/4" F BSPP
Totalizer: 5 digits
Suitable with: Diesel, Heating Oil.
Warranty: 1 year

Details:

- Suitable with heating oil, diesel
- Used by landlords to measure heating oil consumption.
- Works on both pressure & suction feed.
- If sited outside a weatherproof cover is needed. Pressure loss 0.05 – 0.1 bar.
- 4 position inlet/outlet feeds, 2 horizontal & 2 vertical.
- Must be installed upright position on gravity feed.
- Requires a minimum head of 300mm.
- European calibration approval No. D01/5.223.03.

Fuel Transfer Meters - Digital

Hytek Quality 1" Flow Meter for Diesel – Electronic



Product Code: FM12A
Manufacturer: PIUSI
Accuracy: +/- 2.5%
Badges: Hytek Quality
Flow Rate: 20 – 180L/min
Inlet: 1" F BSPP
Outlet: 1" F BSPP
Register: 5 digits / 5 digit
Maximum Pressure: 45psi (3 bar)
Warranty: 2 years
Suitable with: Diesel

Details:

- Suitable with diesel or biodiesel up to B30.
- Aluminium housing.
- Designed to fit in-line with delivery hose or pipework.
- Turbine flow meter.
- Weight: 660g.
- Operating temp: -10°C to 60°C.
- Powered by 2 x AAA batteries (approx. life 9000 hours).
- Dimensions: 102mm W x 60mm D x 54mm H.
- 2 year warranty.

Fuel Transfer Meters - Digital

Piusi K24 1" Flow Meter - ATEX Certified



Product Code: K24.ATEX
Manufacturer: PIUSI
Accuracy: +/- 1%
Badges: ATEX Certified, Made in Italy
Flow Rate: 7 – 120L/min
Inlet: 1" M/F BSPP
Inlet All: K24.ATEX
Max Pressure: 145psi (10 bar)
Outlet: 1" M/F BSPP
Register: 5 digit
Totaliser: 6 digit
Warranty: 1 year
Suitable with: Diesel, Kerosene, Petrol

Details:

- ATEX Certified for use with diesel, kerosene & petrol.
- Bi-directional aluminium body with polypropylene turbine.
- Designed to fit in line with the delivery hose or pipework.
- Powered by 2 x AAA batteries (approx. life 3 yrs).

Fill-Rite 1 1/2" Flow Meter for Diesel/Petrol – Standard



Product Code: 901.5D
Inlet: 1 1/2" F BSPT
Badges: ATEX Certified
Max. Pressure: 50psi (3.5 bar)
Flow Rate: 25 – 150L/min
Manufacturer: Tuthill Fill-Rite
Accuracy: +/- 1.25%
Outlet: 1 1/2" F BSPT
Suitable with: Diesel, Kerosene, Petrol
Warranty: 2 years

Port Option:

Standard
Pulser

Details:

- Choose with or without a 10:1 pulser fitted (Not ATEX if fitted).
- Suitable with diesel or biodiesel up to B30 & petrol (901.5D is ATEX certified).
- Robust nutating disc flow meter.
- Aluminium housing. Weight: 2.9kg.
- Must be calibrated on site before use.
- Low battery indicator. Powered by 2 x AA batteries. Memory back up.
- Enters sleep mode when not in use to increase battery life.
- Front face can be rotated in 90 degree increments.
- 2 year warranty

FLOW METERS

STANDARD DUTY BULK FLOW METERS

HR Rotary Meter - Mechanical Register



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Aluminium body, viton seals.
- Reading in litres
- Mechanical register.
- Pulsed output available
- Strainer recommended

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Register / Totaliser
HR 50 A MR A	2" mechanical meter	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	5 digit / 8 digit
HR 80 A MR A	3" mechanical meter	115 -1150L/min	+/- 0.25%	145psi (10 bar)	No	No	3" F BSPP	5 digit / 8 digit
HR 100 A MR A	4" mechanical meter	170 -1700L/min	+/- 0.25%	145psi (10 bar)	No	No	4" F BSPP	5 digit / 8 digit

HR Rotary Meter - Register, Strainer & Air Eliminator



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Aluminium body, viton seals.
- Reading in litres
- Mechanical register.
- Pulsed output available
- Strainer & air eliminator recommended

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Register / Totaliser
HR 50 A MR C	2" pulse meter - strainer & air eliminator	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	5 digit / 8 digit
HR 80 A MR C	3" pulse meter - strainer & air eliminator	115 -1150L/min	+/- 0.25%	145psi (10 bar)	No	No	3" F BSPP	5 digit / 8 digit
HR 100 A MR C	4" pulse meter - strainer & air eliminator	170 -1700L/min	+/- 0.25%	145psi (10 bar)	No	No	4" F BSPP	5 digit / 8 digit

HR Electronic Rotary Flow Meter



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Aluminium body, viton seals.
- Reading in litres
- Electronic Veeder-Root EMR3 register & IB box.
- 12/24V DC power supply required.
- Strainer recommended

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Register / Totaliser
HR 50 A ER A	2" pulse meter	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	6 digit / 8 digit
HR 80 A ER A	3" pulse meter	115 -1150L/min	+/- 0.25%	145psi (10 bar)	No	No	3" F BSPP	6 digit / 8 digit
HR 100 A ER A	4" pulse meter	170 -1700L/min	+/- 0.25%	145psi (10 bar)	No	No	4" F BSPP	6 digit / 8 digit

STANDARD DUTY BULK FLOW METERS

HR Electronic Flow Meters - Strainer & Air Eliminator



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Aluminium body, viton seals.
- Reading in litres
- Electronic Veeder-Root EMR3 register & IB box
- 12/24V DC power supply required.
- Strainer & air eliminator included

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Register / Totaliser
HR 50 A ER C	2" elec. meter - strainer & air eliminator	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	6 digit / 8 digit
HR 80 A ER C	3" elec. meter - strainer & air eliminator	115 -1150L/min	+/- 0.25%	145psi (10 bar)	No	No	3" F BSPP	6 digit / 8 digit
HR 100 A ER C	4" elec. meter - strainer & air eliminator	170 -1700L/min	+/- 0.25%	145psi (10 bar)	No	No	4" F BSPP	6 digit / 8 digit

HR Rotary Pulse Meter



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Aluminium body, viton seals.
- Square wave pulsed output
- 5V DC power supply required
- Strainer recommended

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Output
HR 50 A PX P	2" pulse meter	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	5V DC square wave pulse
HR 80 A PX P	3" pulse meter	115 -1150L/min	+/- 0.25%	145psi (10 bar)	No	No	3" F BSPP	5V DC square wave pulse
HR 100 A PX P	4" pulse meter	170 -1700L/min	+/- 0.25%	145psi (10 bar)	No	No	4" F BSPP	5V DC square wave pulse

STANDARD DUTY BULK FLOW METERS

HR Rotary Pulse Meter - Strainer & Air Eliminator



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Aluminium body, viton seals.
- Square wave pulsed output
- 5V DC power supply required
- Strainer & air eliminator included

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Output
HR 50 A PX R	2" pulse meter - strainer & air eliminator	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	5V DC square wave pulse
HR 80 A PX R	3" pulse meter - strainer & air eliminator	115 -1150L/min	+/- 0.25%	145psi (10 bar)	No	No	3" F BSPP	5V DC square wave pulse
HR 100 A PX R	4" pulse meter - strainer & air eliminator	170 -1700L/min	+/- 0.25%	145psi (10 bar)	No	No	4" F BSPP	5V DC square wave pulse

STAINLESS STEEL BULK METERS

HR Rotary Mechanical Meter - Stainless Steel



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Stainless steel body, PTFE seals.
- Reading in litres
- Mechanical register
- Pulsed output available
- Strainer recommended

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Register / Totaliser
HR 50 S MR A	2" mechanical meter	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	5 digit / 8 digit

HR Rotary Pulse Meter - Stainless Steel



- Positive displacement rotary design
- Low maintenance
- No metal to metal contact
- Stainless steel body, PTFE seals.
- Square wave pulsed output
- 5V DC power supply required
- Strainer recommended

Stk Code	Description	Flow Rate	Accuracy	Max Pressure	ATEX	MID	Ports	Register / Totaliser
HR 50 S PX P	2" pulse meter	55 -550L/min	+/- 0.25%	145psi (10 bar)	No	No	2" F BSPP	5V DC square wave pulse

Meter Accessories

Veeder-Root 1871 Pulse Transmitter - Reed Switch



Product Code: VR 1871
Badges: ATEX Certified
Output: Reed Switch

Resolution:
10 pulses per resolution
100 pulses per revolution

Details:

- Suitable for use with VR 7887 mechanical register.
- ATEX approved.
- Solid state or reed switch option.
- Industry standard.
- Rugged construction.

Veeder-Root Electronic Register



Product Code: EMR3

Description Option:
Electronic Register
Interconnect box

Details:

- EMR3 Electronic register.
- Industry standard mounting.
- ATEX approved.
- Totaliser & preset all in one display.
- Robust construction.
- Interconnect box (IB) required.

H Series 2" Strainer



Product Code: HS 50 A
Max Pressure: 145psi (10 bar)

Description
2" Strainer; 3" Strainer; 4" Strainer

Details:

- Aluminium housing.
- Stainless steel basket.
- F BSP connections.

H Series 2" Electronic Preset Valve

Product Code: HV 50 EV
Max Pressure: 145psi (10 bar)
Flow Rate: 50 – 380L/min

Flow Rate Options:
50 – 380L/min
50 – 750L/min

Details:

- Electronically actuated.
- Two stage operation.
- ASA 150 flanged connections.
- Stainless steel construction.
- 220V AC 50 Hz.



H Series 2" Air Check Valve

Product Code: HC 50 A
Max Pressure: 145psi (10 bar)

Ports:
3" F BSPP Companion flange
2" F BSPP Companion flange

Details:

- Mechanical operation.
- F BSPP companion flange connections.
- Aluminium construction.
- Prevents flow of liquid when air is present.
- Ensures accurate measurement.



Veeder-Root 7856 Electrical Knock Off Switch

Product Code: VR 7856

Details:

- Suitable for use with VR 7889 mechanical preset.
- ATEX approved.
- Provides two stage shut-off.
- Industry standard.
- Rugged construction.



Meter Accessories

H Series 2" Preset Valve



Product Code: HV 50 A MV
Max Pressure: 145psi (10 bar)

Ports:

2" ASA 150 Flanges
3" F BSPP companion flange
4" F BSPP Companion flange

Details:

- Mechanically actuated.
- Two stage operation.
- F BSPP companion flange connections.
- Aluminium construction.
- Stainless steel & PTFE options available.

H Series 2" Air Eliminator



Product Code: HS 50 A
MaX Pressure: 145psi (10 bar)

Description:

2" air eliminator
3" air eliminator
4" air eliminator

Details:

- Aluminium housing.
- Stainless steel basket.
- F BSP connections.

Counter, printer, preset assembly (no image)

Product Code: VR CPP

Description:

Large numerical counter
Counter and printer
Push button preset
Counter, printer, preset assembly

Details:

- Industry standard modular mechanical register stack.
- Three component assembly.
- Mechanical ticket printer.
- Mechanical register.
- Mechanical preset.
- Available complete or as individual components.
- Robust construction.

Electronic Totalisers & Batch Controllers

Contrec 100 Series

Product Code: CD 100 S
Manufacturer: Contrec
Flow Rate: Yes
Output: Relay



Details:

- 7 digit batch total.
- 5 digit preset.
- 2 alarm/relay outputs.
- Robust polycarbonate/ABS IP67 watertight enclosure.
- Battery, loop or DC powered.
- Temperature limits -20°C to 60°C.

Contrec 400 Series Batch Controller

Product Code: CD 400 S
Manufacturer: Contrec
Flow Rate: Yes
Output: Relay



Details:

- 6 digit batch total.
- AC or DC powered
- Pulse output.
- 2 alarm/relay outputs.
- Robust IP67 panel mount.
- Remote start/stop.
- Battery, loop or DC powered.
- Temperature limits 0°C to 55°C.

Contrec 200 Series

Product Code: CD 200 S
Manufacturer: Contrec
Flow Rate: Yes
Output: Relay



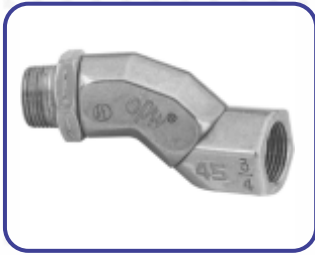
Details:

- 7 digit batch total.
- 5 digit preset.
- 2 alarm/relay outputs.
- Robust polycarbonate/ABS IP67 watertight enclosure.
- Battery, loop or DC powered.
- Temperature limits -20°C to 60°C.
- ATEX class 1, zone 1 approved.

SWIVELS & BREAKAWAYS

Multi-plane Swivels

OPW 45 Hose Swivel



Product Code: 45-5060, 45-5075
 Max Pressure: 50psi (3.45 bar)
 Inlet Size: 3/4" M NPT, 1" M NPT
 Outlet Size: 3/4" F NPT, 1" M NPT
 Weight: 3/4" - .65 lbs. (.30 kg),
 1" - 1.16 lbs. (.53 kg)
 Suitable with: Gasoline, Diesel.

Features

UL and ULC listed for use in gasoline, diesel.
 Secure design not repairable or rebuildable for certainty of operation.
 Factory assembled and tested.
 Better flow performance - less restriction means higher refueling speeds.
 Unique two planes of rotation for easy nozzle positioning and hose life.

OPW 20S Hose Swivel



Product Code: 20S-7575, 20S-1010
 Max Pressure: 50psi (3.45 bar)
 Inlet Size: 3/4" M NPT, 1" M NPT
 Outlet Size: 3/4" F NPT, 1" M NPT
 Weight: 3/4" - 70 lbs. (.32 kg),
 1" - 1.20 lbs. (.54 kg) each
 Suitable with: Gasoline, Diesel.

Features

UL and ULC listed for use in gasoline, diesel, and up to 10% ethanol blends.
 Secure design - not repairable or rebuildable for certainty of operation.
 Factory assembled and tested.
 Better flow performance - less restriction means higher refueling speeds.
 Hi-grade seals for added protection against cold temperature and chemical degradation.

OPW 241TPS Hose Swivels



Product Code: 241TPS
 Max Pressure: 50psi (3.45 bar)
 Inlet Size: 3/4" M NPT, 1" M NPT
 Outlet Size: 3/4" F NPT, 1" M NPT
 Weight: 3/4" - .65 lbs. (.30 kg),
 1" - 1.55 lbs. (.703 kg)
 Packed: 60 per case
 Suitable with: Gasoline, Diesel.

Features

UL and ULC listed for use in gasoline, diesel, and up to 10% ethanol blends.
 Secure design - not repairable or rebuildable for certainty of operation.
 Every OPW 20S is factory assembled and tested.
 Better flow performance - less restriction means higher refueling speeds.
 Hi-grade seals for added protection against cold temperature and chemical degradation.

Single Hose Swivels

OPW 36S Hose Swivel



Product Code: 36S-5080, 36S-5090
 Max Pressure: 50psi (3.45 bar)
 Inlet Size: 3/4" M NPT, 1" M NPT
 Weight: 3/4" - 0.30 lbs. (.14 kg),
 1" - 0.40 lbs. (.18 kg)

Details:

Designed for use with fuel oil nozzles (at inlet only), the OPW 36S provides 360° swivel action. The full-circle swivel reduces the physical strain of aligning the nozzle with the fillpipe.

OPW 25 Hose Swivel



Product Code: 25-0110, 25-0120
 Inlet Thread: 1 - 1/4", 1 - 1/2"
 Weight: 0.95 lbs (0.43kg),
 1.061bs (0.48kg)
 Body: Electroless nickel-plated
 Bearings: Molded plastic

Details:

Designed for use with fuel oil nozzles (at inlet only), the OPW 25 provides 360° swivel action. The full-circle swivel reduces the physical strain of aligning the nozzle with the fillpipe.

Swivel Breakaway Combo

OPW 66SB Swivel Breakaway



Product Code: 66SB-7575, 66SB-1010
 Max Pressure: 50psi (3.45 bar)
 Inlet Size: 3/4" M NPT, 1" M NPT
 Outlet Size: 3/4" F NPT, 1" M NPT
 Packed: 20 per case

Features & Benefits

- UL and ULC listed for use in gasoline, diesel.
- Easily Reconnected at Waist Height - after relieving line pressure, simply push coupling halves together until latched. Reconnection force is approximately 15 lbs.
- Protected Coupling and Poppet - the breakaway's poppet and sealing surface are protected from impact during separation by a plastic sleeve.
- Reduces Connections - the single-unit design replaces the standard swivel, breakaway and whip hose, eliminating possible leak points.
- Double O-Ring Seal - both swivel joints are protected by a double O-Ring design.

SWIVELS & BREAKAWAYS

Swivel Breakaway Combo

2 in. Single-Plane Hose Swivel



Product Code: 2-0055
 Body: Brass
 Seal: Buna-N O-Rings

Details:

Durable brass construction with high flow rate

Breakaways - One-time Use

OPW 66V Series Breakaways



Product Code: 66V-0300, 66V-1300
 Max Pressure: 50psi (3.45 bar)
 Inlet Size: 3/4" M NPT, 1" M NPT
 Outlet Size: 3/4" F NPT, 1" M NPT
 Weight: 3/4" - .60 lbs. (.27 kg),
 1" - .98 lbs. (.45 kg)
 Suitable with: Gasoline, Diesel.

Features

Prevents Costly Damage to Dispensers – Pulls apart at less the designed pull force during drive-offs.

Certainty of Operation – Designed for single use, so you know it is replaced instead of re-assembled.

Prevents Hazardous and Costly Clean Up – Unique double poppet design closes leak path from both dispenser and separated hose side.

OPW 66SP High-Volume Breakaways



Product Code: 66SP-5150, 66SP-5200
 Max Pressure: 50psi (3.45 bar)
 Weight: 66SP-5150: 1.93 lbs. (.87 kg);
 66SP-5200: 3.80 lbs. (1.72 kg)
 Suitable with: Gasoline, Diesel.

Features

Pull Force - the 66SP will separate with a maximum pull force of 600 lbs., and limits fuel spillage from either hose end.

Easily Repaired.

Heavy-Duty Construction - physically designed for durability in high-volume environments, including a protective, red, anodized-aluminum body.

Low Pressure Drop - valve design ensures superior flow rate for high-volume fills.

Special Seals - special fluorosilicone (66SP-5200 only) O-Rings help protect the valve in harsh, high-volume environments.

OPW 66V Series Breakaways

Product Code: 66V-0492
 Max. Pressure: 50 psi (3.45 bar)
 Inlet/Outlet: 3/4" F x 3/4" F (NPT)
 Weight: 0.60 lbs., 0.27 kg



Breakaways - One-time Use

OPW 68EZR 3/4" Dry Reconnectable Breakaway

Product Code: 68EZR-7575
 Max. Pressure: 50 psi (3.45 bar)
 Inlet Size: 3/4" (NPT)
 Packed: 20 per case
 Weight: 1.2 lbs (0.54 kg);



Features

Pull Force – the 68EZR will break away with a pull force of no more than 350 lbs.

Unique Double-Poppet Design – features low pressure drop.

Coupling Halves – protected by proven plastic sleeves.

Easily Reconnected – features "Push-Twist-Click" technology;

Cold weather compatible

Line Shock – the OPW 68EZR is able to absorb the effects of normal line shock through the unique design of the disconnecting features.

OPW 66REC 3/4" Dry Reconnectable Breakaway

Product Code: 66REC-1000
 Max. Pressure: 50 psi (3.45 bar)
 Inlet Size: 3/4" (NPT)
 Weight: 1.2 lbs (0.54 kg)
 Packed: 20 per Case



OPW 66RB 1" Reconnectable Breakaway

Product Code: 66RB-2000
 Max. Pressure: 50 psi (3.45 bar)
 Inlet Size: 1" (NPT)
 Weight: 1.14 lbs (0.52 kg)



Features

Allows for easy nozzle positioning in fill pipes – Utilizing two planes of rotation.

Reduces premature hose wear – Utilizing two planes of rotation.

Added protection vs. thermal and chemical degradation – Dual Seals

Test Measuring Can

Test Measure Can - Stainless Steel



Product Code: TM20A
Capacity: 5 litres - 20 litres
Suitable with: Petrol, Diesel
Warranty: 1 year

Details:

Provides a calibrated measure for testing the accuracy of fuel dispensing equipment. Stainless steel construction. Suitable for use with diesel & petrol. Filling the measure to the "zero" mark will ensure an accurate 20 litres has been dispensed allowing the dispenser to be calibrated accordingly. Full range of spares available on request.

Consumables

Fuel Finding Paste - 62g

Product Code: FFP
Size: 62g
Warranty: 1 year
Suitable with: Diesel, Heating Oil, Kerosene, Petrol



Details:

Detects the presence of diesel, petrol, kerosene & crude oil, eases dipstick reading. Paste turns from pink to red when in contact with fuel.

Permabond A131 Pipe Thread Sealant

Product Code: A131.L
Size: 200ml
Capacity: 5 litres
Warranty: 1 year
Suitable with: Air, Diesel, Kerosene, Oil, Petrol, Water



Details:

A high performance pipe thread sealant. Suitable with diesel, oil, petrol, air & water. Supplied in tube with nozzle applicator. Easy to apply, prevents unnecessary wastage. Water washable before setting makes it very clean to use. Fast acting, will withstand 50 psi (3 bar) after 1 hour.

Loxeal 18-10 Liquid Teflon Pipe Thread Sealant - 250ml

Product Code: LOX1810
Size: 250ml
Capacity: 5 litres
Warranty: 1 year
Suitable with: Air, Diesel, Kerosene, Oil, Petrol



Details:

Anaerobic adhesive for sealing of metal thread pipe joints. Suitable with gas, LP gas, compressed air, petrol, oil, industrial fluids, CFC, potable water & several chemicals. Low friction coefficient makes joint assembly easy. Ideal to replace PTFE tape. Temp range -55°C to +150°C. Easy to disassemble joints if required in future years.

Water Finding Paste - 90g

Product Code: WFP
Size: 90g
Warranty: 1 year
Suitable with: Diesel, Heating Oil, Kerosene, Petrol



Details:

Detects the presence of water in tanks, smear onto dipstick & leave in fuel. Paste turns from dark brown to bright red on contact with water. For use with petrol & diesel.

Terostat PU92 Fuel Resistant Adhesive/Mastic

Product Code: LOC.5220
Size: 300ml
Warranty: 1 year
Suitable with: Diesel, Oil, Kerosene, Petrol, Water



Details:

- Flexible adhesive for bonding or gap filling.
- Resistant to diesel, oils, petrol & water.
- Tack free in 40 to 60 minutes.
- Supplied in 300ml standard mastic cartridges.
- Not to be used as a thread sealant.

FILTERS & STRAINERS

Particle-Only Filters

PetroClear 40530P Particulate Filter



Product Code: 40530PAD
 Filter Type: Spin-On
 Flow Rate: 25 gpm (94.6 lpm)
 Flow: 3/4" flow
 Height: 5.36"
 Micron: 30 micron (normal)
 Collapse Pressure: 150psid (10.3 bar)
 Max. Operating Pres.: 50psid (3.4 bar)
 Suitable with: Gasoline, Diesel, Kero
 Warranty: 1 year

Details:

Designed to remove particulate from neat gasoline, kerosene and fuel oils. These filters are designed for particulate removal only and WILL NOT REACT TO WATER IN FUELS TO SLOW FLOW.

Textured paint coating helps ensure a simple, mess-free installation and removal process.

UL® recognized

Cim-Tek CT70345 Fuel Bowser Particle Element



Product Code: CT70345
 Max Flow: 150L/min
 Max Pressure: 100psi (6.9 bar)
 Micron: 14
 Suitable with: Diesel
 Warranty: 1 year

Details:

- Fitted to some fuel bowzers. For use with pumps only.
- We offer the replacement element only (not the head/kit).
- High capacity pump element (similar in size to 800 series).
- Suitable with Diesel & Lubricating Oils.
- Removes particles only. (Element part ref: CT70345)
- Replacement head **Cim-Tek 41 series** (not available to UK spec).

Pump Filter Cartridges - Particle Only



Product Code: AS-310/90
 Inlet: 1" F BSPP
 Max Flow: 90L/min
 Max Pressure: 50psi (3.4 bar)
 Manufacturer: Cim-Tek
 Outlet: 1" F BSPP
 Micron: 25micron, 10 micron
 Suitable with: Diesel, Petrol
 Warranty: 1 year

Details:

- Ideal to replace filter cartridges in petrol station pumps.
- Removes particles only.
- Choose between 25 & 10 micron.

Cim-Tek 50L/min Pump Fuel Filter - Particle Only



Product Code: PART.KITS
 Inlet: 1" F BSPP
 Max Flow: 50L/min - 80L/min
 Max Pressure: 50psi (3.4 bar)
 Micron: 10
 Outlet: 1" F BSPP
 Suitable with: Diesel
 Warranty: 1 year

Details:

- Suitable with diesel. Removes particles only.
- Fits on the outlet side only. For use with pumps only.
- Aluminium head with disposable spin on filter element.
- Replacement head Cim-Tek 260 series (HYD.HDF).

Cim-Tek Particulate Filter Element



Product Code: CT70012
 Max Flow: 50L/min - 80L/min
 Max Pressure: 50psi (3.4 bar)
 Micron: 10micron, 30micron
 Suitable with: Diesel
 Warranty: 1 year

Details:

- For use with pumps only, idea for petrol station pumps. Removes particles only.
- Aluminium head.
- For use with: Gilbarco & Dresser Wayne.

FILTERS & STRAINERS

Water & Particle Filters

Cim-Tek Ultra High Capacity 150L/min Filter - Water & Particle



Product Code:HYD.PKUC
 Inlet: 1 1/2" F BSPP
 Max Flow: 150L/min
 Max Pressure: 50psi (3.4 bar)
 Outlet: 1 1/2" F BSPP
 Micron: 30micron, 10micron
 Suitable with: Diesel
 Warranty: 1 year

Details:

For ultra high speed applications up to 150L/min.
 Removes Water & Particles .
 Suitable with diesel.
 Fits on outlet side only. For use with pumps only.
 Aluminium head with disposable spin on filter element.

Cim-Tek Water & Particle Element



Product Code:HYD.EL10800
 Max Flow: 70L/min - 120L/min
 Max Pressure: 50psi (3.4 bar)
 Micron: 10micron, 30micron
 Suitable with: Diesel
 Warranty: 1 year

Details:

Water & Particle Element
 10 Micron

Cim-Tek Compact 80L/min Gravity/Pump Fuel Filter - Water & Particle



Product Code:HYD.GK10S
 Inlet: 1" F BSPP
 Max Flow: 80L/min - 100L/min
 Max Pressure: 50psi (3.4 bar)
 Outlet: 1" F BSPP
 Micron: 10micron, 30micron
 Suitable with: Diesel
 Warranty: 1 year

Details:

Suitable with diesel. Removes water & particles.
 Short design makes it ideal to fit in tight spaces/tank cabinets.
 Fits on outlet side only. For gravity feed tanks or pumps.
 Aluminium head with disposable spin on filter element.
 Replacement head Cim-Tek 400 series (HYDRA.HSHD).

Cim-Tek Gravity/Pump Filter Element Only - Water & Particle



Product Code: GRAV.EL2
 Max Flow: 65L/min
 Max Pressure: 50psi (3.4 bar)
 Manufacturer: Cim-Tek
 Micron: 30
 Suitable with: Diesel
 Warranty: 1 year

Details:

Fitted to some existing gravity feed installations.
 We offer the replacement element only (not the head/kit).
 The head is no longer manufactured.
 Suitable with diesel.
 Removes water & particles.

Cim-Tek High Capacity 110L/min Pump Fuel Filter - Water & Particle - 30 Micron



Product Code:HYD.PKHC
 Inlet: 1" F BSPP
 Max Flow: 110L/min - 120L/min
 Max Pressure: 50psi (3.4 bar)
 Outlet: 1" F BSPP
 Micron: 30micron, 10micron
 Suitable with: Diesel
 Warranty: 1 year

Details:

Suitable with diesel. Removes water & particles.
 Fits on outlet side only. For use with pumps only.
 Aluminium head with disposable spin on filter element.
 Replacement head Cim-Tek 800 series (HYD.HDA800).

Cim-Tek 70L/min Pump Fuel Filter - Water & Particle



Product Code:HYD.PKIT
 Inlet: 1" F BSPP
 Max Flow: 70L/min
 Max Pressure: 50psi (3.4 bar)
 Outlet: 1" F BSPP
 Micron: 30micron, 10micron
 Suitable with: Diesel
 Warranty: 1 year

Details:

- Suitable with diesel. Removes water & particles.
- Fits on outlet side only. For use with pumps only.
- Aluminium head with disposable spin on filter element.
- Replacement head Cim-Tek 260 series (HYD.HDF).

FILTERS & STRAINERS

Water & Particle Filters

Cim-Tek CT70060 Water & Particle Compact Filter Element - 10 Micron



Product Code: HYD.ELG10S
Max Flow: 80L/min
Max Pressure: 50psi (3.4 bar)
Micron: 10
Suitable with: Diesel
Warranty: 1 year

Details:

Cim-Tek CT70060 Water & Particle Compact Filter Element
10 Micron

150L/min Filter Head 1½" F BSPP



Product Code: HYD-HDA800U
Inlet: 1 1/2" F BSPP
Max Flow: 110L/min
Max Pressure: 50psi (3.4 bar)
Manufacturer: Cim-Tek
Micron: 10
Outlet: 1 1/2" F BSPP
Suitable with: B100, Diesel
Warranty: 1 year

Details:

- 150L/min Filter Head 1½" F BSPP

Foot Valves & Strainers

Y Type Strainer - Brass - 1"



Product Code: YSTR.1
Inlet: 1" F BSPP
Outlet: 1" F BSPP
Micron: 250
Suitable with: Diesel, Water
Warranty: 1 year

Details:

- Choose from a range of sizes.
- Suitable with diesel, biodiesel up to B30 or water.
- Inlet/outlet in direct line, threaded F BSPP.
- Brass body with stainless steel strainer mesh.

Foot Valves & Strainers

Foot Valve & Strainer – Thermoplastic

Product Code: FOOT.1ABP
Inlet: 1" F BSPP
Outlet: 1" F BSPP
Micron: 1000
Suitable with: Diesel, Water
Warranty: 1 year



Details:

- Suitable with AdBlue®, diesel, oil & water.
- Combined foot valve & strainer.
- Stainless steel strainer with a thermoplastic body.
- Spring loaded valve poppet.
- Strainer can be removed to use as a 1" F BSPP check valve.

Foot Valve & Strainer – Brass

Product Code: FOOT.1A
Inlet: 1" F BSPP
Outlet: 1" F BSPP
Micron: 1000
Suitable with: Diesel, Water
Warranty: 1 year



Details:

- Suitable with diesel, biodiesel up to B30 or water.
- Combined foot valve & strainer.
- Brass body with a steel strainer.
- Spring loaded valve poppet.
- Box quantity 10.

FITTINGS & VALVES

Galvanised Fittings

Reducing Bush Product Code:  Thread sizes: 1 1/2" M x 1" F BSPT 2" M x 1" BSPT 2" M x 1 1/2" F BSPT	Hexagon Nipple Product Code:  Thread sizes: 1" M BSPT 1 1/2" M BSPT 2" M BSPT	Barrel Nipple Product Code:  Thread sizes: 1" M BSPT 1 1/2" M BSPT 2" M BSPT 3" M BSPT	Galvanised Fitting - Union Product Code:  Thread sizes: 1" F x F BSPT; 1" M x F BSPT 1 1/2" F x F BSPT; 1 1/2" M x F BSPT 2" F x F BSPT
U Bolt Product Code:  Thread Sizes: 1 1/2" 2"	Socket - F BSPP Product Code:  Thread sizes: 1" F BSPP 1 1/2" F BSPP 2" F BSPP	Equal Tee Product Code:  Thread Sizes: 1" F BSPT 1 1/2" F BSPT 2" F BSPT	Galvanised Fitting - Cap Product Code:  Thread sizes: 1" F BSPP 1 1/2" F BSPP 2" F BSPP
90° Elbows Product Code:  Thread Sizes: 1" M x F BSPT; 1" F x F BSPT 1 1/2" M x F BSPT; 1 1/2" F x F BSPT 2" M x F BSPT; 2" F x F BSPT	Connector Product Code:  Thread Sizes: 1 1/2" M x F BSPT	Pipe Clip - single ring Product Code:  Thread sizes: 1 1/2" single ring 2" single ring	Plate for Pipe Clips Product Code:  M10 Studding (1m Length) Product Code: 
Warranty: 1 year Suitable with: Diesel, Oil, Petrol, Kerosene			

FITTINGS & VALVES

Valves

Double Poppet Under Pump Shear Valve



Product Code: SVDPA
Warranty: 1 year
1½" F BSPT inlet/outlet c/w u bolt
Suitable with: Diesel, Kerosene

Details:

- A double poppet shear valve for use on pressure systems.
- Shears in the event of accidental damage to the dispenser.
- Mounts underneath the fuel dispenser.
- In the event of a shear both halves close to prevent leakage.
- Has a fusible link which shuts the valve in the event of a fire.
- Access port for line testing.
- Master carton box quantity 6.

Under Pump Valve – Aluminium



Product Code: UPV.1A
Warranty: 1 year
Suitable with: Diesel, Kerosene, Petrol

Details:

- Under pump check valve with anodized aluminium body.
- Triangular flange design compatible with flexible connectors.
- Slim construction only 33mm thick.
- Flush design enables it to slide in & out for maintenance.
- The side port enables the valve to be opened for draining fuel back to the tank before breaking open the pipework.

Hytek Angle Check Valve for Diesel - 1½" F BSPT



Product Code: ACV.1N
Warranty: 1 year
Suitable with: Diesel

Ports:
1½" F BSPT
2" F BSPT

Details:

- Choose between 1½" or 2".
- Fitted in pump suction lines to prevent line drainage/loss of prime.
- Suitable with diesel & biodiesel up to B30 (nitrile seals).
- Range of pressure springs available to prevent fuel loss on above ground storage tanks.

Pressure Springs for Angle-Inline Check Valve for Diesel/Petrol

Product Code: ICV.1
Warranty: 1 year
Suitable with: Diesel, Petrol



PSI	Ports:
3 psi Red	1½" F BSPT
4 psi Black	2" F BSPT
5 psi Green	
6 psi Blue	

Details:

- Choose between 1½" or 2".
- Fitted in pump suction lines to prevent line drainage/loss of prime.
- Suitable for use with petrol & diesel (viton seals).
- Range of pressure springs available to prevent fuel loss on above ground storage tanks.

To choose the correct spring pressure (psi), measure from ground level to the top of the tank (ft).

- 6ft = 3 psi (ACV.3)
- 8ft = 4 psi (ACV.4)
- 10ft = 5 psi (ACV.5)
- 12ft = 6 psi (ACV.6)

Under Pump Valve - Aluminium - No Filter

Product Code: TUSON
Warranty: 1 year
Suitable with: Diesel, Kerosene, Petrol



Options:

- With Filter
- Without Filter

Details:

- Choose valve with or without filter.
- Under pump valve with aluminium body.
- Simple low cost under pump check valve.
- 11mm diameter clearance holes for mounting.
- Triangular flange format matched pump inlets & flexis.

Spare Filter for TUSON.F

Product Code: TUSON.SF
Badges: Made in UK
Warranty: 1 year
Suitable with: Diesel, Petrol
Details:
- Spare Filter for TUSON.F



FUEL TRANSFER PUMPS

Centrifugal Pumps

END SUCTION NORM CENTRIFUGAL PUMPS



Operating Pressure: 10 bar
Operating Temperature (°C): - 20 – 110
Head Range: 4 – 105
Capacity Range (m³/h): 5 – 3500
Motor Speed Range (d/d): 1000 – 3600
Suction Flange: DN 50 – DN 400
Discharge Flange: DN 32 – DN 350

Design:

- Single stage, end suction, centrifugal pump.
- Main dimensions, compatible with EN 733 (DIN 24255) norm.
- A total of 48 designed pumps available in the series.
- Single suction with closed impeller, and thrust balanced by means of counter-balancing holes and back wear rings, thus acquiring a dynamic balance.
- The pump and the motor have a standard connection to the common base plate with a flexible coupling.
- Maintenance and repair procedures are easily carried out since the pump fixtures can be removed with the volute body remaining intact.
- Use of extended coupling also enables the removal of the pump fixtures without moving the motor or the volute body.
- The series has been designed so that parts are easily replaced and standardized.
- The entire series is made up of only 6 bearings and 10 shaft types, thus simplifying spare parts procurement.

Submersible Turbine Pump



RED JACKET SUBMERSIBLE TURBINE PUMP

Product Code:

Manufacturer: Gilbarco Veeder-Root

Siphon Port: 2 available, 1/4" NPT, Vacuums. Generated up to 25 in Hg

Fuel Compatibility: Diesel, 100% Gasoline, 80% gasoline with 20% TAME, ETBE or MTBE, Gasoline with upto 15% Ethanol or Methanol

Line Pressure Port: 1 Available, 1/4" NPT

Vent Port: 1 Available, 1/4" NPT

Agency Listing: UL, cUL, ATEX EN15268 Certified

4" Horsepowers Available:

3/4 HP, 60 Hz, 1-phase

1 1/2 HP, 60Hz, 1-phase

1 1/2 HP, 50 Hz, 1-phase or 3-phase

X3, 60 Hz, 1-phase

X4, 50Hz, 1 phase or 3-phase

2 HP, 60 Hz, 1-phase

Features:

- Superior motor design delivers higher flow rates, lower power consumption, and increased safety and reliability.
- Advanced packer manifold delivers automatic fuel drain, electrical disconnect, and reduced lifting force for increased site and environmental safety.
- Built-in isolated contractor's box for quicker and safer installation.
- Automatic electrical disconnect offers increased safety.
- Check valve and manifold design for easier line tests & servicing.
- AG Model available for biofuel applications.

Float Switches

NIVOFLOAT

Switch Rating: 250V AC, 3A
Medium Temperature: 0°C ... +50°C
Cable Length: Max 20m
Medium Pressure: Max. 2 bar
Protection: IP 68

Features :

Operation without power supply
Low cost polypropylene level switch
Hermetically moulded, double chamber
Mercury free operated micro switch
PVC or NEOPREN cable
Adjustable switch differential
Low specific weight of the floating body

Applications :

Level switch from drinking water to sewage
Suitable also for tanks and basins
Fail-safe indication and pump control
For overflow protection



Level Switches

NIVOCONT K

Specifications

Switch rating: 250 V AC, 16 A or 8 A
Power supply (unit): 24–240 V AC/DC
Ambient temperature: -20°C ... +50°C
Medium temperature: up to 200 °C
Medium pressure: max. 16 bar
Process connection: 3/8", 1 1/2" BSP
Protection: IP65, IP20

Features:

Low cost level switch
Limit switch or differential switch versions
Adjustable sensitivity
Adjustable time delay
High or low fail-safe mode
All wetted parts stainless steel
Compact unit with two independent relays
Separate probe and relay unit
Rod probes up to 3 m

Applications:

Conductive liquids with min. 1×10^{-5} S/cm conductivity
Fail-safe indication and pump control
Chemical and water industry
Water intrush indicator



NIVOCONT R

Features:

No moving parts
Self-cleaning for most media
Stainless steel vibrating section
Solid rod or flexible cable extension up to 20 m
Plastic or aluminium housing
Selectable density
High or low fail-safe mode
Selectable switching delay
Dust-Ex models

Applications:

Almost any granular material and powder with min. 0.05 kg/dm³ bulk density
Grain, flour, plastic granules, cement, fly ash, etc

Specifications:

Power supply: 20 – 255 V AC/DC
Ambient temperature: -30°C ... +60°C
Medium temperature: -30°C .. +160°C
Pressure: max. 25 bar
Process connection: 1 1/2" BSP/NPT
Output: relay (SPDT) or electronic switch (SPST)
Protection: IP67
Ex marking: ATEX II 1/2 D ta/tb IIIC T90°C...T170°C Da/Db



NIVOPOINT - (Magnetic Tracking)

Specifications:

Switch rating: 250 V AC, 3A / reed relay, max. 9A
Ambient temperature: -40°C ... +100°C
Medium temperature: -40°C ... +150°C
Medium pressure: max. 25 bar
Process connection: 1", 2" BSP/NPT or flanges
Protection: IP65, IP68
Ex marking: II 2 G EEx d IIC T3...T6 (TÜV)
Approvals: Bureau Veritas (BV) only for Mini type (MZ-100) instruments

Features:

Operation without power supply
Reed switches separated from process
Wetted parts stainless steel or plastic
Up to 5 switch points
Vertical adjustability of all switch points
Various process connections
Explosion-proof models

Applications:

Liquids with min. 0.5 kg/dm³ or 0.8 kg/dm³ density
Multi-point level switch in closed tanks
Chemicals with dense vapour or gas layer above the surface
Foaming liquids



Level Switches

NIVOMAG – (Magnetic Coupling)

Specifications:

Switch rating: 250 V AC, 10 A NO/NC
Ambient temperature: -20 °C to +80 °C
Medium temperature: -40°C ... +250°C
Medium pressure: max. 25 bar
Process connection: 2" BSP/NPT, flange
Ingress protection: IP65/IP68
Ex marking: ATEX II 1/2 G Ex d e mb IIC T6 ... T2 Ga/Gb
Certificates: SIL1 Safety Integrity Level

Features:

Operation without power supply
Micro-switch separated from process
All wetted parts stainless steel
Side or top mounting
Fixed or adjustable switch differential
Submersible versions
Various process connections
Operational check via optional tester
Explosion-proof models
SIL1 Safety Integrity Level
Marine approvals

Applications:

Liquids with min. 0.7 kg/dm³ density
Fail-safe and control level switches in closed tanks
Power stations, chemical, petrochemical and pharmaceutical industry
Supplementary fail safe switch if combined with other devices
Balance tanks on ships



Selectable density
High or low fail-safe mode
Plastic, aluminium or stainless steel housing
Dust-Ex models

Applications

Granular material and powder with min. 0.01 kg/dm³ bulk density
Chemical and Food industry

NIVOSWITCH (FOR LIQUIDS)

Features:

No moving parts
Self-cleaning for most media
High immunity against vibrations
Stainless steel and coated (PFA) probes
Solid rod extension up to 3 m
Various output configurations
Selectable density
High or low fail-safe mode
Plastic, aluminium or stainless steel housing
Explosion-proof models



Applications:

Most liquids with min. 0.7 kg/dm³ density and max. 10,000 mm²/s viscosity
Corrosive, thick, turbulent, flowing liquids

Specifications:

Power supply: 20–255 V AC, 20–60 V DC
Ambient temperature: -40°C ... +70°C
Medium temperature: -40°C ... +130°C
Medium pressure: max. 40 bar
Process connection: 1" BSP/NPT, flanges or hygienic fittings
Output:
1 or 2 SPDT relays,
2-wire AC or DC,
transistor (PNP, NPN)
Protection: IP67, IP68
Ex marking:
ATEX II 1 G Ex ia IIC T6 ... T4 Ga
ATEX II 1 G Ex ia IIB T6 ... T4 Ga
Approvals: Germanischer Lloyd (GL) only for Compact type (RF-400)
instruments

NIVOSWITCH FOR SOLIDS

Specifications:

Power supply: 20–255 V AC, 20–60 V DC
Ambient temperature: -40°C ... +70°C
Medium temperature: -40°C ... +130°C
Medium pressure: max. 40 bar
Process connection: 1", 1 1/2" BSP/NPT
Output: 1 or 2 SPDT relays, 2-wire AC or DC,
transistor (PNP, NPN)
Protection: IP67, IP68
Ex marking: ATEX II 1/2 D Ex ta/tb IIIC T140°C Da/Db

Features:

No moving parts
Self-cleaning for most media
High immunity against vibrations
Stainless steel probes
Solid rod extension up to 3 m
Various output configurations



LUBRICATION EQUIPMENT

Lube Dispensing Pumps

LD SERIES 3:1 OIL PUMP

Max. Fluid Working Pressure: 450 psi (31 bar);
750 psi (51.7 bar)

Fluid Pressure Ratio: 3:1; 5:1

Suction Lift (feet of oil): 10

Air operating range: 20 – 150 psi

Max recommended pump speed: 120 / 180 cycles
per minute

Wetted Parts: Zinc plated carbon, steel, aluminium,
nitrite, polyurethane, nickel plated aluminium

Approximate weight: 3.2 kg; 3.5kg

Air Inlet: 1/4"

Fluid Inlet: 1"

Fluid Outlet: 1/2"

Free Flow: 34 lpm; 25 lpm



Product Code:

Temperature Range: -17°C to 60°C

Inlet: 1/2" ; Outlet: 1/4", 1/2", 3/8"

Wetted Parts: Aluminium, Buna-N Rubber, PVC

Features:

- Simple to install-mounts in minutes!
- Enclosed reel with a compact enclosure extends hose life
- Full flow swivel maximizes fluid output while minimizing pressure loss
- Adjustable spring makes it easy to retract the hose
- Quality entry-level reel mounts in minutes—gives you years of worry-free performance!
- Ceiling/Wall swivel-mount is standard
(Ceiling/Wall stationary and bench mount options are available)

Lube Dispensing Electronic Meters

LDM5 and LBP5 Electronic Metered Dispense Valves

Product Code: LDM5 (STANDARD)

Max Pressure: 69 bar

Weight: 1.36 kg

Inlet: 1/2" NPT, 1/2" BSPP, 1/2" BSPT

Outlet: 3/8" NPT

Operating Temperature Range: 0°C to 49°C

Fluid Compatibility: Lubricating oil, antifreeze mixtures

Wetted Parts: Stainless steel, nitrile rubber, zinc, CS, LCP



Features:

- Designed for indoor use, with standard flow rates of 5 gpm (18.9 lpm)
- Manual and preset meters with a number of optional accessories to choose from
- Easy to read LCD display with durable switches for long life
- Two-finger trigger; LDP5 models feature a latching trigger to reduce operator fatigue
- Rugged meter body for superior impact resistance and long life
- Ergonomically-designed handle for operator comfort

Lube Oil Dispense Packages

Lube Oil Top Mount Packages

Drum size 1040L,
LD Enclosed Reel (1/2" x 11M)
Universal oil pump 3:1
Universal oil pump 5:1
Down tube
Fluid hose kit
Top mount bracket
Reel bracket kit
Meter tray
Enclosed hose reel, 1/2" x 11 m
2 way vented valve
Air pressure regulator



Available with or without reel

Lube Oil Cart Mount Packages

Universal oil pump 3:1
Universal oil pump 5:1
Fluid hose kit
Metal Down tube
Pump bracket
Cart
Enclosed hose reel, 1/2" x 11 m
LDM5 manual meter /
LDP5 preset meter with flexible / rigid extension
2 way vented valve
Air pressure regulator



Available with or without reel

Lube Dispensing Hose Reels

LD Series Enclosed Hose Reels



Tanker Top

Manholes / Hatches



18" Bolt Style Manhole Covers
Product: VOH750 Series

Features:

- Cast aluminium lightweight & durable construction.
- Two stage opening mechanism enables internal pressure to be released before completely opening the manhole cover.
- 225mm (9") emergency pressure vent included to enable bulk pressure release in event of a fire or rollover.
- Emergency vent doubles as an easy to open inspection hatch for top loading or visual inspection.
- Available with either a plain or lockable handle.
- Secure Locking Feature via Gravity Latch or Lockable Bridge & Handle.

18" Clampband Style Manhole Covers



Features:

- Cast aluminium lightweight & durable construction.
- Two-stage opening mechanism enables internal pressure to be released before completely opening the manhole cover.
- 225mm (9") emergency pressure vent included to enable bulk pressure release in event of a fire or rollover.
- Emergency vent doubles as an easy to open inspection hatch for top loading or visual inspection.
- Secure locking feature via Gravity Latch or Lockable bridge & Handle
- Additional security can be achieved with a non opening bridge & handle design.

3.20" Bolt Style Manhole Covers



Features:

- Cast aluminium lightweight & durable construction.
- Two stage opening mechanism enables internal pressure to be released before completely opening the manhole cover.
- 225mm (9") emergency pressure vent included to enable bulk pressure release in event of a fire or rollover.
- Emergency vent doubles as an easy to open inspection hatch for top loading or visual inspection.
- Available with either a plain or lockable handle.
- Secure Locking Feature via Gravity Latch or Lockable Bridge & Handle.

Swing Hatches

- Integral emergency vent and provision for a pressure vacuum vent.
- Swing hatches come complete with coaming in a range on materials.
- Allows for easy access for loading and cleaning.
- Suits a range of tank containers, road tankers and storage tankers.
- 4 fastening swing bolts.



Emergency Inspection Hatches

1.9" Emergency Hatch sub-assembly

Features:

- Easy to open.
- Two stage opening for added safety.
- Lightweight aluminium construction.
- Plain or lockable handle.
- A key (VOH400-10, order separately) is required to access inspection hatch when fitted with lockable handle.
- Pressure/vacuum vent mounts onto underside of the sub-assembly (PVV valve, order separately).



3.9" Emergency Inspection Hatches



Features:

- Easy to open.
- Two stage opening for added safety.
- Operates as an emergency vent.
- Incorporates a standard Liquip pressure vacuum vent for thermal relief of the tanker (optional).
- Supplied as a complete unit ready for fitting to a tanker or storage tank.
- A wide variety of seals are available depending on the product being stored or transported.

Pressure Vacuum Vents

Pv401 Series

Opening Pressure: Standard setting vent opens at 30kPa.

Capacity: 3250m³/hr at a pressure of 45kPa.

Mounting: Weld in flange.

Standards: Conforms to AS2809-1985.



Features:

- Limits excess pressure within a tank to 30kPa max.
- Range of materials and seals available.
- Simple and reliable emergency pressure relief venting.
- Special opening pressures can be supplied on request.

Pressure Vacuum Vents

PVV Repair Kits



PVVREPKIT: Repair kit for PVV104

PVV 100 Series



Features:

- Allow excess pressure and vacuum to be equalised through a gauzed flame proof opening.
- Aluminium body and Stainless Steel Springs.
- All models have roll-over protection ensuring compartment is sealed if tilted more than 60° from vertical.
- The PVV range of vents can be mounted inside the tank either on the manhole cover or on a separate flange.

PVV 200 Series



Features:

- Allow excess pressure and vacuum to be equalised through a gauzed flame proof opening.
- Aluminium body and poppets (S/S also available).
- All models have roll-over protection ensuring compartment is sealed if tilted more than 60° from vertical.
- The vent is normally mounted directly to the manhole on the underside of the emergency vent or on a separate weld flange.
- PVV vents for chemical and stainless steel tanks available.

Dip & Fill Tubes & Accessories

Camlock & Dust Caps



Features:

- Caps prevent leakage through Dip & Fill openings.
- Camlock dip caps allow for easy checking the entire walkway to ensure caps are closed and prevent levers being flipped open in the event of a tanker roll-over.
- The DBC series of Dip Caps are pressure relieving Dip Caps which enable pressure to be released before opening the cap, preventing possible operator injury.

Dip & Fill Adaptors



FTA80: Fill tube adaptor with through hole square flanges and 74.5mm diameter to suit standard 80mm fill tube (Kit included).

DTA80: 80mm Dip Tube adaptor with through hole square flanges and 74.5mm diameter to suit standard 80mm dip tube (Kit included).

Dip & Fill Blanking Plates



VOH-16: Blanking kit for Dip and Fill points (suits VOH410 Hatches).
VOH700YH-14: Blanking for Dip points (suits VOH700 Hatches).

Pressure Vacuum Vents

Anti-Rattle Dip Stick Kits



DSR21: Viton A Polyurethane ring for dipstick.

DSS21: Stainless Steel Spring, ring pull for dipstick end.

Features:

- Prevents the dip stick from bouncing within the compartment.
- Enables easy retrieval of the dip stick when checking compartment contents.
- Reduces wear on the dipstick.

Tanker Accessories - Flanged Butterfly valves & Accessories

Flanged Butterfly Valves (3" & 4" available)

- 4 stage opening/closing valve.
- 75mm (3") product flow.
- 100mm (4") product flow.
- Industry Standard 3" TTMA Flange Mounting.
- Bonded viton seal for increased durability.
- Lightweight aluminium body.
- Can be fitted with an Air Actuator or locking tab as required.



4" Lockable Flanged Butterfly Valves



- 100mm (4") product flow with locking tab.
- Bonded Viton GFLT seal for increased durability.
- Industry Standard 4" TTMA Flange Mounting.
- Lightweight aluminium body.
- Can be fitted with an Air Actuator or locking tab as required.

Pressure Vacuum Vents

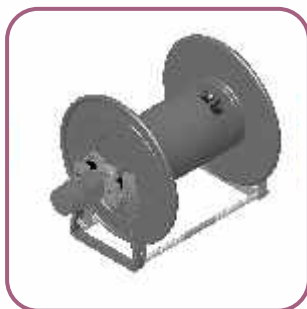
Air Actuators



- Double acting or spring return air actuators available.
- High performance in a compact design.
- High torque value.

Hose Reels

Front Rewind High Pressure Hose Reels



Pressure tested & rating: Up to 2,100kPa.
Periodic Service: Quarterly grease plumber block bearing.
Mounting: 4 x M10 Bolts.
Variants: Can suit 25mm, 32mm & 38mm diameter hoses.
Rewind Mechanism: Hand Rewind.
Drum widths: 300mm (12"), 400mm (18") or 600mm (24").

Features:

- Flow area is equal to 38mm throughout.
- All components are easily replaced as required.
- Sealing is by lip seal.
- Built tough to last in the harshest conditions.
- All models incorporate an optional lock.
- Optional anti-rotation lock to prevent hose unravelling.

Hydraulic Rewind Hose Reels



Pressure tested & rating: Up to 2,100kPa.
Periodic Service: Quarterly grease plumber block bearing.
Mounting: 4 x M10 Bolts.
Variants: Can suit 25mm, 32mm & 38mm diameter hoses.
Rewind Mechanism: Hand or Hydraulic Rewind.

Features:

- Flow area is equal to 38mm throughout.
- All components are easily replaced as required.
- Sealing is by lip seal.
- Built tough to last in the harshest conditions.
- All models incorporate an optional lock.

ABOUT US

Smartflow Technologies Limited is an established engineering company specializing in Fuel management systems, remote monitoring solution, forecourt equipment supply and installations. With a focus on improving operations, blocking losses and providing visibility into fuel management levels and practices, Smartflow has been able to provide several organizations with 10% - 45% savings from their fuel spend. We have over 4,000 working equipment/devices installed, monitored and supported all around Nigeria.

Since its inception, Smartflow Technologies has deployed solutions and systems for hundreds of clients in various industries, ranging from Agriculture, Banking, Cement, Food & Beverages, Logistics, Oil & Gas and Transportation among other thriving sectors of the economy.

Smartflow Technologies is registered with all the relevant and regulatory authorities for the full scope of its activities.

OUR FACILITY



SHOWROOM



TRAINING ROOM



AUTOMATION LAB



WAREHOUSE



OUR PARTNERS



SMARTFLOW
TECHNOLOGIES LTD

...every drop counts!

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