# OPW PRODUCT CATALOG

## Europe • Middle East • Africa

AVANCE FUELING NOZZLE™    KPS PETROL PIPE SYSTEM™    FIBRELITE™    OPW TANK GAUGES    FORECOURT CONTROLLERS

OPW®
A DOVER COMPANY

www.opwglobal.com

## The Easy Choice

We offer you the most comprehensive, high-quality product range on the market. Our portfolio includes top brands such as KPS™, Fibrelite™, SiteSentinel® and AVANCE™. The new organization for Europe, the Middle East and Africa will serve you in any of the 19 languages we speak. Our technical support will train and support installers and service personnel. The design team will assist with drawings and specifications – and our customer service will ship your orders with a smile.

Welcome to OPW.

Some of the OPW Team

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# Our Promise...

Provide the Best Fueling Solutions for Our Customers

Europe

Middle East

Africa

## Local Presence

OPW has multiple Customer Service Centers and warehouses in Europe in order to provide best possible service and delivery times. Between us, we speak 19 different languages, so chances are good we can provide you service in your native language.

OPW

# Product Range

The combined OPW, KPS™ and Fibrelite™ product range is one of the more compelling on the market. Not only can we offer pretty much everything you need for your filling station, we also have the top brands and the top quality products that you want –
*now from a single source!*

The OPW brand portfolio includes brands such as KPS™, Fibrelite™, SiteSentinel® Integra™, iTouch™ and Nano™, AVANCE™ and PetroVend™. Our sales representatives can offer you solutions based on the broadest product range on the market. This catalog is an attempt to show you some of the products and services we offer. For additional products contact your OPW sales representative or your nearest OPW Customer Service Center.

**KPS** PETROL PIPE SYSTEM

**FIBRELITE**

**SiteSentinel®**

**AVANCE**

OPW products may hold one or more listings or certifications with the following agencies:

**CARB**
California Air Resources Board

Ex

**BASEEFA**

GVRC 000:008:099
Breakaway Valve

UL

c UL us

ULC

CSA

OPW EVR CERTIFIED

**kiwa**

**TÜV NORD**

TÜV SÜD

OPW is a member of the following associations:

UL
REGISTERED FIRM

ISO 9001:
2000 Registered Company
Reference #A12174

c ETL us

**PEI**
MEMBER
PETROLEUM EQUIPMENT INSTITUTE

**National Association
of Truck Stop
Operators**

STI
MEMBER
STEEL TANK INSTITUTE

**NATIONAL COUNCIL OF
WEIGHTS AND MEASURES**

**NFPA**
*(National Fire Protection Agency)*

**National Association
of Convenience Stores**
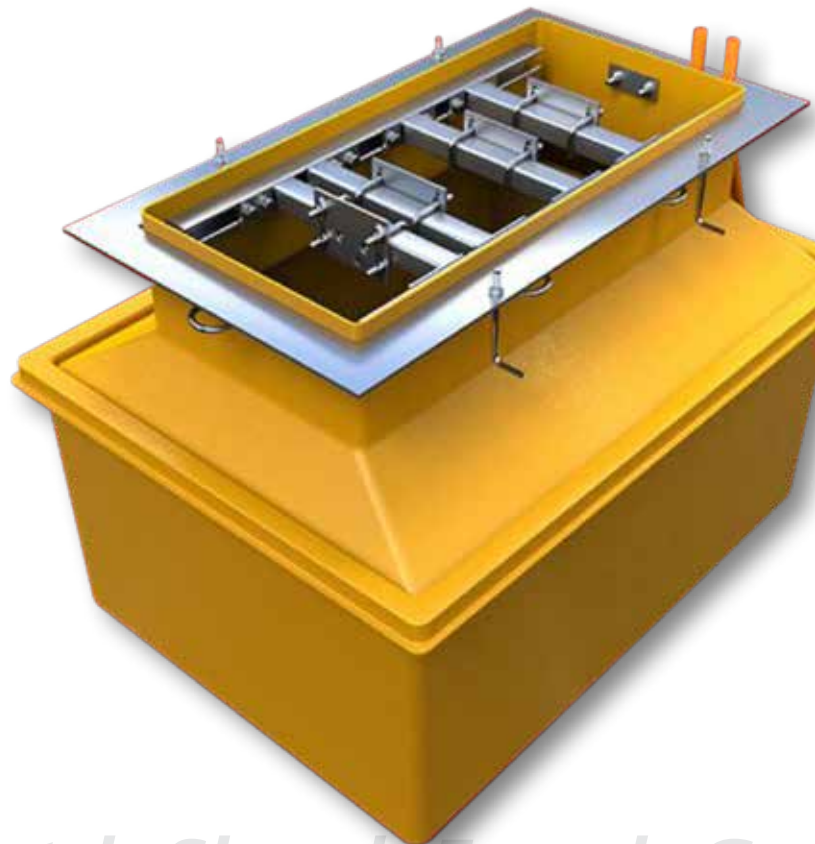
*German Czech Dutch Slovak French Gre
Italian Serbian Arabic Polish English Serbian
Turkish Finnish Portuguese Russian Tamil Spanish Dutch Slova*

## Technical Support

Our technical support offers training and certification of installers, service technicians, designers and engineers. The KPS installer training program has certified more than 3,000 installers worldwide and is run in a multitude of different languages so that non-English speaking participants can have the training in their native language. Technicians installing our SiteSentinel tank gauging systems have access to online training for different consoles and software systems. By requesting certified and trained installers and technicians, fuel retailers can make sure they are getting good installations and proper service – every time. Our support personnel will also go on site to assist first time installers or to help solve practical problems. We are always available to help you get things right, by phone, email or face to face.





## Design Services



The OPW design team can develop customized specifications and standards for retailers or provide detailed, station-specific installation drawings. Detailed installation drawings simplifies the work on site. Any potential problems with interfacing products are identified at an early stage when they can easily be resolved. Improvised solutions that may compromise installation quality – or installation standstills – can be avoided entirely.

OPW designers can also provide training for in-house or third party design engineers that want to improve understanding of good installation principles in order to increase installation quality or save costs by optimizing product choice.

# Underground Storage Tank Equipment

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# Underground Storage Tank Equipment

## Fill Pipe Connection Equipment

| Article Number | Description |
|---|---|
| 633T-8075 | 4" Fill Pipe Adaptor, Aluminum Hard Coat Adaptor with Lugs |
| 633T-8060 | 3x3" Fill Pipe Adaptor |
| 633ABS-6300 | 3" Adaptor with Female Threads |
| 633ABS-6400 | 4" Adaptor with Female Threads |
| 633F-BR25 | 2-1/2" NPT Kamlok |
| 633AST-0400 | 4x4" Kamlok |
| 1611AVL-4X3 | 4"GR, 3" BSP Vapor Recovery Adaptor |
| 634B-6300 | 3" Cap |
| 634B-6250 | 2 -1/2" Cap |
| 634B-0180 | 4" Kamlok, Dust Plug |
| 634B-BR25 | 2 -1/2" Kamlok, Twim-Kam |
| 634TE-7085 | 3" Cap |
| 634TT-7085-EVR | 4" Cap |
| 1711-7000 | 4" Cap |
| 1711T-7085-EVR | 3" Cap |

## Overfill Prevention and In-tank Equipment

| Article Number | Description |
|---|---|
| 61SO-4004 | 4" Overfill Valve, 4x5ft |
| 61SO-4BYE | 4" Overfill Valve, 4x5ft, No Tubes, Lower O-ring |
| 71SO-400C | 4" Vapor-Tight Overfill Valve |
| 71SO-410C | 4" Vapor-Tight Overfill Valve |
| 53VL-0060 | 2" Ball Float.  6 1/8" long. No Cage |
| 53VL-0050 | 2" Ball Float.  5 1/8" long. No Cage |
| 53VML-0120 | 2" Ball Float.  12" long. No Cage |
| 61JSK-4RMT | Jack Screw Kit For Remote Application |
| CN19372ML | Supporting Cage 61-SO 4" |

## Spill Containers

| Article Number | Description |
|---|---|
| 1BSPT-2100 | Spill Container Thread-on, BSPT, 18.9 litres |
| 1BSPT-2400 | Spill Container Thread-on, BSPT, 30 litres |
| 1C-3101D | The EDGE 1™ SW Spill Container, 19 litres (5 gal) capacity, with Cast Iron Cover and Drain Valve. |
| 1C-3112D | The EDGE™ DW Spill Container, 19 litres (5 gal) capacity, with Cast Iron Cover,Float Gauge and Drain Valve. |
| 1-2100C-DEVR | Product Fill Spill Container, 19 litres (5 gal) capacity, with aluminium cover. |
| 1-2100 | Spill Container Thread-on, NPT, 18.9 litres |
| 1-2400 | Spill Container Thread-on, NPT, 30 litres |

## Tank Venting Equipment

| Article Number | Description |
| --- | --- |
| 623V-2203 | 2" NPT, Pressure/Vacuum Vent, 3" WC |
| 523V-1100 | 2", Pressure/Vacuum Vent, 8 oz |
| 523V-3100 | 3", Pressure/Vacuum Vent, 8oz |
| 23-0055 | 3", Open Atmospheric Vent |
| 23-0045 | 1-1/2" Female, Open Atmospheric Vent |
| 23-0044 | 1-1/2", Open Atmospheric Vent |
| 23-0033 | 2", Open Atmospheric Vent |
| 23-0034 | 2", Open Atmospheric Vent |

## Shut-off Valves, Shear Valves and Check Valves

| Article Number | Description |
| --- | --- |
| 10P-0152L | 1-1/2" BSP, 10 Plus Shut Off Valve, Double Poppet |
| 10P-0152 | 1-1/2" NPT, 10 Plus Shut Off Valve, Double Poppet |
| 10BF-570L | 1-1/2" BSP, Shut Off Valve, Single Poppet, Female Top |
| 10BFP-571L | 1-1/2" BSP, Shut Off Valve, Double Poppet, Female Top |
| 10BM-580L | 1-1/2" BSP, Shut Off Valve, Single Poppet, Male Top |
| 10BM-5825 | 1-1/2" NPT, Shut Off Valve, Single Poppet, Male Top |
| 10BHMP-5830 | 1-1/2" NPT, Shut Off Valve, Double Poppet, Male Top |
| 10BU-5925 | 1-1/2" NPT, Shut Off Valve, Single Poppet, Union Top |
| 10BU-590L | 1-1/2" BSP, Shut Off Valve, Single Poppet, Union Top |
| 10RMP-2004 | 2" NPT, Shut Off Valve, Double Poppet, Male Top |
| 70-007L | 1-1/2" BSP, Vertical Check Valve |
| 70S-0075 | Check valve with stablizer and test port |
| 60VP-101L | 1" BSP, Vapor saver emergency valve |
| 60VSP-1001 | 1 x 1-1/2", Vaporline shear valve, poppeted |
| 60V-DEF | 60V DEF Shear Valve |
| 14NL | 1-1/2" BSP, Angle check valve |
| 14NL-2 | 2" BSP, Angle check valve |

# Threads Overview

## ISO – BSP Pipe Thread Chart

| Thread type | ISO 7 | BSP (British Standard Pipe Thread) |
|---|---|---|
| Tapered male | R | BSPT male |
| Tapered female | Rc | BSPT female |
| Parallel male | G male or Rs | BSPP male or BSP male |
| Parallel female | G female or Rp | BSPP female or BSP female |

## NPT Pipe Thread Chart

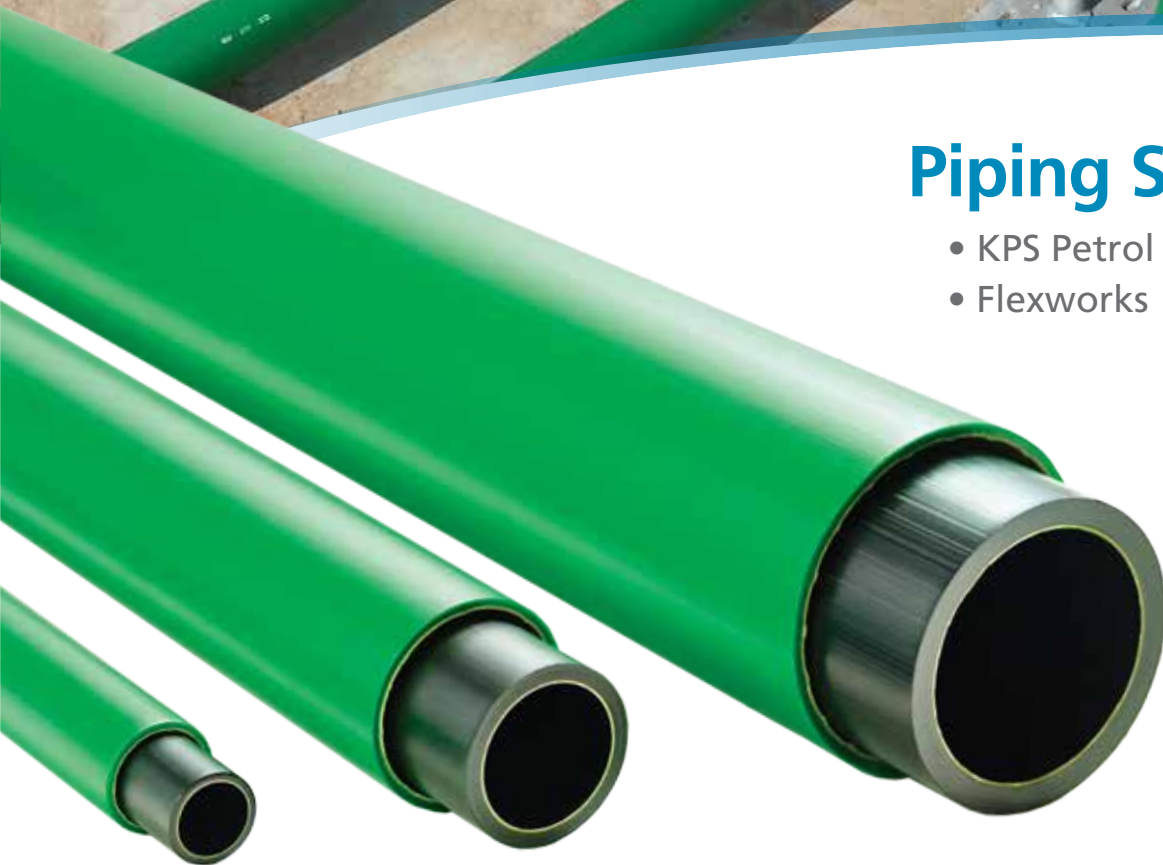| Thread type | NPT (National Pipe Thread Taper) |
|---|---|
| Tapered male | NPT male or MPT or MIP |
| Tapered female | NPT female or FPT or FIP |

# Piping Systems

- KPS Petrol Pipe System™
- Flexworks

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**KPS™ 125/110 mm 4" Secondary Containment Piping**

## Pipe

### Conductive petrol pipes with permeation barrier and secondary containment

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 125/110SCEC6 | Pipe 125/110 mm, secondary contained conductive | Pipe 125 mm, primary 110 mm, 5.8 m lengths, 12 units per package | 125/110 | 70 m |
| KP 125/110SCEC18 | Pipe 125/110 mm, secondary contained conductive | Pipe 125 mm, primary 110 mm, 18 m lengths, 1 unit per package | 125/110 | 18 m |
| KP 125/110SCEC30 | Pipe 125/110 mm, secondary contained conductive | Pipe 125 mm, primary 110 mm, 30 m coil | 125/110 | 30 m |
| KP 125/110SCEC50 | Pipe 125/110 mm, secondary contained conductive | Pipe 125 mm, primary 110 mm, 50 m coil | 125/110 | 50 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

### Conductive connectors for pipe joints

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP CC-110 | Conductor 110 mm, conductive | | 110 | 24 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

## Welding Sockets

### Welding sockets for secondary containment

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-125/110SC | Integrated welding socket 125/110 pipe, secondary contained | | 125/110 | 12 |
| KP 2-125/110SCA | Integrated Welding Socket 125/110 pipe, 360° secondary contained. | | 125/110 | 8 |
| KP 2-110 | Welding socket 110 mm | | 110 | 10 |
| KP 2-110R | Welding socket 110 mm, no pipe stop | Slides over the pipe | 110 | 1 |

## Termination Fittings

### Secondary contained termination fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP T125/110SC2A | Termination fitting 125/110 mm | With swiveling elbow test port fitting | 125/110 | 8 |
| KP T125/110SC2B | Termination fitting 125/110 mm | With straight test port fitting. | 125/110 | 8 |
| KP T125/110SC04 | Termination fitting 125/110 mm | With plastic plug that seals the test port | 125/110 | 8 |
| KP T90025 | Ball valve 1/4" for test port | For KP T model 04 | | 1 |
| KP T125/110B | Termination fitting 125/110 mm | No test port, for burial in soil | 125/110 | 8 |

## Bends, Elbows and Tees

### Conductive secondary contained bends and elbows with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-125/110SCEC | Bend 90° 125/110 mm, secondary contained conductive | | 125/110 | 1 |
| KP 33-125/110SCC | Moulded elbow 90° 125/110 mm, secondary contained conductive | Sharp radius | 125/110 | 4 |
| KP 4-125/110SCEC | Bend 45° 125/110 mm, secondary contained conductive | | 125/110 | 1 |

### Conductive weldable elbows

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 23-110C02 | Elbow 90° 110 mm, conductive | Weldable | 110 | 5 |
| KP 24-110C02 | Elbow 45° 110 mm, conductive | Weldable | 110 | 6 |

### Conductive tee with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 8-110FC03 | Tee 110 mm, conductive | Equal tee | 110 | 7 |

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# Entry Seals

## Integrated entry seals and termination fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM125/110SC2A | Entry seal and termination fitting | With swiveling elbow test port fitting. Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110 | 6 |
| KP TM125/110SC2B | Entry seal and termination fitting | With straight test port fitting. Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110 | 6 |
| KP TM125/110SC04 | Entry seal and termination fitting | With plastic plug that seals the test port. Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110 | 6 |
| KP TM125/110SC20 | Entry seal and termination fitting with pre-mounted transition fitting to DIN flange DN 80 | With plastic plug that seals the test port. Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110 | 2 |
| KP T90025 | Ball valve 1/4" for test port | For KP TM model -04. | | 1 |
| KP TM125/90 | Entry seal, pipe 125/110/90 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110/90 | 8 |

## Blind entry seal

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM125/90B | Blind entry seal, pipe 125/110/90 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110/90 | 10 |

# Transition Fittings

## Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-110F | Transition fitting 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 4 |
| KP C17-110FL | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 1 |
| KP C17-110/90F | Transition fitting 110/90 mm, reduced, steel | 3" BSPT female / Rc 3" | 110/90 | 4 |

## Male transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-110M | Transition fitting 110 mm, steel | 4" BSPT male / R 4" | 110 | 4 |
| KP C17-110ML | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT male / R 4" | 110 | 1 |
| KP C17-110/90M | Transition fitting 110/90 mm, reduced, steel | 3" BSPT male / R 3" | 110/90 | 4 |

## Female transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-110F | Transition fitting 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 1 |
| KP C16-110FL | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 1 |
| KP C16-110/90F | Transition fitting 110/90 mm, reduced, steel | 3" BSPT female / Rc 3" | 110/90 | 1 |

## Male transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-110M | Transition fitting 110 mm, steel | 4" BSPT male / R 4" | 110 | 1 |
| KP C16-110ML | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT male / R 4" | 110 | 1 |
| KP C16-110/90M | Transition fitting 110/90 mm, reduced, steel | 3" BSPT male / R 3" | 110/90 | 1 |

## Conductive stub flanges, DIN flanges and gaskets for pipe termination

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C20-110 | Stub flange, DIN flange and gasket 110 mm, steel | | 110 | 2 |
| KP C20-110L | Stub flange, 50 cm stub, DIN flange and gasket 110 mm, steel | | 110 | 1 |
| KP W6-110 | Separate threaded DIN flange 110 mm, steel | BSPT 4" female / Rc 4" | 110 | 1 |
| KP C20-110/90 | Stub flange, DIN flange and gasket 110/90 mm, steel | | 110 | 1 |

*Separate flange in stainless steel available upon request*

## Compression transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C14-110/90M | Transition fitting, 110/90 mm, reduced, brass | 3" BSPT male / R 3" | 110 | 1 |

## Flange fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP F16-110MM | Flange fitting | 4" BSPT male-male / R-R 4" | 110 | 1 |
| KP F16-110MF | Flange fitting | 4" BSPT male-female / R-Rc 4" | 110 | 1 |
| KP F16-110FF | Flange fitting | 4" BSPT female-female / Rc-Rc 4" | 110 | 1 |

## Pipe

# KPS™ 75/63 mm 2" Secondary Containment Piping

### Conductive petrol pipes with permeation barrier and secondary containment

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 75/63SCEC30 | Pipe 75/63 mm, secondary contained conductive | Pipe 75 mm, primary 63 mm, 30 m coil | 75/63 | 30 m |
| KP 75/63SCEC60 | Pipe 75/63 mm, secondary contained conductive | Pipe 75 mm, primary 63 mm, 60 m coil | 75/63 | 60 m |
| KP 75/63SCEC100 | Pipe 75/63 mm, secondary contained conductive | Pipe 75 mm, primary 63 mm, 100 m coil | 75/63 | 100 m |
| KP 75/63SCEC6 | Pipe 75/63 mm, secondary contained conductive | Pipe 75 mm, primary 63 mm, 5.8 m lengths. 35 units per package | 75/63 | 203 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

### Conductive connectors for pipe joints

| Article Number | Description | | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP CC-63 | Conductor 63 mm, conductive | | 63 | 45 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

## Welding Sockets

### Welding sockets for secondary containment

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-75/63SC | Integrated welding socket 75/63 pipe, secondary contained | | 75/63 | 18 |
| KP 2-75/63SCA | Integrated welding socket 75/63 pipe, 360° secondary contained | | 75/63 | 18 |
| KP 2-63 | Welding socket 63 mm | | 63 | 45 |
| KP 2-63R | Welding socket 63 mm, no pipe stop | Slides over the pipe | 63 | 1 |

## Termination Fittings

### Secondary contained termination fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP T75/63SC2A-L | Termination fitting long, single weld 75/63 mm | With swiveling elbow test port fitting. For joining of primary pipe and termination of secondary containment. | 75/63 | 24 |
| KP T75/63SC2B-L | Termination fitting long, single weld 75/63 mm | With straight test port fitting. For joining of primary pipe and termination of secondary containment. | 75/63 | 24 |
| KP T75/63SC04-L | Termination fitting long, single weld 75/63 mm | With plastic plug that seals the test port. For joining of primary pipe and termination of secondary containment. | 75/63 | 24 |
| KP T75/63SC2A | Termination fitting 75/63 mm | With swiveling elbow test port fitting. | 75/63 | 36 |
| KP T75/63SC2B | Termination fitting 75/63 mm | With straight test port fitting. | 75/63 | 36 |
| KP T75/63SC04 | Termination fitting 75/63 mm | With plastic plug that seals the test port. | 75/63 | 36 |

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP T90025 | Ball valve 1/4" for test port | For KP T model 04. | | 1 |
| KP T75/63B-L | Termination fitting long 75/63 mm | No test port. For burial in soil. For joining of primary pipe and termination of secondary containment. | 75/63 | 24 |
| KP T75/63B | Termination fitting 75/63 mm | No test port. For burial in soil. | 75/63 | 36 |

# Bends, Elbows and Tees

## Conductive secondary contained bends and elbows with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-75/63SCEC | Bend 90° 75/63 mm, secondary contained conductive | | 75/63 | 1 |
| KP 4-75/63SCEC | Bend 45° 75/63 mm, secondary contained conductive | | 75/63 | 1 |

## Conductive secondary contained tees with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 8-75/63SCEC02 | Tee 75/63 mm, secondary contained conductive | Equal tee | 75/63 | 6 |
| KP 28-75/63SCA | Tee 75/63 mm, secondary contained conductive with pre-mounted KP 2-75/63SCA welding sockets | Equal tee, weldable | 75/63 | 4 |

## Conductive weldable elbows

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 23-63EC | Elbow 90° 63 mm, conductive | Weldable | 63 | 10 |
| KP 24-63EC | Elbow 45° 63 mm, conductive | Weldable | 63 | 12 |

## Conductive tees with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 28-63EC | Tee 63 mm, conductive | Weldable | 63 | 10 |

# Entry Seals

## Integrated entry seals and termination fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM75/63SC2A-L | Entry seal and termination fitting long, two welds | With swiveling elbow test port fitting. For joining of primary pipe. Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63 | 10 |
| KP TM75/63SC2B-L | Entry seal and termination fitting long, two welds | With straight elbow test port fitting. For joining of primary pipe. Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63 | 10 |
| KP TM75/63SC04-L | Entry seal and termination fitting long, two welds | With plastic plug that seals the test port. For joining of primary pipe. Threaded, no bolts necessary Use hole saw Ø 114 mm. | 75/63 | 10 |
| KP TM75/63SC2A | Entry seal and termination fitting | With swiveling elbow test port fitting. Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63 | 12 |
| KP TM75/63SC2B | Entry seal and termination fitting | With straight test port fitting. Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63 | 12 |
| KP TM75/63SC04 | Entry seal and termination fitting | With plastic plug that seals the test port. Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63 | 12 |
| KP T90025 | Ball valve 1/4" for test port | For KP TM model 04. | | 1 |
| KP TM75/63SCA20 | Entry seal and termination fitting with pre-mounted KP 2-75/63SCA welding socket and oval flange transition fitting | With test port. For use with leak plate equipped dispensers. Use hole saw Ø 114 mm. | 75/63 | 6 |
| KP TM75/63SC03 | Entry seal and termination fitting | No test port. For use with leak plate equipped dispensers. Use hole saw Ø 116 mm. | 75/63 | 6 |

## Entry seals

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM75/54 | Entry seal, pipe 75/63/54 mm | Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63/54 | 8 |

## Blind entry seal

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM75/54B | Blind entry seal, pipe 75/63/54 mm | Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63/54 | 10 |

# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-63F | Transition fitting 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 12 |
| KP C17-63/54F | Transition fitting 63/54 mm, reduced, steel | 1½" BSPT female / Rc 1½" | 63/54 | 12 |
| KP C17-63FL | Transition fitting 50 cm stub, 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 10 |
| KP C17-63/54FL | Transition fitting 50 cm stub, 63/54 mm, reduced, steel | 1½" BSPT female / Rc 1½" | 63/54 | 10 |

### Male transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-63M | Transition fitting 63 mm, steel | 2" BSPT male / R 2" | 63 | 12 |
| KP C17-63ML | Transition fitting 50 cm stub, 63 mm, steel | 2" BSPT male / R 2" | 63 | 10 |
| KP C17-63/54ML | Transition fitting 50 cm stub, 63/54 mm, reduced, steel | 1½" BSPT male / R 1½" | 63/54 | 10 |
| KP C17-63/25ML | Transition fitting 50 cm stub, 63/25 mm, reduced, steel | 1" BSPT male / R 1" | 63/25 | 10 |

### Female transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-63F | Transition fitting 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 10 |
| KP C16-63/54F | Transition fitting 63/54 mm, reduced, steel | 1½" BSPT female / Rc 1½" steel | 63/54 | 10 |
| KP C16-63FL | Transition fitting long 50 cm stub 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 1 |

### Male transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-63M | Transition fitting 63 mm, steel | 2" BSPT male / R 2" | 63 | 10 |
| KP C16-63/54M | Transition fitting 63/54 mm, reduced, steel | 1½" BSPT male / R 1½" | 63/54 | 10 |
| KP C16-63ML | Transition fitting 50 cm stub, 63 mm, steel | 2" BSPT male / R 2" | 63 | 1 |

### Conductive stub flanges, DIN flanges and gaskets for pipe termination

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C20-63 | Stub flange, DIN flange and gasket 63 mm, steel | | 63 | 4 |
| KP C20-63L | Stub flange, 50 cm stub, DIN flange and gasket 63 mm, steel | | 63 | 1 |
| KP W6-63 | Separate threaded DIN flange 63 mm, steel | BSPT 2" female / Rc 2" | 63 | 1 |

*Separate flange in stainless steel available upon request*

### Compression transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C14-63M | Transition fitting 63 mm, brass | 2" BSPT male / R 2" | 63 | 1 |
| KP C14-63MS | Transition fitting 63 mm, stainless steel | 2" BSPT male / R 2" Extended delivery time may apply. | 63 | 1 |
| KP C14-63/25M | Transition fitting 63/25 mm, reduced, brass | 1" BSPT male / R 1" | 63 | 1 |

### Flange fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP F16-63MM | Flange fitting | 2" BSPT male-male / R-R 2" | | 1 |
| KP F16-63MF | Flange fitting | 2" BSPT male-female / R-Rc 2" | | 1 |
| KP F16-63FF | Flange fitting | 2" BSPT female-female / Rc-Rc 2" | | 1 |

# Flexible Connectors and Valves

### Conductive flexible connectors, union coupling

| Article Number | Description | Remark | | Length (mm) |
|---|---|---|---|---|
| KP T50-4S | Flex hose 400 mm, stainless | BSPT 2" male x 2" female union | R 1" x Rc 1" union | 400 |
| KP T50-6S | Flex hose 600 mm, stainless | BSPT 2" male x 2" female union | R 2" x Rc 2" union | 600 |
| KP T50-8S | Flex hose 800 mm, stainless | BSPT 2" male x 2" female union | R 2" x Rc 2" union | 800 |
| KP T50-12S | Flex hose 1200 mm, stainless | BSPT 2" male x 2" female union | R 2" x Rc 2" union | 1200 |

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*Flexible connectors and valves (continued)*

**Conductive flexible connectors, hexagon nipple type**

| Article Number | Description | Remark |
|---|---|---|
| KP TN50-4S | Flex hose 400 mm, stainless | BSPT 2" male x male / R 2" x R 2" |
| KP TN50-6S | Flex hose 600 mm, stainless | BSPT 2" male x male / R 2" x R 2" |

**Valves**

| Article Number | Description | Remark |
|---|---|---|
| KP 14-050 | Ball valve 2" | BSPT 2" female / Rc 2" |
| KP 15-050 | Shut-off valve 2" | BSPT 2" female / Rc 2" |
| KP 15-050HL | Shut-off valve handle | To open and close shut-off valve from surface level. |

# AdBlue Fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-63FS | Transition fitting 63 mm, stainless steel | 2" BSPT female / Rc 2" | 63 | 1 |
| KP C17-63MS | Transition fitting 63 mm, stainless steel | 2" BSPT male / Rc 2" | 63 | 1 |
| KP C14-63MS | Transition fitting 63 mm, stainless steel | 2" BSPT male / R 2" | 63 | 1 |
| KP C20-63S | Transition fitting 63 mm, stainless steel | | 63 | 1 |

*Extended delivery time may apply on stainless steel fittings.*

# Pipe

# KPS™ 40/32 mm 1-1/2" Secondary Containment Piping

**Conductive petrol pipes with permeation barrier and secondary containment**

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 40/32SCEC30 | Pipe 40/32 mm, secondary contained conductive | Pipe 40 mm, primary 32 mm, 30 m coil | 40/32 | 30 m |
| KP 40/32SCEC60 | Pipe 40/32 mm, secondary contained conductive | Pipe 40 mm, primary 32 mm, 60 m coil | 40/32 | 60 m |
| KP 40/32SCEC100 | Pipe 40/32 mm, secondary contained conductive | Pipe 40 mm, primary 32 mm, 100 m coil | 40/32 | 100 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

**Conductive connectors for pipe joints**

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP CC-32 | Conductor 32 mm, conductive | | 32 | 30 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

# Welding Sockets

**Welding sockets for secondary containment**

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-63/40SC | Integrated welding socket 40/32 pipe, 360° secondary contained | | 40/32 | 1 |

**Welding sockets**

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-32 | Welding socket 32 mm | | 32 | 1 |

# Termination Fittings

### Secondary contained termination fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP T40/32SC | Termination fitting 40/32 mm | With swiveling elbow test port fitting | 40/32 | 1 |
| KP T40/32 | Termination fitting 40/32 mm | No test port | 40/32 | 1 |

# Bends

### Conductive secondary contained bends with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-40/32SCECL | Bend 90° 40/32 mm, secondary contained conductive | | 40/32 | 1 |
| KP 4-40/32SCECL | Bend 45° 40/32 mm, secondary contained conductive | | 40/32 | 1 |

# Entry Seal

| | | | | |
|---|---|---|---|---|
| KP M-40 | Entry seal, pipe 40 mm | | 40 | 12 |
| KP M-32 | Entry seal, pipe 32 mm | | 32 | 12 |
| KP M-25 | Entry seal, pipe 25 mm | | 25 | 12 |

# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-32F | Transition fitting 32 mm, steel | 1" BSPT female / Rc 1" | 32 | 1 |
| KP C17-32FS | Transition fitting 32 mm, stainless steel | 1" BSPT female / Rc 1" Extended delivery time may apply. | 32 | 1 |

### Compression transition fittings, conductive, plastic to steel

| | | | | |
|---|---|---|---|---|
| KP C14-32M | Transition fitting 32 mm, brass | 1¼" BSPT male / R 1¼" | 32 | 2 |
| KP C14-32MS | Transition fitting 32 mm, stainless steel | 1¼" BSPT male / R 1¼" | 32 | 1 |

### Transition compression PRK fittings, plastic to steel

| | | | | |
|---|---|---|---|---|
| KP PRK-32M | PRK fitting 32 mm, steel | 1¼" BSPT male / R 1¼" | 32 | 1 |
| KP PRK-32MR | PRK fitting 32/25 mm, reduced, steel | 1¼" BSPT male / R 1¼" | 32 | 1 |

# Flexible Connectors and Valves

### Conductive flexible connectors, union coupling

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP T25-10S | Flex hose 1000 mm, stainless | BSPT 1" male x 1" female union  / R 1" x Rc 1" union | 1000 |
| KP T25-13S | Flex hose 1300 mm, stainless | BSPT 1" male x 1" female union  / R 1" x Rc 1" union | 1300 |

### Conductive flexible connectors, hexagon nipple type

| | | | |
|---|---|---|---|
| KP TN25-6S | Flex hose 600 mm, stainless | BSPT 1" male x male / R 1" x R 1" | 600 |
| KP TN25-13S | Flex hose 1300 mm, stainless | BSPT 1" male x male / R 1" x R 1" | 1300 |

### Valve

| | | | |
|---|---|---|---|
| KP 14-025 | Ball valve 1" | BSPT 1" female / Rc 1" | 1 |

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## AdBlue Fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-32FS | Transition fitting 32 mm, stainless steel | 1" BSPT female / Rc 1" | 32 | 1 |
| KP C14-32MS | Transition fitting 32 mm, stainless steel | 1" BSPT male / R 1" | 32 | 1 |

*Extended delivery time may apply on stainless steel fittings.*

## Pipe

# KPS™ 110 mm 4" Primary Piping

### Conductive petrol pipes with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 110EC6 | Pipe 110 mm, conductive | Pipe 110 mm, 5.8 m lengths.  20 units / package | 110 | 116 m |
| KP 110EC18 | Pipe 110 mm, conductive | Pipe 110 mm, 18 m lengths.  1 unit / package | 110 | 18 m |
| KP 110EC30 | Pipe 110 mm, conductive | Pipe 110 mm, 30 m coil. | 110 | 30 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

### Conductive connectors for pipe joints

| Article Number | Description | Remark | Ø (mm) | |
|---|---|---|---|---|
| KP CC-110 | Conductor 110 mm, conductive | | 110 | 24 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

## Welding Sockets

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-110 | Welding socket 110 mm | | 110 | 10 |
| KP 2-110R | Welding socket 110 mm, no pipe stop | Slides over the pipe | 110 | 1 |

## Bends, Elbows and Tees

### Conductive formed bends and elbows with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-110FC | Bend 90° 110 mm, conductive | | 110 | 1 |
| KP 3-110FCL | Bend 90° 110 mm, conductive, long type | 45 cm extra length | 110 | 1 |
| KP 4-110FC | Bend 45° 110 mm, conductive | | 110 | 1 |

### Conductive weldable elbows

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 23-110C02 | Elbow 90° 110 mm, conductive | Weldable | 110 | 5 |
| KP 24-110C02 | Elbow 45° 110 mm, conductive | Weldable | 110 | 6 |

### Conductive tee with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 8-110FC03 | Tee 110 mm, conductive | Equal tee | 110 | 7 |

## Entry Seals

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM125/90 | Entry seal, pipe 125/110/90 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110/90 | 8 |
| KP M160/90 | Entry seal, pipe 160 to 90 mm | Use hole saw Ø 168 mm. | 160/125/110/90 | 6 |

### Blind entry seal

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM125/90B | Blind entry seal, pipe 125/110/90 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110/90 | 10 |

# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-110F | Transition fitting 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 4 |
| KP C17-110FL | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 1 |
| KP C17-110/90F | Transition fitting 110/90 mm, reduced, steel | 3" BSPT female / Rc 3" | 110/90 | 4 |

### Male transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-110M | Transition fitting 110 mm, steel | 4" BSPT male / R 4" | 110 | 4 |
| KP C17-110ML | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT male / R 4" | 110 | 1 |
| KP C17-110/90M | Transition fitting 110/90 mm, reduced, steel | 3" BSPT male / R 3" | 110/90 | 4 |

### Female transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-110F | Transition fitting 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 1 |
| KP C16-110FL | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT female / Rc 4" | 110 | 1 |
| KP C16-110/90F | Transition fitting 110/90 mm, reduced, steel | 3" BSPT female / Rc 3" | 110/90 | 1 |

### Male transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-110M | Transition fitting 110 mm, steel | 4" BSPT male / R 4" | 110 | 1 |
| KP C16-110ML | Transition fitting 50 cm stub, 110 mm, steel | 4" BSPT male / R 4" | 110 | 1 |
| KP C16-110/90M | Transition fitting 110/90 mm, reduced, steel | 3" BSPT male / R 3" | 110/90 | 1 |

### Conductive stub flanges, DIN flanges and gaskets for pipe termination

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C20-110 | Stub flange, DIN flange and gasket 110 mm, steel | | 110 | 2 |
| KP C20-110L | Stub flange, 50 cm stub, DIN flange and gasket 110 mm, steel | | 110 | 1 |
| KP W6-110 | Separate threaded DIN flange 110 mm, steel | BSPT 4" female / Rc 4" | 110 | 1 |
| C20-110/90 | Stub flange, DIN flange and gasket 110/90 mm, steel | | 110 | 1 |

*Separate flange in stainless steel available upon request*

### Compression transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C14-110/90M | Transition fitting,110/90 mm, reduced, brass | 3" BSPT male / R 3" | 110 | 1 |

### Flange fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP F16-110MM | Flange fitting | 4" BSPT male-male / R-R 4" | | 1 |
| KP F16-110MF | Flange fitting | 4" BSPT male-female / R-Rc 4" | | 1 |
| KP F16-110FF | Flange fitting | 4" BSPT female-female / Rc-Rc 4" | | 1 |

## Pipe

# KPS™ 90 mm 3" Primary Piping

### Conductive petrol pipes with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 90EC6 | Pipe 90 mm, conductive | Pipe 90 mm, 5.8 m lengths.  24 units / package | 90 | 139 m |
| KP 90EC18 | Pipe 90 mm, conductive | Pipe 90 mm, 18 m lengths.  1 unit / package | 90 | 18 m |
| KP 90EC30 | Pipe 90 mm, conductive | Pipe 90 mm, 30 m coil. | 90 | 30 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

### Conductive connectors for pipe joints

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP CC-90 | Conductor 90 mm, conductive | Pack size, 36 | 90 | 30 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

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# Welding Sockets

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-90 | Welding socket 90 mm | | 90 | 18 |
| KP 2-90R | Welding socket 90 mm, no pipe stop | Slides over the pipe | 90 | 1 |

# Bends, Elbows and Tees

### Conductive formed bends and elbows with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-90FC | Bend 90° 90 mm, conductive | | 90 | 1 |
| KP 3-90FCL | Bend 90° 90 mm, conductive, long type | 44 cm extra length | 90 | 1 |
| KP 4-90FC | Bend 45° 90 mm, conductive | | 90 | 1 |

### Conductive weldable elbows

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 23-90C02 | Elbow 90° 90 mm, conductive | Weldable | 90 | 8 |
| KP 24-90C02 | Elbow 45° 90 mm, conductive | Weldable | 90 | 10 |

### Conductive tee with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 8-90FC03 | Tee 90 mm, conductive | Equal tee | 90 | 10 |

### Conductive reducers

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 9-90/63EC | Reducer 90/63 mm, moulded, conductive | | 90/63 | 24 |

# Entry Seals

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM125/90 | Entry seal, pipe 125/110/90 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110/90 | 8 |
| KP M160/90 | Entry seal, pipe 160 to 90 mm | Use hole saw Ø 168 mm. | 160/125/110/90 | 6 |

### Blind entry seal

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM125/90B | Blind entry seal, pipe 125/110/90 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 125/110/90 | 10 |

# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-90F | Transition fitting 90 mm, steel | 3" BSPT female / Rc 3" | 90 | 5 |

### Male transition fittings, conductive, plastic to steel

| KP C17-90M | Transition fitting 90 mm, steel | 3" BSPT male / R 3" | 90 | 5 |

### Female transition flange fittings, with spacer, conductive, plastic to steel

| KP C16-90F | Transition fitting 90 mm, steel | 3" BSPT female / Rc 3" | 90 | 1 |

### Male transition flange fittings, with spacer, conductive, plastic to steel

| KP C16-90M | Transition fitting 90 mm, steel | 3" BSPT female / Rc 3" | 90 | 1 |

### Conductive stub flanges, DIN flanges and gaskets for pipe termination

| KP C20-90 | Stub flange, DIN flange and gasket 90 mm, steel | | 90 | 2 |
| KP W6-90 | Separate threaded DIN flange 90 mm, steel | BSPT 3" female / Rc 3" | 90 | 1 |

*Separate flange in stainless steel available upon request*

### Compression transition fittings, conductive, plastic to steel

| KP C14-90M | Transition fitting 90 mm, brass | 3" BSPT male / R 3" | 90 | 1 |

**Flange fittings**

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP F16-90MM | Flange fitting | 3" BSPT male-male / R-R 3" | | 1 |
| KP F16-90MF | Flange fitting | 3" BSPT male-female / R-Rc 3" | | 1 |
| KP F16-90FF | Flange fitting | 3" BSPT female-female / Rc-Rc 3" | | 1 |

# Pipe

# KPS™ 63 mm 2" Primary Piping

**Conductive petrol pipes with permeation barrier**

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 63EC6 | Pipe 63 mm, conductive | Pipe 63 mm, 5.8 m lengths. 48 units per package | 63 | 278 m |
| KP 63EC50 | Pipe 63 mm, conductive | Pipe 63 mm, 50 m coil | 63 | 50 m |
| KP 63EC85 | Pipe 63 mm, conductive | Pipe 63 mm, 85 m coil | 63 | 85 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

**Conductive connectors for pipe joints**

| Article Number | Description | Remark | Ø (mm) | |
|---|---|---|---|---|
| KP CC-63 | Conductor 63 mm, conductive | | 63 | 45 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

# Welding Sockets

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-63 | Welding socket 63 mm | | 63 | 45 |
| KP 2-63R | Welding socket 63 mm, no pipe stop | Slides over the pipe | 63 | 1 |

# Bends, Elbows and Tees

**Conductive formed bends and elbows with permeation barrier**

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-63FC | Bend 90° 63 mm, conductive | | 63 | 8 |
| KP 3-63FCL | Bend 90° 63 mm, conductive, long type | 50 cm extra length | 63 | 1 |
| KP 4-63FC | Bend 45° 63 mm, conductive | | 63 | 20 |

**Conductive weldable elbows**

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 23-63EC | Elbow 90° 63 mm, conductive | Weldable | 63 | 10 |
| KP 24-63EC | Elbow 45° 63 mm, conductive | Weldable | 63 | 12 |

**Conductive tee with permeation barrier**

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 28-63EC | Tee 63 mm, conductive | Weldable | 63 | 10 |

# Entry Seals

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM75/54 | Entry seal, pipe 75/63/54 mm | Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63/54 | 8 |
| KP M75/54 | Entry seal, pipe 75 to 54 mm | Use hole saw Ø 92 mm. | 75/63/54 | 15 |
| KP TM63-B | Entry seal, pipe 63 mm | Use hole saw Ø 114 mm. | 63 | 8 |

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## Blind entry seal

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM75/54B | Blind entry seal, pipe 75/63/54 mm | Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63/54 | 10 |

# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-63F | Transition fitting 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 12 |
| KP C17-63/54F | Transition fitting 63/54 mm, reduced, steel | 1½" BSPT female / Rc 1½" | 63/54 | 12 |
| KP C17-63FL | Transition fitting 50 cm stub, 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 10 |
| KP C17-63/54FL | Transition fitting 50 cm stub, 63/54 mm, reduced, steel | 1½" BSPT female / Rc 1½" | 63/54 | 10 |

### Male transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-63M | Transition fitting 63 mm, steel | 2" BSPT male / R 2" | 63 | 12 |
| KP C17-63ML | Transition fitting 50 cm stub, 63 mm, steel | 2" BSPT male / R 2" | 63 | 10 |
| KP C17-63/54ML | Transition fitting 50 cm stub, 63/54 mm, reduced, steel | 1½" BSPT male / R 1½" | 63/54 | 10 |

### Female transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-63F | Transition fitting 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 10 |
| KP C16-63/54F | Transition fitting 63/54 mm, reduced, steel | 1½" BSPT female / Rc 1½" steel | 63/54 | 10 |
| KP C16-63FL | Transition fitting 50 cm stub 63 mm, steel | 2" BSPT female / Rc 2" | 63 | 1 |

### Male transition flange fittings, with spacer, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C16-63M | Transition fitting 63 mm, steel | 2" BSPT male / R 2" | 63 | 10 |
| KP C16-63/54M | Transition fitting 63/54 mm, reduced, steel | 1½" BSPT male / R 1½" | 63/54 | 10 |
| KP C16-63ML | Transition fitting 50 cm stub, 63 mm, steel | 2" BSPT male / R 2" | 63 | 1 |

### Conductive stub flanges, DIN flanges and gaskets for pipe termination

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C20-63 | Stub flange, DIN flange and gasket 63 mm, steel | | 63 | 4 |
| KP C20-63L | Stub flange, 50 cm stub, DIN flange and gasket 63 mm, steel | | 63 | 1 |
| KP W6-63 | Separate threaded DIN flange 63 mm, steel | BSPT 2" female / Rc 2" | 63 | 1 |

*Separate flange in stainless steel available upon request*

### Compression transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C14-63M | Transition fitting 63 mm, brass | 2" BSPT male / R 2" | 63 | 1 |
| KP C14-63MS | Transition fitting 63 mm, stainless steel | 2" BSPT male / R 2" Extended delivery time may apply. | 63 | 1 |
| KP C14-63/54M | Transition fitting 63/54 mm, reduced, brass | 1½" BSPT male / R 1½" | 63 | 1 |
| KP C14-63/25M | Transition fitting 63/25 mm, reduced, brass | 1" BSPT male / R 1" | 63 | 1 |

### Flange fittings

| Article Number | Description | Remark | | Pack Size |
|---|---|---|---|---|
| KP F16-63MM | Flange fitting | 2" BSPT male-male / R-R 2" | | 1 |
| KP F16-63MF | Flange fitting | 2" BSPT male-female / R-Rc 2" | | 1 |
| KP F16-63FF | Flange fitting | 2" BSPT female-female / Rc-Rc 2" | | 1 |

# Flexible Connectors and Valves

### Conductive flexible connectors, union coupling

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP T50-4S | Flex hose 400 mm, stainless | BSPT 2" male x 2" female union   R 2" x Rc 2" union | 400 |
| KP T50-6S | Flex hose 600 mm, stainless | BSPT 2" male x 2" female union   R 2" x Rc 2" union | 600 |
| KP T50-8S | Flex hose 800 mm, stainless | BSPT 2" male x 2" female union   R 2" x Rc 2" union | 800 |
| KP T50-12S | Flex hose 1200 mm, stainless | BSPT 2" male x 2" female union   R 2" x Rc 2" union | 1200 |

### Conductive flexible connectors, hexagon nipple type

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP TN50-4S | Flex hose 400 mm, stainless | BSPT 2" male x male / R 2" x R 2" | 400 |
| KP TN50-6S | Flex hose 600 mm, stainless | BSPT 2" male x male / R 2" x R 2" | 600 |

### Valves

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP 14-050 | Ball valve 2" | BSPT 2" female / Rc 2" | 1 |
| KP 15-050 | Shut-off valve 2" | BSPT 2" female / Rc 2" | 1 |
| KP 15-050HL | Shut-off valve handle | To open and close shut-off valve from surface level. | 1 |

# AdBlue Fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C14-63MS | Transition fitting 63 mm, stainless steel | 2" BSPT male / R 2" | 63 | 1 |

*Extended delivery time may apply on stainless steel fittings.*

# Pipe

# KPS™ 54 mm 1-1/2" Primary Piping

### Conductive petrol pipes with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 54EC6 | Pipe 54 mm, conductive | Pipe 54 mm, 5.8 m lengths. 60 units per package | 54 | 348 m |
| KP 54EC50 | Pipe 54 mm, conductive | Pipe 54 mm, 50 m coil | 54 | 50 m |
| KP 54EC100 | Pipe 54 mm, conductive | Pipe 54 mm, 100 m coil | 54 | 100 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

### Conductive connectors for pipe joints

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP CC-54 | Conductor 54 mm, conductive | | 54 | 50 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

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# Welding Sockets

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-54 | Welding socket 54 mm | | 54 | 40 |
| KP 2-54R | Welding socket 54 mm, no pipe stop | Slides over the pipe | 54 | 1 |

# Bends, Elbows and Tees

### Conductive formed bends and elbows with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-54FC | Bend 90° 54 mm, conductive | | 54 | 10 |
| KP 3-54FCL | Bend 90° 54 mm, conductive, long type | 48 cm extra length | 54 | 1 |
| KP 4-54FC | Bend 45° 54 mm, conductive | | 54 | 20 |

### Conductive tee with permeation barrier

| | | | | |
|---|---|---|---|---|
| KP 8-54FC02 | Tee 54 mm, conductive | Equal tee | 54 | 18 |

# Entry Seals

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM75/54 | Entry seal, pipe 75/63/54 mm | Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63/54 | 8 |
| KP M75/54 | Entry seal, pipe 75 to 54 mm | Use hole saw Ø 92 mm. | 75/63/54 | 15 |

### Blind entry seal

| | | | | |
|---|---|---|---|---|
| KP TM75/54B | Blind entry seal, pipe 75/63/54 mm | Threaded, no bolts necessary. Use hole saw Ø 114 mm. | 75/63/54 | 10 |

# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-54F | Transition fitting 54 mm, steel | 1½" BSPT female / Rc 1½" | 54 | 15 |

### Male transition fittings, conductive, plastic to steel

| | | | | |
|---|---|---|---|---|
| KP C17-54M | Transition fitting 54 mm, steel | 1½" BSPT male / R ½" | 54 | 15 |

### Female transition flange fittings, with spacer, conductive, plastic to steel

| | | | | |
|---|---|---|---|---|
| KP C16-54F | Transition fitting 54 mm, steel | 1½" BSPT female / Rc 1½" | 54 | 10 |

### Male transition flange fittings, with spacer, conductive, plastic to steel

| | | | | |
|---|---|---|---|---|
| KP C16-54M | Transition fitting 54 mm, steel | 1½" BSPT male / R 1½" | 54 | 10 |

### Conductive stub flanges, DIN flanges and gaskets for pipe termination

| | | | | |
|---|---|---|---|---|
| KP C20-54 | Stub flange, DIN flange and gasket 54 mm, steel | | 54 | 4 |
| KP W6-54 | Separate threaded DIN flange 54 mm, steel | BSPT 1½" female / Rc 1½" | 54 | 1 |

*Separate flange in stainless steel available upon request*

### Compression transition fittings, conductive, plastic to steel

| | | | | |
|---|---|---|---|---|
| KP C14-54M | Transition fitting 54 mm, brass | 1½" BSPT male / R 1½" | 54 | 1 |

### Flange fittings

| | | | | |
|---|---|---|---|---|
| KP F16-54MM | Flange fitting | 1½" BSPT male-male / R-R 1½" | | 1 |
| KP F16-54MF | Flange fitting | 1½" BSPT male-female / R-Rc 1½" | | 1 |
| KP F16-54FF | Flange fitting | 1½" BSPT female-female / Rc-Rc 1½" | | 1 |

# Flexible Connectors and Valves

### Conductive flexible connectors, union coupling

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP T40-4S | Flex hose 400 mm, stainless | BSPT 1½" male x 1½" female union  R 1½" x Rc 1½" union | 400 |
| KP T40-6S | Flex hose 600 mm, stainless | BSPT 1½" male x 1½" female union  R 1½" x Rc 1½" union | 600 |
| KP T40-13S | Flex hose 1300 mm, stainless | BSPT 1½" male x 1½" female union  R 1" x Rc 1" union | 1300 |

### Conductive flexible connectors, hexagon nipple type

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP TN40-3S | Flex hose 300 mm, stainless | BSPT 1½" male x male / R 1½" x R 1½" | 300 |
| KP TN40-4S | Flex hose 400 mm, stainless | BSPT 1½" male x male / R 1½" x R 1½" | 400 |
| KP TN40-6S | Flex hose 600 mm, stainless | BSPT 1½" male x male / R 1½" x R 1½" | 600 |
| KP TN40-10S | Flex hose 1000 mm, stainless | BSPT 1½" male x male / R 1½" x R 1½" | 1000 |
| KP TN40-13S | Flex hose 1300 mm, stainless | BSPT 1½" male x male / R 1½" x R 1½" | 1300 |

### Valves

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP 14-040 | Ball valve 1½" | BSPT 1½" female / Rc 1½" | 1 |

# Pipe

# KPS™ 32 mm 1" Primary Piping

### Conductive petrol pipes with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 32EC50 | Pipe 32 mm, conductive | Pipe 32 mm, 50 m coil | 32 | 50 m |
| KP 32EC100 | Pipe 32 mm, conductive | Pipe 32 mm, 100 m coil | 32 | 100 m |
| KP 32EC200 | Pipe 32 mm, conductive | Pipe 32 mm, 200 m coil | 32 | 200 m |

*Approved according to EN 14125, German standard, EN 13463-1, IP2 and ATEX 137 (directive 1999/92/EC).*

### Conductive connectors for pipe joints

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP CC-32 | Conductor 32 mm, conductive | | 32 | 30 |

*Connectors used to bridge joints thereby maintaining conductivity throughout the pipe system. Patented design.*

# Welding Sockets

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-32 | Welding Socket 32mm | Only for electrical conduit 75mm | 32 | 1 |

# Entry Seals

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP TM32/15 | Entry seal, pipe 32/20/15 mm | Threaded, no bolts necessary. Use hole saw Ø 168 mm. | 32/20/15 | 8 |
| KP M50-32 | Entry seal, pipe 32 mm | | 32 | 1 |

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# Transition Fittings

### Female transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-32F | Transition fitting 32 mm, steel | 1" BSPT female / Rc 1" | 32 | 1 |
| KP C17-32FS | Transition fitting 32 mm, stainless steel | 1" BSPT female / Rc 1" <br> Extended delivery time may apply. | 32 | 1 |

### Compression transition fittings, conductive, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C14-32M | Transition fitting 32 mm, brass | 1¼" BSPT male / R 1¼" | 32 | 2 |
| KP C14-32MS | Transition fitting 32 mm, stainless steel | 1¼" BSPT male / R 1¼" | 32 | 1 |

### Transition compression PRK fittings, plastic to steel

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP PRK-32M | PRK fitting 32 mm, steel | 1¼" BSPT male / R 1¼" | 32 | 1 |
| KP PRK-32MR | PRK fitting 32/25 mm, reduced, steel | 1¼" BSPT male / R 1¼" | 32 | 1 |

# Flexible Connectors and Valves

### Conductive flexible connectors, union coupling

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP T25-10S | Flex hose 1000 mm, stainless | BSPT 1" male x 1" female union  / R 1" x Rc 1" union | 1000 |
| KP T25-13S | Flex hose 1300 mm, stainless | BSPT 1" male x 1" female union  / R 1" x Rc 1" union | 1300 |

### Conductive flexible connectors, hexagon nipple type

| Article Number | Description | Remark | Length (mm) |
|---|---|---|---|
| KP TN25-6S | Flex hose 600 mm, stainless | BSPT 1" male x male / R 1" x R 1" | 600 |
| KP TN25-13S | Flex hose 1300 mm, stainless | BSPT 1" male x male / R 1" x R 1" | 1300 |

### Valve

| Article Number | Description | Remark | |
|---|---|---|---|
| KP 14-025 | Ball valve 1" | BSPT 1" female / Rc 1" | 1 |

# AdBlue Fittings

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP C17-32FS | Transition fitting 32 mm, stainless steel | 1" BSPT female / Rc 1" | 32 | 1 |
| KP C14-32MS | Transition fitting 32 mm, stainless steel | 1" BSPT male / R 1" | 32 | 1 |

*Extended delivery time may apply on stainless steel fittings.*

# Conduits

# KPS™ Conduits

### Conduits for electric cables, with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Length (m) |
|---|---|---|---|---|
| KP 75EL100 | Electrical conduit 75 mm | Pipe 75 mm, 100 m coil <br> with permeation barrier | 75 | 100 m |
| KP 32EL200 | Electrical conduit 32 mm | Pipe 32 mm, 200 m coil <br> with permeation barrier | 32 | 200 m |

## Welding Sockets

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 2-75 | Welding socket 75 mm | ONLY for electrical conduit 75 mm. | 75 | 36 |
| KP 2-32 | Welding socket 32 mm | | 32 | 1 |

## Elbows

### Conduits for electric cables, with permeation barrier

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 3-75 | Elbow 90° 75 mm, moulded | For electrical conduits only | 75 | 8 |
| KP 3-32 | Elbow 90° 32 mm, moulded | For electrical conduits only | 32 | 20 |

# KPS™ Tools and Equipment

## KPS Welding Equipment

### Welding equipment

| Article Number | Description | Remark | | Pack Size |
|---|---|---|---|---|
| KP 108B | Welding machine, 230V | Includes box and cables | | 1 |
| KP 318 | Welding kit | Including KP 108, 5 x KP 1001 and 6 x KP 409. | | 1 |

### Welding fixtures

| Article Number | Description | Remark | | Pack Size |
|---|---|---|---|---|
| KP 1001 | Welding fixture, double clamp | For 40–125 mm pipes | | 1 |
| KP 409 | Welding fixture, single clamp | For 40–125 mm pipes | | 1 |

### Spare welding cables

| Article Number | Description | Remark | | Pack Size |
|---|---|---|---|---|
| KP 10802 | Connection cable, for 2 mm pin, 800 mm | ORANGE for machine KP 108 | 2 | 1 |
| KP 10803 | Connection cable, for 4 mm pin, 800 mm | GREY for machine KP 108 | 4 | 1 |
| KP 10804 | Jumper cable, serial, for 2 mm pins, 600 mm | For welding in series | 2 | 1 |

## Pipe Installation Tools and Equipment

### Pipe Installation Tools

| Article Number | Description | Remark | Ø (mm) | Pack Size |
|---|---|---|---|---|
| KP 505 | Scraper | To remove PE oxide from pipes before welding | | 1 |
| KP RTC160 | Pipe scraper for pipes 50–160 mm | To remove PE oxide from pipes before welding | | 1 |
| KP RTC315 | Pipe scraper for pipes 75–315 mm | To remove PE oxide from pipes before welding | | 1 |
| KP 475 | Pipe cutter 50–127 mm | Rotating pipe cutter including a deburring knife | 50–127 mm | 1 |
| KP 474 | Pipe cutter 6–67 mm | Rotating pipe cutter | 6–67 mm | 1 |
| KP 4750 | Cutting wheels for KP 475 | Contains 2 pcs | | 1 |
| KP 4740 | Cutting wheels for KP 474 | Contains 1 pce | | 1 |
| KP 400 | Pipe scissors 63 mm | For pipes up to 63 mm | 0–63 mm | 1 |
| KP 4751 | Deburring knife | | | 1 |
| KP 319 | Pipe cutter/ Scissor kit | Includes KP 400, KP 475 and KP 505 | | 1 |
| KP SB-01 | Sandbags | To keep pipes in place during installation and for separation of crossing pipes | | 100 |

*Pipe Installation Tools and Equipment / continued*

| Article Number | Description | Remark | | Pack Size |
|---|---|---|---|---|
| KP PEN | Pipe marking pen, silver | | | 1 |
| KP PASTE | Copper paste 100 ml | | | 1 |
| KP 490 | Pipe support tripod | Complete "working table" to fixate pipe | | 1 |
| KP UC-01 | Uncoiling equipment for pipe coils | Fits on a pallet when not mounted | | 1 |
| KP ID TIE | Cable tie marking strap | Tie around pipe for marking. Text: "KPS Conductive" | | 100 |
| KP 300 | Installation kit | Incl. KP 318, KP 319, KP 322, KP 901 and KP LP01  The complete KPS welding kit with welding machine, fixtures, pipe scissors, rotating cutter, scraper, pressure test kit, conductive tester and laser pointer | | 1 |
| KP 900 | Kit box | 550 x 362 x 300 mm | | 1 |
| KP 901 | Kit box | 765 x 362 x 300 mm | | 1 |
| KP TMS-1 | Entry seal tool, 75/63 | Spanner for threaded entry seals | | 1 |
| KP TMS-2 | Entry seal tool, 125/110 | Spanner for threaded entry seals | | 1 |
| KP LP01 | Laser pointer | For quick and correct positioning of entry seals | | 1 |

## KPS Testing Equipment

| Article Number | Description | Remark | | Pack Size |
|---|---|---|---|---|
| KP 316 | Pressure gauge | Including 4 m KPKTPA-6/4 pressure tube PA 6 mm | | 1 |
| KPKTPA-6/4 | Pressure tube, polyamide (PA) | 100 m | 6 | 1 |
| KP 313-013 | Pressure test flange for KP C16 54 - 63 mm | To blank off primary pipe and connect to pressure test kit | 54/63 | 1 |
| KP 313-015 | Pressure test flange for KP C16 90 - 110 mm | To blank off primary pipe and connect to pressure test kit | 90/110 | 1 |
| KP CT01 | Conductivity tester | To verify conductivity in the conductive pipe system. Delivered with 10 MΩ calibrator | | 1 |
| KP 322 | Test equipment kit | Pressure and conductivity test kit (KP 316, KP CT01) | | 1 |

# Flexworks

## Piping

| Article Number | Description | Remark |
|---|---|---|
| GFP-2400R | Double Wall, 4" Reel | EN 14125 Approved |
| GFP-2300R | Double Wall, 3" Reel | EN 14125 Approved |
| GFP-2200R | Double Wall, 2" Reel | EN 14125 Approved |
| GFP-2150R | Double Wall, 1.5" Reel | EN 14125 Approved |
| AP40-100 | Access pipe 4", 100 ft. | |
| AP40-250 | Access pipe 4", 250 ft. | |

## Fittings

| Article Number | Description | Remark |
|---|---|---|
| DPC-2400 | Double Wall, 4" | Swivel Pipe Coupling |
| DPC-2300 | Double Wall, 3" | Swivel Pipe Coupling |
| DPC-2200B | Double Wall, 2" BSPT | Swivel Pipe Coupling |
| DPC-2200 | Double Wall, 2" | Swivel Pipe Coupling |
| DPC-2150 | Double Wall, 1.5" | Swivel Pipe Coupling |

## Entry Seals

| Article Number | Description | Weight | Hole Saw |
|---|---|---|---|
| EBF-0200 | 2" Entry Boot Fitting for 2" DW Flexworks Pipe or 2" LCX | 1.8 lbs.  /  0.8 kg | 3 3/4"  /  9.52 cm |
| DEB-4020 | 4" to 2" Double Entry Boot Fitting for 4" Flexworks Access Pipe to 2" DW FlexWorks Pipe - (a) with Air Stream | 3.2 lbs.  /  1.45kg | 4"  /  10.79 cm |

## Tools

| Article Number | Description |
|---|---|
| CME-0220 | Coupling machine, 220 V |
| CMM-200 | Manual Coupling Machine |
| CSK-0150S | 1.5" Double Wall Swivel Swage Kit |
| CSK-0200S | 2" Double Wall Swivel Swage Kit |
| CSK-0300S | 3" Double Wall Swivel Swage Kit |
| CSK-0400S | 4" Double Wall Swivel Swage Kit |
| PCT-1000 | Pipe cutter |
| JCT-0150 | 1.5" Jacket cutter |
| JCT-0200 | 2" Jacket cutter |
| JCT-0300 | 3" Jacket cutter |
| JCT-0400 | 4" Jacket cutter |

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# Covers & Containment

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## Fibrelite™ Covers

### Round Covers

| Article Number | Description | Ø (mm) |
|---|---|---|
| FL120* | Flat sealed composite cover with a composite frame. | 300 |
| FL120-MW | Flat sealed composite cover with a "DO NOT FILL" ID plate for a observation well with a composite frame | 300 |
| FL120-GP | Flat sealed composite cover with a grounding point ID and a composite frame. | 300 |
| FL180* | Flat sealed composite cover with a composite frame. | 457 |
| FL600* | Flat sealed composite cover with a composite frame. | 457 |
| FL760* | Flat sealed composite cover with a composite frame. | 792 |
| FL90* | Flat sealed composite cover with a composite frame. | 900 |
| FL100* | Flat sealed composite cover with a composite frame. | 1020 |
| FL100-CF* | Flat sealed composite cover and frame with centre fill sealed port cover (254mm dia.) | 1020 |
| FL100-CD* | Flat sealed composite cover and frame with centre dip sealed port cover (254mm dia.) | 1020 |
| FL100-OF275* | Flat sealed composite cover and frame with offset (275mm) fill sealed port cover (254mm dia.) | 1020 |
| FL100-OF8* | Flat sealed composite cover and frame with offset (203mm) fill sealed port cover (254mm dia.) | 1020 |
| FL100-OD* | Flat sealed composite cover and frame with offset (203mm) dip sealed port cover (254mm dia.) | 1016 |
| FL100-MP16* | Multiport composite flat sealed cover and frame with two removable port covers on 406mm centres. | 1020 |

*All covers are C250 load rated. *Covers where D400 load rating is available.*

### Square Covers

| Article Number | Description | Ø (mm) |
|---|---|---|
| FL45 | Raised composite cover with an aluminium frame. | 450 |
| FL450* | Flat sealed composite cover with an aluminium frame. | 475 |
| FL60* | Flat sealed composite cover with an aluminium frame. | 600 |
| FL1 | Raised composite cover with an aluminium frame. | 600 |
| FL76* | Flat sealed composite cover with an aluminium frame. | 760 |
| FL76-CD* | Flat sealed composite cover and aluminium frame with centre dip sealed port cover (254mm dia.) | 760 |
| FL10 | Raised composite cover with an aluminium frame. | 766 |
| FL900* | Flat sealed composite cover with an aluminium frame. | 900 |

### Rectangular Covers

| Article Number | Description | Ø (mm) |
|---|---|---|
| FL3 | Raised composite cover with an aluminium frame. | 766 x 600 |
| FL96* | Flat sealed composite cover with an aluminium frame. | 900 x 600 |
| FL140* | Flat sealed composite cover with aluminium frame. | 1400 x 700 |

*All covers are C250 load rated. *Covers where D400 load rating is available.*

## Fibrelite™ Cover Accessories

### Lifting Handles

| Article Number | Description |
|---|---|
| FL7 | Lifting Handle |
| FL7A | Lifting Handle (assisted). Aluminium |
| FL7A-ENCL | 910mm x 362mm x 100mm lockable cabinet to house two FL7A lifting handles. |

### Seal Replacement Kits

| | |
|---|---|
| FC-254-SEAL | 254 mm Diameter Dip/Fill Cover |
| FL100-SRK | FL100 Round Cover |
| FL120-SRK | FL120 Round Cover |
| FL180-SRK | FL180 Round Cover |

*Fibrelite™ Cover Accessories - continued*

| Article Number | Description |
|---|---|
| FL600-SRK | FL600 Round Cover |
| FL760-SRK | FL760 Round Cover |
| FL90-SRK | FL90 Round Cover |
| FL450-SRK | FL450 Square Cover |
| FL60-SRK | FL60 Square Cover |
| FL76-SRK | FL76 Square Cover |
| FL96-SRK | FL96 Rectangle Cover |
| FL900-SRK | FL900 Square Cover |
| FL140-SRK | FL140 Square/Rectangle Cover |

### Captive lock down system

| Article Number | Description |
|---|---|
| FIB90-L | Captive lock down system for FL90, FL100, FL120, FL180, FL600 and FL760 cover and frame. |
| FIB76-L | Captive lock down system for FL76, FL60, FL140, FL450, FL900 & FL96 cover & frame. |
| FIB2-L | Captive lock down system to fit all flat sealed covers. |

### Skirts / Round

| Article Number | Description | Depth |
|---|---|---|
| FL100-SK300 | GRP skirt to fit FL100 cover frame. | 325 |
| FL120-SK300 | FRP skirt to fit FL120 cover. | 290 |

*Fibrelite™ Skirts / Round / continued*

| Article Number | Description | Depth (mm) |
|---|---|---|
| FL180-SK300 | FRP skirt to fit FL180 cover, straight. | 290 |
| FL600-SK300 | FRP skirt to fit FL600 cover, straight. | 300 |
| FL760-SK300 | FRP skirt to fit FL760 cover, straight. | 300 |
| FL90-SK250 | FRP skirt to fit FL90 cover, flared out. | 252 |
| FL90-SK300 | FRP skirt to fit FL90 cover, straight. | 300 |

### Skirts / Square

| Article Number | Description | Depth (mm) |
|---|---|---|
| FL1-SK300 | FRP skirt to fit FL1 cover. | 300 |
| FL10-76-SK300 | Skirt to fit FL10 & FL76 frame. | 277 |
| FL45-SK300 | FRP skirt to fit FL45 cover. | 300 |
| FL450-SK300 | FRP skirt to fit FL450 cover. | 300 |
| FL60-SK250 | FRP skirt to fit FL60 cover. | 280 |
| FL900-SK300 | FRP skirt to fit FL900 cover. | 300 |

### Skirts / Rectangle

| Article Number | Description | Depth (mm) |
|---|---|---|
| FL140-SK300 | FRP skirt to fit FL140 cover. | 300 |
| FL96-SK300 | FRP skirt to fit FL96 cover. | 300 |

# Fibrelite™ Tank Sumps for GRP Tanks with Collar Ring

## Turbine Sumps

| | Article Number | Description | Ø (m) |
|---|---|---|---|
| | S8CR-390 | Chamber with collar ring base connection, a corbel, non-structural internal lid, adjustable skirt and round 900mm flat sealed cover and composite frame. | 1.2 |
| | S8CR-390-WT | Chamber with collar ring base connection, a sealed corbel, watertight platform, s/steel ring, adjustable skirt and round 900mm flat sealed cover and composite frame. | 1.2 |
| | S8CR-390-CD | Chamber with collar ring base, a sealed corbel, non-structural internal lid with molded hole, adjustable skirt and round 900mm flat sealed cover with a sealed central dip cover (254mm diameter) and composite frame. | 1.2 |
| | S8CR-390-OD | Chamber with collar ring base, sealed corbel, non-structural internal lid with molded hole, adjustable skirt, frame and round 900mm flat sealed cover with offset dip cover (254 mm diameter) and frame. | 1.2 |
| | S15CR-390 | Chamber with collar ring base, a corbel, non-structural internal lid, adjustable skirt and round 900mm flat sealed cover and composite frame. | 1.45 |
| | S15CR-3100 | Sealed chamber with collar ring base, a corbel, non-structural internal lid, adjustable skirt and round 1020mm flat sealed cover and composite frame. | 1.45 |
| | S15CR-390-WT | Chamber with collar ring base connection, a sealed corbel, watertight platform, s/steel ring, adjustable skirt and round 900mm flat sealed cover and composite frame. | 1.45 |

| | Article Number | Description | Ø (m) |
|---|---|---|---|
| | S15CR-390-CD | Chamber with collar ring base, a sealed corbel, non-structural internal lid with molded hole, adjustable skirt and round 900mm flat sealed cover with a sealed central dip cover (254mm dia.) and composite frame. | 1.45 |
| | S15CR-390-OD | Chamber with collar ring base, sealed corbel, non-structural internal lid with molded hole, adjustable skirt, frame and round 900mm flat sealed cover with offset dip cover (254 mm dia.) and frame. | 1.45 |
| | S16CR-3100 | Chamber with collar ring base, a corbel, non-structural internal lid, adjustable skirt and round 1020mm flat sealed cover and composite frame. | 1.5 |
| | S16CR-3100-WT | Chamber with collar ring base connection, a sealed corbel, watertight platform, s/steel ring, adjustable skirt and round 1020mm flat sealed cover and composite frame. | 1.5 |
| | S16CR-3100-CD | Chamber with collar ring base, a sealed corbel, non-structural internal lid with molded hole, adjustable skirt and round 1020mm flat sealed cover with a sealed central dip cover (254mm dia.) and composite frame. | 1.5 |
| | S16CR-3100-OD | Chamber with collar ring base, sealed corbel, non-structural internal lid with molded hole, adjustable skirt, frame and round 1020mm flat sealed cover with offset dip cover (254 mm dia.) and frame. | 1.5 |

## Fill Sumps

| Article Number | Description | Ø (m) |
|---|---|---|
| S15CR-390-CF | Chamber with collar ring base, a sealed corbel with s/steel ring, spill tray with molded hole (to fit OPW spill bucket), adjustable skirt and round 900mm flat sealed cover with a sealed central fill cover (254mm dia.) and composite frame. | 1.45 |
| S15CR-3100-MP16 | Chamber with collar ring base, a sealed corbel with s/steel ring, spill tray with 2 molded holes (to fit OPW spill bucket), adjustable skirt and round 1020mm flat sealed cover with two sealed port covers (254mm dia.) and composite frame. | 1.45 |
| S15CR-3100-OF8 | Chamber with collar ring base, a sealed corbel with s/steel ring, spill tray with molded hole (to fit OPW spill bucket), adjustable skirt and round 1020mm flat sealed cover with a sealed offset fill cover (254mm dia.) and composite frame. | 1.45 |
| S15CR-3100-CF | Chamber with collar ring base, a sealed corbel with s/steel ring, spill tray with molded hole (to fit OPW spill bucket), adjustable skirt and round 1020mm flat sealed cover with a sealed central fill cover (254mm dia.) and composite frame. | 1.45 |

## Green Area Chamber Systems

| Article Number | Description | Ø (m) |
|---|---|---|
| S8CR-290-WT-GA | Chamber with collar ring, corbel, s/steel ring and watertight platform. Designed for green area applications. | 1.2 |
| S15CR-290-WT-GA | Chamber with collar ring base, corbel, s/steel ring and watertight platform. Designed for green area applications. | 1.45 |
| S16CR-2100-WT-GA | Chamber with collar ring base, corbel, watertight platform and ring. Designed for green area applications. | 1.45 |

## Accessories

| Article Number | Description | Ø (m) |
|---|---|---|
| S8-EX300 | 300mm deep extension to fit S8, S8CR & S8SB sump systems. | |
| S15CR-EX300 | 300mm deep extension to fit S15 CR sumps systems. | |
| S16-EX300 | 300mm deep extension to fit S16 CR sump systems. | |
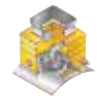
# Fibrelite™ Tank Sumps for Steel Tanks
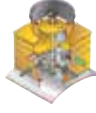
## Round/Multi-sided Sumps
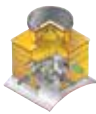
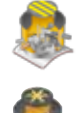| Article Number | Description | Ø (m) |
|---|---|---|
| S8-376 | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid and square 760mm flat sealed cover and frame. | 1.2 |
| S8-376-CD | Bolted base chamber with a corbel, adjustable skirt, non-structural internal lid with central dip port and square 760mm flat sealed cover with a sealed central dip cover and frame. | 1.2 |
| S8-390 | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid and 900mm dia. flat sealed cover and frame. | 1.2 |
| S8-390-CD | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid with central hole and 900mm dia. flat sealed cover with a sealed central dip cover and frame. | 1.2 |
| S14-390 | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid and 900mm dia. flat sealed cover and frame. | 1.4 |
| S14-390-WT | Bolted base chamber with corbel, adjustable skirt, s/steel ring, watertight platform and 900mm dia. flat sealed cover and frame. | 1.4 |
| S14-3100-WT | Bolted base chamber with corbel, adjustable skirt, s/steel ring, watertight platform and 1020mm dia. flat sealed cover and frame. | 1.4 |
| S14-390-CD | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid with central hole and 900mm dia. flat sealed cover with a sealed central dip cover and frame. | 1.4 |
| S16-3100 | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid and 1020mm dia. flat sealed cover and frame. | 1.5 |

| Article Number | Description | Ø (m) |
|---|---|---|
| S16SQ-3100 | Chamber with a 1m square bolted base, corbel, adjustable skirt, non-structural internal lid and 1020mm dia. flat sealed cover and frame. | 1.5 |
| S16-3100-CD | Bolted base chamber with corbel, adjustable skirt, non-structural internal lid with central hole and 1020mm dia. flat sealed cover with a sealed central dip cover and frame. | 1.5 |
| S16SQ-3100-CD | Chamber with a 1m square bolted base, corbel, adjustable skirt, non-structural internal lid with central hole and 1020mm dia. flat sealed cover with a sealed central dip cover and frame. | 1.5 |

## Square/Octagonal Sumps

| Article Number | Description | Ø (m) |
|---|---|---|
| S6-376 | Square bolted base chamber with a sealed corbel, non-structural internal lid, adjustable skirt and square 760mm flat sealed cover and frame. 1m² tank flange connection. | 1.2 |
| S7-376 | Square bolted base chamber with a sealed corbel, non-structural internal lid, adjustable skirt and square flat sealed 760mm cover and frame. 1.2m tank flange detail. | 1.2 |
| S6-376-CD | Square bolted base chamber with a sealed corbel, non-structural internal lid with central hole, adjustable skirt and square 760mm flat sealed central dip cover and frame. 1m² tank flange connection. | 1.2 |
| S7-376-CD | Square bolted base chamber with a sealed corbel, adjustable skirt, non-structural internal lid with central hole and square 760mm flat sealed central dip cover and frame. 1.2m² tank flange detail. | 1.2 |
| S6-390 | Square bolted base chamber with a sealed corbel, adjustable skirt, non-structural internal lid and round 900mm flat sealed cover and frame. 1m² square tank flange detail. | 1.2 |

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| Article Number | Description | Ø (m) |
|---|---|---|
| S7-390 | Square bolted base chamber with a sealed corbel, adjustable skirt, non-structural internal lid and round 900mm flat sealed cover and frame. 1.2m² tank flange detail. | 1.2 |
| S6-390-WT | Square bolted base chamber with a sealed corbel, adjustable skirt, s/steel ring, watertight platform and round 900mm flat sealed cover and frame. 1m² square tank flange detail. | 1.2 |
| S7-390-WT | Square bolted base chamber with a sealed corbel, adjustable skirt, s/steel ring, watertight platform and round 900mm flat sealed cover and frame. 1.2m² square tank flange detail. | 1.2 |
| S6-390-CD | Square bolted base chamber with a sealed corbel, non-structural internal lid with central hole, adjustable skirt and round 900mm flat sealed central dip cover and frame. 1m2 tank flange connection. | 1.2 |
| S7-390-CD | Square bolted base chamber with a sealed corbel, adjustable skirt, non-structural lid with central hole and round 900mm flat sealed cover with a central dip cover and frame. 1.2m² tank flange detail. | 1.2 |
| S18-3100 | Chamber with bolted base, corbel, non-structural internal lid, adjustable height skirt and round 1020mm flat sealed cover and frame. | 1.3 x 1.5 |
| S12-390 | Eight sided round bolted base chamber, corbel, adjustable height skirt, non-structural internal lid and round 900mm flat sealed cover and frame. | 1.2 |
| S12-390-WT | Eight sided round bolted base chamber, corbel, adjustable height skirt, s/steel ring, watertight platform and round 900mm flat sealed cover and frame. | 1.2 |
| S12SQ-390 | Eight sided chamber with 1m square bolted base, corbel, adjustable height skirt, non-structural internal lid and round 900mm flat sealed cover and frame. | 1.2 |
| S12SQ-390-WT | Eight sided chamber with 1m square bolted base, corbel, adjustable height skirt, s/steel ring, watertight platform and round 900mm flat sealed cover and frame. | 1.2 |

## Round Green Area Systems

| Article Number | Description | Ø (m) |
|---|---|---|
| S8-290-GA | Bolted base chamber, corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.2 |
| S8-290-WT-GA | Bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. | 1.2 |
| S8-2100-GA | Bolted base chamber, corbel and non-structural internal lid with a watertight gasket, 2 fastening clips and 2 handles. 965mm clear opening. | 1.2 |
| S8-2100-WT-GA | Bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. 965mm clear opening. | 1.2 |
| S14-290-GA | Bolted base chamber, corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.2 |
| S14-290-WT-GA | Bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening. | 1.4 |
| S16-290-GA | Bolted base chamber, corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.5 |

| Article Number | Description | Ø (m) |
|---|---|---|
| S16-290-WT-GA | Bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening. | 1.5 |
| S16-2100-GA | Bolted base chamber, corbel and non-structural internal lid with a watertight gasket, 2 fastening clips and 2 handles. 965mm clear opening | 1.5 |
| S16-2100-WT-GA | Bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. 965mm clear opening | 1.5 |
| S16SQ-290-GA | Chamber with 1m square bolted base, corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening | 1.5 |
| S16SQ-290-WT-GA | Chamber with 1m square bolted base, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening. | 1.5 |
| S16SQ-2100-GA | Chamber with 1m square bolted base, corbel and non-structural internal lid with a watertight gasket, 2 fastening clips and 2 handles. 965mm clear opening | 1.5 |
| S16SQ-2100-WT-GA | Chamber with 1m square bolted base, corbel, s/steel ring, watertight structural platform with handle. 965mm clear opening. | 1.5 |

## Square/Octagonal Green Area Systems

| Article Number | Description | Ø (m) |
|---|---|---|
| S6-276-GA | Square bolted base chamber, sealed corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 730mm clear opening 1m² square tank flange detail. | 1.2 |
| S7-276-GA | Square bolted base chamber, sealed corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 730mm clear opening. 1.2m² square tank flange detail. | 1.2 |
| S12-290-GA | Eight sided round bolted base chamber, sealed corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.2 |
| S12-290-WT-GA | Eight sided round bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening. | 1.2 |
| S12SQ-290-GA | Eight sided chamber with 1 m square bolted base, sealed corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.2 |
| S12SQ-290-WT-GA | Eight sided chamber with 1 m square bolted base, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening. | 1.2 |
| S12-2100-GA | Eight sided round bolted base chamber, sealed corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 965mm clear opening. | 1.2 |
| S12-2100-WT-GA | Eight sided round bolted base chamber, corbel, s/steel ring, watertight structural platform with handle. 965mm clear opening. | 1.2 |
| S12SQ-2100-GA | Eight sided chamber with 1 m square bolted base, sealed corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 965mm clear opening | 1.2 |
| S12SQ-2100-WT-GA | Eight sided chamber with 1 m square bolted base, corbel, s/steel ring, watertight structural platform with handle. 965mm clear opening. | 1.2 |

## Accessories

| Article Number | Description | Ø (m) |
|---|---|---|
| S8-EX300 | 300 mm extension to fit S8, S8CR & S8SB sump systems. | 1.2 |
| S14-EX300 | 300 mm extension to fit S14 sumps systems | 1.4 |
| S16-EX300 | 300 mm extension to fit S16 sump systems. | 1.5 |
| S16SQ-EX300 | 300 mm extension to fit S16SQ sump systems. | 1.5 |
| S7-EX300 | 300 mm extension to fit S7 or S6 chamber systems | 1.2 |

# Fibrelite™ Tank Sumps for Retrofit to Existing Tanks

## Round/Multi-sided Sumps

| Article Number | Description | Ø (m) |
|---|---|---|
| S8SB-390 | Solid base chamber with sealed corbel, adjustable height skirt, non-structural internal lid and round 900mm flat sealed cover with frame. | 1.2 |
| S8SB-3100 | Solid base chamber with sealed corbel, adjustable height skirt, non-structural internal lid and round 1020mm flat sealed cover with frame. | 1.2 |
| S8SB-390-WT | Solid base chamber with sealed corbel, adjustable height skirt, s/steel ring, watertight platform and round 900mm flat sealed cover with frame. | 1.2 |
| S8SB-390-CD | Solid base chamber with corbel, adjustable skirt, non-structural internal lid with central hole and 900mm dia. flat sealed cover with a sealed central dip cover and frame. | 1.2 |
| S14SB-390 | Solid base chamber with sealed corbel, adjustable height skirt, non-structural internal lid and round 900mm flat sealed cover with frame. | 1.4 |
| S14SB-3100 | Solid base chamber with sealed corbel, adjustable height skirt, non-structural internal lid and round 1020mm flat sealed cover with frame. | 1.4 |
| S14SB-390-CD | Solid base chamber with corbel, adjustable skirt, non-structural internal lid with central hole and 900mm dia. flat sealed cover with a sealed central dip cover and frame. | 1.4 |

## Solid Base Round Green Area Systems

| Article Number | Description | Ø (m) |
|---|---|---|
| S8SB-290-GA | Solid base chamber, corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.2 |
| S8SB-290-WT-GA | Solid base chamber, corbel, s/steel ring, watertight structural platform with handle. | 1.2 |
| S8SB-2100-GA | Solid base chamber, corbel and non-structural internal lid with a watertight gasket, 2 fastening clips and 2 handles. 965mm clear opening | 1.2 |
| S8SB-2100-WT-GA | Solid base chamber, corbel, s/steel ring, watertight structural platform with handle. 965mm clear opening | 1.2 |
| S14SB-290-GA | Solid base chamber, corbel and non-structural lid with a watertight gasket, 2 fastening clips and 2 handles. 850mm clear opening. | 1.4 |
| S14SB-290-WT-GA | Solid base chamber, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening. | 1.4 |

## Accessories

| Article Number | Description | Ø (m) |
|---|---|---|
| S8-EX300 | 300mm extension to fit S8, S8CR & S8SB sump systems. | 1.2 |
| S14-EX300 | 300mm extension to fit S14 & S14B sump systems. | 1.4 |

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# Fibrelite™ Dispenser Sumps

Suction system includes pipework support rails. For pressure systems, order shear valve rails separately.

## Dresser Wayne

| Article Number | Description | Dim. (mm) |
|---|---|---|
| EL-W-VIS35 | GRP system with dispenser support rails to fit Wayne Vista narrow body (886mm, 35" wide) models. | 862 x 862 |
| EL-W-VIS35-DC | GRP system with dispenser support rails to fit Wayne Vista narrow body (886mm, 35" wide) models. Designed to fit between double canopy columns. | 780 x 780 |
| EL-W-VIS48 | GRP system with dispenser support rails to fit Wayne Vista wide body (1219mm, 48") models. | 1100 x 800 |
| EL-W-VIS48-DC | GRP system with dispenser support rails to fit Wayne Vista wide body (1219mm, 48" wide) models. Designed to fit between double canopy columns. | 780 x 780 |
| EL-W-VIS-390-399 | GRP system with dispenser support rails to fit Wayne Vista 390 and 399 models. | 1100 x 800 |
| EL-W-OVA | GRP system with dispenser support rails to fit Wayne Ovation models. | 1100 x 800 |
| EL-W-GC-G2200 | GRP system with dispenser support rails to fit Wayne Global Century G2200 models. | 862 x 862 |
| EL-W-GS-2 | GRP system with dispenser support rails to fit Wayne Global Star 2 hose model | 682 x 682 |
| EL-W-GS-4 | GRP system with dispenser support rails to fit Wayne Global Star 4 hose model | 1100 x 800 |
| EL-W-GS-6 | GRP system with dispenser support rails to fit Wayne Global Star 6 hose model | 1100 x 800 |
| EL-W-GS-8 | GRP system with dispenser support rails to fit Wayne Global Star 8 hose model | 1100 x 800 |
| EL-W-GSH | GRP solid base sump and corbel. Includes metal work. | 862 x 862 |
| EL-W-SATII | GRP solid base sump and corbel for Wayne SAT II Satellite Column. | 780 x 780 |

## Gilbarco Veeder-Root

| Article Number | Description | Dim. (mm) |
|---|---|---|
| EL-G-E500 | GRP system with dispenser support rails to fit Gilbarco Encore 500S model. | 1100 x 798 |
| EL-G-E500-NB | GRP system with dispenser support rails to fit Gilbarco Encore 500S narrow body model. | 1000 x 711 |
| EL-G-ADV-48 | GRP system with dispenser support rails to fit Gilbarco Advantage 48 wide body models. B02, B03, B04, B84 & B85. | 1100 x 800 |
| EL-G-ADV-36 | GRP system with dispenser support rails to fit Gilbarco Advantage 36" narrow body models. B20, B21, BD1, BD0, B42, B43. | 862 x 862 |
| EL-G-LEG | GRP system with dispenser support rails to fit Gilbarco Legacy models. | 682 x 682 |
| EL-G-ELEC | GRP system with dispenser support rails to fit Gilbarco Electroline models. | 682 x 682 |
| EL-G-EURO2-4 | GRP system with dispenser support rails to fit Gilbarco Euroline 2 grade 4 hose models. | 1100 x 800 |
| EL-G-HZN-4 | GRP system with dispenser support rails to fit Gilbarco Horizon 4 grade models. | 1100 x 800 |
| EL-G-SK700 | GRP system with dispenser support rails to fit Gilbarco SK700 models | 1100 x 800 |

## Tokheim

| Article Number | Description | Dim. (mm) |
|---|---|---|
| EL-T-Q510-4-8 | GRP system with dispenser support rails to fit Tokheim Quantium 510T 4 grade model. | 1100 x 800 |
| EL-T-Q410 | GRP system with dispenser support rails to fit Tokheim Quantium 410 models | 1210 x 704 |
| EL-T-Q310 | GRP system with dispenser support rails to fit Tokheim Quantium 310 models. | 862 x 862 |

## Tatsuno

| | Article | Description | Dim. |
|---|---|---|---|
| | EL-TAT-SM1010 | GRP system with dispenser support rails to fit Tatsuno Salemaker SM1010 1 grade models. | 682 x 682 |
| | EL-TAT-SM1060 | GRP system with dispenser support rails to fit Tatsuno Salemaker SM1060 3 grade models. | 1100 x 800 |
| | EL-TAT-SM-1080 | GRP system with dispenser support rails to fit Tatsuno Salemaker SM1080 4 grade models. | 1100 x 800 |
| | EL-TAT-CRSUN-NY-222LPO | GRP system with dispenser support rails to fit Tatsuno CR Sunny 2 grade models. | 682 x 682 |
| | EL-TAT-NEOSUN-NY | GRP system with dispenser support rails to fit Tatsuno Neo Sunny models. | 1100 x 800 |

## Pumptronics

| | Article | Description | Dim. |
|---|---|---|---|
| | EL46-26 | Excel testable dispenser sump. (Single Wall)  750mm deep. Optional shear valve rail for pressure systems. | 1170 x 660 |
| | EL-PT-MONO-SCS | GRP system with dispenser support rails to fit Pumptronics Mono suction model. 1 grade. | 490 x 490 |

## Dispenser Sump Accessories

| | Article | Description | Dim. |
|---|---|---|---|
| | EL46-26-SVR | GRP solid base sump and corbel to fit Censtar CS42 series models. Metalwork included. | 1100 x 800 |
| | MPK-10 | Pressure system shear valve mounting kit (designed to fit OPW shear valves). | |
| | MPK-10-S | Suction system riser pipe mounting plate kit 2" or 1,5". | |

# Fibrelite™ Remote Fill Sumps

## Underground Fill Sumps

| | Article Number | Description | Dim. (mm) |
|---|---|---|---|
| | S2-3760-OF-1 | GRP solid base sump, GRP spill container, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. 1 Fill. | $500^2$ x 600 deep |
| | S2-3760-OFD-1 | GRP solid base sump, GRP spill container with an integrated drainback system, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. 1 Fill. | $500^2$ x 600 deep |
| | S2-3760-OF-2 | GRP solid base sump, GRP spill container, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. Designed to fit Environ pipework. 2 Fills. | $500^2$ x 600 deep |
| | S2-3760-OFD-2 | GRP solid base sump, GRP spill container with an integrated drainback system, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. 2 Fills. | $500^2$ x 600 deep |
| | S2-3760-OF-11 | GRP solid base sump, GRP spill container, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. 1 Fill and 1 VR1B. | $500^2$ x 600 deep |
| | S2-3760-OFD-11 | GRP solid base sump, GRP spill container with an integrated drainback system, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. 1 Fill and 1 VR1B. | $500^2$ x 600 deep |
| | S2-3760-OF-21 | GRP chamber with a GRP spill container and 762mm diameter round flat sealed cover. 2 Fills and 1 VR1B. | 490 x 600 |
| | S2-3760-OFD-21 | GRP chamber with a GRP spill container with an integrated drainback system and 762mm diameter round flat sealed cover. 2 Fills and 1 VR1B. | 490 x 600 |

| | Article Number | Description | Dim. (mm) |
|---|---|---|---|
| | S57-3180-OF-K1-DW | Secondary contained remote fill sump.  Solid base sump with a sealed secondary spill container. 450mm dia. flat sealed cover and frame. Includes PEC2-33 grounding sealkit and pre-fitted KPS 125/110 secondary contained pipework. | 570 dia. x 635 deep |
| | S2-3760-OF-EU-K1 | GRP chamber with a GRP spill container and 762mm diameter round flat sealed cover. 1 KPS 125/110 fill pipe. | 490 x 600 |
| | S2-3760-OF-EU-K2 | GRP chamber with a GRP spill container and 762mm diameter round flat sealed cover. 2 KPS 125/110 fill pipes. | 490 x 600 |
| | S2-3760-OFD-K2 | GRP solid base sump, GRP spill container with an integrated drainback system, GRP skirt, 760mm dia. flat sealed cover and frame. ½ tin sealant. Designed to fit KPS pipework. 2 KPS 125/110 fill pipes. | $500^2$ x 600 deep |
| | S2-3760-OF-EU-K11 | GRP chamber with a GRP spill container and 762mm diameter round flat sealed cover. 1 KPS 125/110 fill and 1 KPS 125/90 VR1B pipe. | 490 x 600 |
| | S2-3760-OF-EU-K21 | GRP chamber with a GRP spill container and 762mm diameter round flat sealed cover. 2 KPS 125/110 fill and 1 KPS 125/90 VR1B pipe. | 490 x 600 |

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## Above Ground Fill Sumps

| Article Number | Description | Dim. (mm) |
|---|---|---|
| S22-2-AGF | GRP deep aboveground fill sump with hinged double door to fit up to 7 fills and 1 VR1B. | 2240 x 687 x 1257 deep |
| S24SH-2-AGF | GRP deep aboveground fill sump with hinged double door to fit up to 9 fills and 1 VR1B. | 2750 x 793 x 775 deep |
| S22SH-2-AGF | GRP deep aboveground fill sump with hinged double door to fit up to 7 fills and 1 VR1B. | 2240 x 687 x 775 deep |

| Article Number | Description | Dim. (mm) |
|---|---|---|
| S20-2-AGF | GRP deep aboveground fill sump with hinged double door to fit up to 5 fills and 1 VR1B. | 1737 x 687 x 1257 deep |
| S19-2-AGF | GRP deep aboveground fill sump with hinged double door to fit up to 4 fills. | 1237 x 686 x 1257 deep |

# Fibrelite™ Underground Enclosures

## Square Sumps

| Article Number | Description | Dim. (mm) |
|---|---|---|
| S1-1450 | Solid base chamber with a square 450mm flat sealed cover and frame. | $450^2$ x 600 deep |
| S1-3450-SKIRT | Solid base chamber, adjustable height skirt and a square 450mm flat sealed cover and frame. | $450^2$ x 600 deep |
| S2-160 | Solid base chamber with a square 600mm flat sealed cover and frame. | $600^2$ x 600 deep |
| S2-360-SKIRT | Solid base chamber, adjustable height skirt and a square 600mm flat sealed cover and frame. | $600^2$ x 1100 deep |
| S3-376 | Solid base chamber and a square 760mm flat sealed cover and frame. | $760^2$ x 600 deep |
| S3-376-SKIRT | Solid base chamber, adjustable height skirt and a square 760mm flat sealed cover and frame. | $760^2$ x 600 deep |
| S4-376 | Solid base chamber with a square 760mm flat sealed cover and frame. | $760^2$ x 760 deep |
| S4-376-SKIRT | Solid base chamber, adjustable height skirt and a square 760mm flat sealed cover and frame. | $760^2$ x 760 deep |
| S80-2760 | Solid base sump with a corbel and 760mm dia. flat sealed cover and frame | $862^2$ x 675 deep |

## Rectangular Sumps

| Article Number | Description | Dim. (mm) |
|---|---|---|
| S9-3140 | Solid base chamber, corbel, adjustable skirt, internal lid and flat sealed cover with frame. | 1473 x 991 |

## Vent Transition Sumps

| Article Number | Description | Dim. (mm) |
|---|---|---|
| S11-2-VENT | Vent pipe transition sump. Below ground solid base sump, with 450mm high above ground sealed top with lockable hinged door. Includes pipework support rail and fixings. Order pipe entry boots PSB/75, PSB/63/VT & vent riser mounting brackets MPK-VENT separately. | 1100 x 800 x 525 |
| S100-2-VENT | Vent pipe transition sump. Below ground solid base sump, with 450mm high above ground sealed top with lockable hinged door. Includes pipework support rail and fixings. Order pipe entry boots PSB/63, PSB/90 PSB/63/VT, PSB/90/VT & vent riser mounting brackets MPK-VENT separately. | 1500 x 850 x 47 |

## Monitoring Well, Grounding Point & Tank Riser Sumps

| Article Number | Description |
|---|---|
| S0-1120-ATG | ATG Ground Box. 300mm dia. solid base sump with a 300mm dia. flat sealed cover and frame. One PSB-110 110mm dia. pipe sealkit. One PEC-32 32mm dia. conduit sealkit. |
| S0-1120-MD | Manual Dip Ground Box. 300mm dia. solid base sump with a 300mm dia. flat sealed cover and frame. One PSB-110 110mm dia. pipe sealkit. |
| S0-1120-MW | Monitoring Well System. 300mm dia. solid base sump with a 300mm dia. grey flat sealed monitoring well cover with a black ID warning and frame. |
| S49-1180 | Double Tank Riser Ground Box. 485mm dia. x 450mm deep solid base sump with a 457mm dia. flat sealed cover and frame. Designed to contain two tank risers & two conduits. Entry kits to be ordered separately. |
| FL120-MWS | 300mm dia flat sealed cover with DO NOT FILL ID logo, frame and 300mm deep skirt. Monitoring well system with open base. |

## Direct Fill Spill Containers

| Article Number | Description |
|---|---|
| S45-1180-DF | 385mm dia. x 550mm deep solid base sump with spill container. One 110mm viton riser sealkit. One inspection hole cap. 457mm dia. flat sealed cover frame. One PSBD-110 double sided viton pipe sealkit. One grounding cable sealkit. |
| S45-1180-DFD | 385mm dia. x 550mm deep solid base sump with spill container. One 110mm viton riser sealkit. One inspection hole cap. 457mm dia. flat sealed cover frame. One PSBD-110 double sided viton pipe sealkit. One grounding cable sealkit. Includes drainback valve system. |

# Fibrelite™ Entry Seals

## Pipe Entry Seals

| Article Number | Description |
|---|---|
| PSB-27 | Pipe entry kits to fit 3/4" steel conduit. |
| PSBD-27 | Double sided pipe entry kits to fit 27mm single bore pipework. |
| PSB-33 | Pipe entry kits to fit 33mm steel conduit. |
| PSBD-33 | Double sided pipe entry kits to fit 33mm single bore pipework. |
| PSB-50 | Pipe entry kit to fit 50mm single bore pipework. |
| PSBD-50 | Double sided pipe entry kit to fit 50mm dia. primary pipework. |
| PSB-63 | Pipe entry kit to fit 63mm single bore pipework. |
| PSBD-63 | Double sided pipe entry kit to fit 63mm dia. primary pipework. |
| PSB-75 | Pipe entry kit to fit 75mm single bore pipework. |
| PSBD-75 | Double sided pipe entry kit to fit 75mm dia. primary pipework. |
| PSB-90 | Pipe entry kit to fit 90mm single bore pipework. |
| PSBD-90 | Double sided pipe entry kit to fit 90mm dia. primary pipework. |
| PSB-110 | Pipe entry kits to fit 110mm single bore pipework. |
| PSBD-110 | Double sided pipe entry kit to fit 110mm dia. primary pipework. |

| Article Number | Description |
|---|---|
| PSB-125 | Large clearance pipe entry kits to fit 125mm single bore pipework. |
| PSBD-125 | Double sided pipe entry kit to fit 125mm dia. primary pipework. |
| PSB-140 | Large clearance entry pipe kits to fit 140mm pipe. |
| PSBD-140 | Double sided pipe entry kit to fit 140mm dia. primary pipework. |
| PSB-160 | Large clearance pipe entry kit to 160mm pipe |
| PSBD-160 | Double sided pipe entry kit to fit 160mm dia. primary pipework. |
| PDBD-115-50 | Secondary contained pipe entry kit, 50mm primary pipe, 115mm OPW Duct |
| PDBD-110-75 | Secondary contained pipe entry kit, 75mm primary pipe, 115mm Duct |
| PDBD-115-63 | Secondary contained pipe entry kit, 63mm primary pipe, 115mm OPW Duct |
| PSB-63-VT | Pipe sealkit designed to fit 63mm dia. vent riser |
| PSB-90-VT | Pipe sealkit designed to fit 90mm dia. vent riser |
| VT-CAP-63 | UV resistant cap to protect pipe entry sealkits installed on S11-2 vent transition sump (fits PSB-63-VT) |
| VT-CAP-90 | UV resistant cap to protect pipe entry sealkits installed on S11-2 vent transition sump (fits PSB-90-VT) |

*Entry boots are available in viton. Denoted –V. Viton is recommended if the entry boot will come into contact with biofuels E15 and B15 and higher. For example, inside fill sumps.*

## Conduit and Cable Entry Seals

| Article Number | Description |
|---|---|
| PEC2-33 | Grounding cable sealkit, designed to fit 1" or 33mm steel conduit. 1 hole fits 1 cable 9-20mm dia. 3 hole fits 3 cables 5-8mm dia. |
| PEC2-50 | Grounding cable sealkit, designed to fit 1.5" steel conduit or 50mm dia. semi rigid plastic pipe 1 hole fits 1 cable 9-20mm dia. 3 hole fits 3 cables 5-8mm dia. |
| PCE-1-kit | 110mm dia. pipe entry seal kit (PSB-110),with sealtight compression gland. Sealing gland fits 4 cables (9-20mm) or 12 cables (4-8mm). Internal sealing gland can be purchased separately. (PCE-1) |
| PCE-2 | 110 mm dia. rubber cable entry kit designed to seal up to 16 cables. Supplied with cable ties. |

| Article Number | Description |
|---|---|
| PCE-1 | 110mm Sealing gland fits 4 cables (9-20mm) or 12 cables (4-8mm). |
| PEC-23 | Suitable for 23 mm conduit. |
| PEC-25 | Suitable for 25 mm conduit. |
| PEC-27 | Suitable for 3/4" steel conduit. |
| PEC-32 | Suitable for 32 mm conduit. |
| PEC-33 | Suitable for 1" steel conduit. |
| PEC-50 | Electrical entry sealkit designed to fit 38mm (1 1/2") steel conduit or 50mm dia. semi-rigid pipe. |

# Fibrelite™ Accessories

## Chamber Extensions

| Article Number | Description |
|---|---|
| S8-EX300 | 300mm deep extension to fit S8, S8CR & S8SB sump systems. |
| S14-EX300 | 300mm deep extension to fit S14 and S14SB sump systems. |
| S15-EX300 | 300mm deep extension to fit S15CR sump systems. |
| S16-EX300 | 300mm deep extension to fit S16 and S16CR sump systems. |
| S16SQ | 300mm deep extension to fit S16SQ sump systems. |
| S7-EX300 | 300mm deep extension to fit S6, S7 and S7SB sump systems. |
| S9-EX300 | 300mm deep extension to fit S9 sump systems. |

## Draining and Sealing

| Article Number | Description |
|---|---|
| SC-DRAIN | Spill container drainback hose and fittings. |
| 1DK-2100EVR | Drain valve kit. |
| S-CS-SEALKIT | Corbel to skirt sealkit including ½ tin self-levelling sealant, water bottle, cage, drain and fixing kit. |
| 40FC-SEALANT | Polyurethene sealant 310ml (10.5oz) tube. Available in black and yellow. |

## Fiberglass Tank Collars

Tank collars can be made to order. Please enquire.

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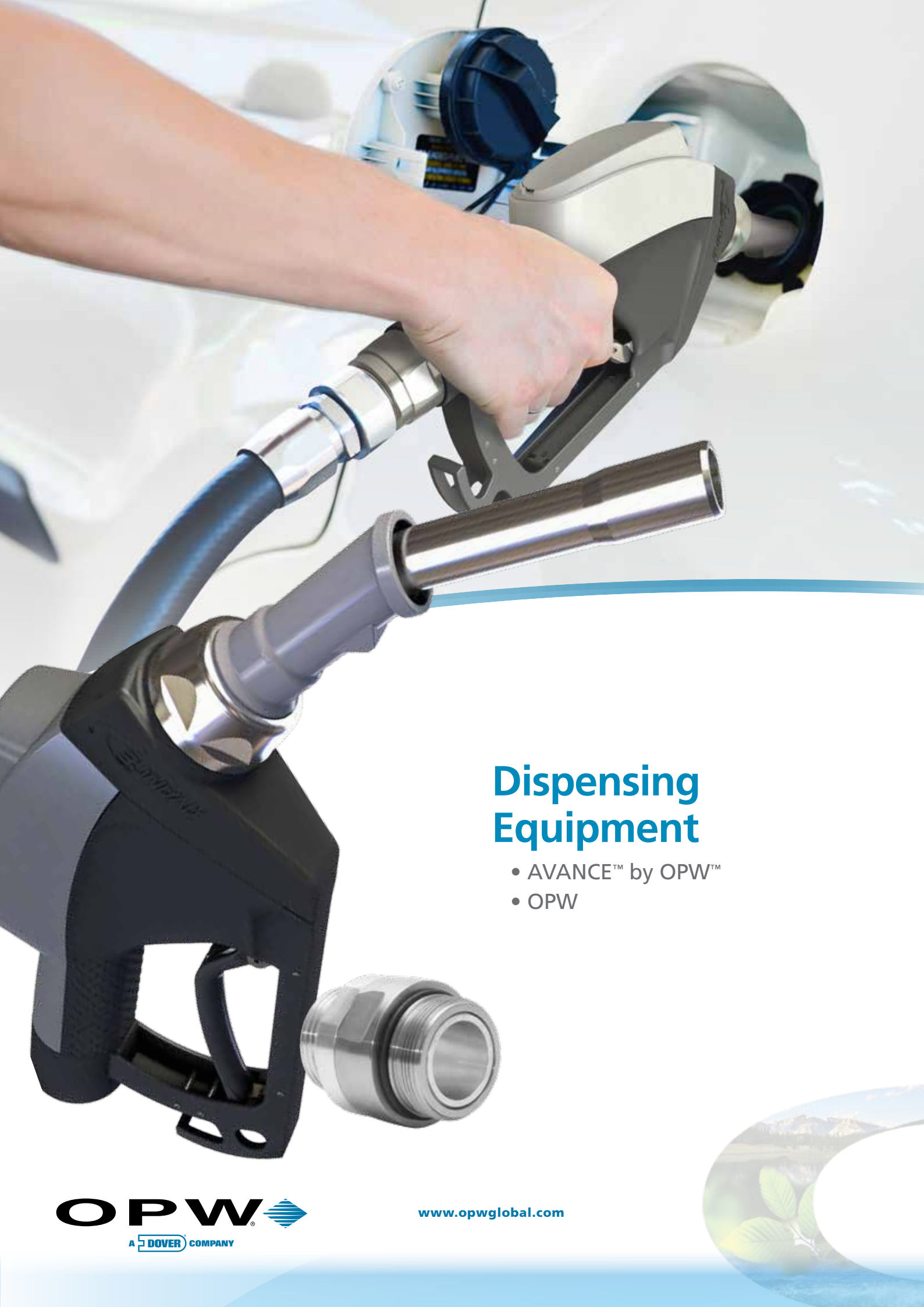
# Dispensing Equipment

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# AVANCE™ Conventional and Vapor Recovery Nozzles

## PRODUCT CONFIGURATION CODE

| | | | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | PRODUCT LINE | AVANCE | A | | | | | | | | | | | | | |
| B | STYLE | Conventional | | C | | | | | | | | | | | | |
| | | Vapor Recovery | | V | | | | | | | | | | | | |
| C | PRODUCT TYPE | Nozzle | | | N | | | | | | | | | | | |
| D | SPOUT CONFIGURATION | 24 mm LEADED/DIESEL <E15/B5 | | | | D | | | | | | | | | | |
| | | 21 mm UNLEADED <E15 | | | | P | | | | | | | | | | |
| | | 21 mm VAPOR RECOVERY <E15 | | | | V | | | | | | | | | | |
| E | COLD WEATHER RATING | Standard | | | | | N | | | | | | | | | |
| | | Extreme cold weather rating | | | | | X | | | | | | | | | |
| F | AVANCE SafetyCap (ASC) | With AVANCE SafetyCap (ASC) | | | | | | B | | | | | | | | |
| | | Without AVANCE SafetyCap (ASC) | | | | | | A | | | | | | | | |
| G | LEVER GUARD STYLE | # 3 guard style | | | | | | | 3 | | | | | | | |
| | | # 4 guard style | | | | | | | 4 | | | | | | | |
| | | # 8 guard style | | | | | | | 8 | | | | | | | |
| | | New Tatsuno boot style | | | | | | | T | | | | | | | |
| H | MAGNET CONFIGURATION | With magnet | | | | | | | | M | | | | | | |
| | | Without magnet | | | | | | | | X | | | | | | |
| I | HOLD OPEN OPTION | Yes | | | | | | | | | 1 | | | | | |
| | | None | | | | | | | | | K | | | | | |
| J | TOP COVER STYLE | OPW Standard style | | | | | | | | | | A | | | | |
| K | TOP COVER COLOR | Green | | | | | | | | | | | 1 | | | |
| | | Red | | | | | | | | | | | 3 | | | |
| | | Black | | | | | | | | | | | 4 | | | |
| | | Blue | | | | | | | | | | | 5 | | | |
| | | Orange | | | | | | | | | | | 7 | | | |
| | | Yellow | | | | | | | | | | | 9 | | | |
| L | TOP SCUFF GUARD COLOR | Green | | | | | | | | | | | | 1 | | |
| | | Red | | | | | | | | | | | | 3 | | |
| | | Black | | | | | | | | | | | | 4 | | |
| | | Blue | | | | | | | | | | | | 5 | | |
| | | Orange | | | | | | | | | | | | 7 | | |
| | | Yellow | | | | | | | | | | | | 9 | | |
| M | BOTTOM SCUFF GUARD COLOR | Black | | | | | | | | | | | | | 4 | |
| N | Message Center Cover COLOR | Green | | | | | | | | | | | | | | 1 |
| | | Red | | | | | | | | | | | | | | 3 |
| | | Black | | | | | | | | | | | | | | 4 |
| | | Blue | | | | | | | | | | | | | | 5 |
| | | Orange | | | | | | | | | | | | | | 7 |
| | | Yellow | | | | | | | | | | | | | | 9 |
| | | Transparent | | | | | | | | | | | | | | 0 |

**Example: AVN-VNB-3X1-A144-0**

## Custom Avance Message Center Inserts

| Article Number | Description |
|---|---|
| ACL-ST | Avance Message Center Inserts printed on UV stable and fuel resistant synthetic paper. For conventional and vapor recovery nozzles. |

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# AVANCE™ High-flow Nozzles

**PRODUCT CONFIGURATION CODE**

| | | | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | PRODUCT LINE | AVANCE | A | | | | | | | | | | | | | | | |
| B | STYLE | Conventional High-Flow | | H | | | | | | | | | | | | | | |
| C | PRODUCT TYPE | Nozzle | | | N | | | | | | | | | | | | | |
| D | SPOUT CONFIGURATION | 31mm OD standard spout, aluminum | | | | A | | | | | | | | | | | | |
| E | COLD WEATHER RATING | Standard | | | | | N | | | | | | | | | | | |
| | | Extreme cold weather rating | | | | | X | | | | | | | | | | | |
| F | AVANCE SAFETYCAP (ASC) | With AVANCE SafetyCap (ASC) | | | | | | B | | | | | | | | | | |
| | | Without AVANCE SafetyCap (ASC) | | | | | | A | | | | | | | | | | |
| G | LEVER GUARD STYLE | # 3 guard style | | | | | | | 3 | | | | | | | | | |
| | | # 4 guard style | | | | | | | 4 | | | | | | | | | |
| | | # 8 guard style | | | | | | | 8 | | | | | | | | | |
| H | MAGNET CONFIGURATION | With magnet | | | | | | | | M | | | | | | | | |
| | | Without magnet | | | | | | | | X | | | | | | | | |
| I | HOLD OPEN OPTION | Yes | | | | | | | | | 1 | | | | | | | |
| | | None | | | | | | | | | K | | | | | | | |
| J | TOP COVER STYLE | OPW Standard style | | | | | | | | | | A | | | | | | |
| K | TOP COVER COLOR | Black | | | | | | | | | | | 4 | | | | | |
| L | SCUFF GUARD COLOR | Black | | | | | | | | | | | | 4 | | | | |
| M | HANDWARMER COLOR | Black | | | | | | | | | | | | | 4 | | | |
| N | MESSAGE CENTER COVER COLOR | Black | | | | | | | | | | | | | | 4 | | |
| | | Transparent | | | | | | | | | | | | | | 0 | | |
| O | SWIVEL / SWIVELBREAKAWAY | Swivel 1" BSP male | | | | | | | | | | | | | | | 1 | |
| | | Swivel 1" BSP female | | | | | | | | | | | | | | | 2 | |
| | | Swivel 1" NPT female | | | | | | | | | | | | | | | 3 | |
| | | Swivelbreakaway 1" BSP male | | | | | | | | | | | | | | | 5 | |
| | | Swivelbreakaway 1" BSP female | | | | | | | | | | | | | | | 6 | |
| | | Swivelbreakaway 1" NPT female | | | | | | | | | | | | | | | 7 | |
| P | COLD WEATHER RATING | Standard | | | | | | | | | | | | | | | | N |
| | | Extreme cold weather rating | | | | | | | | | | | | | | | | X |

**Example: AHN-AXA-3MK-A444-0-1N**

# Custom Avance Message Center Inserts

| Article Number | Description |
|---|---|
| ACL-HF | Avance Message Center Inserts printed on UV stable and fuel resistant synthetic paper. For high flow nozzles. |

# AVANCE™ Swivels, Breakaways and Swivelbreakaways

## Conventional and High-flow Swivels and Swivelbreakaways

| | | | PRODUCT CONFIGURATION CODE |||||||||
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G | H | I |
| A | PRODUCT LINE | AVANCE | A | | | | | | | | |
| B | STYLE | Conventional | | C | | | | | | | |
| | | Conventional High-Flow | | H | | | | | | | |
| C | PRODUCT TYPE | Single-plane swivel | | | S | | | | | | |
| | | Swivelbreakaway | | | NSB1 | | | | | | |
| D | THREAD TYPE - HOSE SIDE | Female | | | | F | | | | | |
| | | Male | | | | M | | | | | |
| E | THREAD SIZE - HOSE SIDE | 3/4" BSPP | | | | | D | | | | |
| | | 1" BSPP | | | | | E | | | | |
| | | 3/4" NPT | | | | | B | | | | |
| | | 1" NPT | | | | | C | | | | |
| F | THREAD TYPE - NOZZLE SIDE | Male | | | | | | M | | | |
| G | THREAD SIZE - NOZZLE SIDE | M34 (Conventional) | | | | | | | A | | |
| | | 1-7/16_18 UNEF (High-flow) | | | | | | | H | | |
| H | FUEL TYPE | Leaded / Unleaded / Diesel | | | | | | | | A | |
| I | COLD WEATHER RATING | Standard | | | | | | | | | N |
| | | Extreme cold weather rating | | | | | | | | | X |

**Example: ACS-FDMA-AN**

## Vapor Recovery Breakaways

| | | | PRODUCT CONFIGURATION CODE |||||||||
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G | H | I |
| A | PRODUCT LINE | AVANCE | A | | | | | | | | |
| B | STYLE | Vapor recovery | | V | | | | | | | |
| C | PRODUCT TYPE | Breakaway | | | NB1 | | | | | | |
| D | THREAD TYPE - HOSE SIDE | Female | | | | F | | | | | |
| E | THREAD SIZE - HOSE SIDE | M34 | | | | | A | | | | |
| F | THREAD TYPE - NOZZLE SIDE | Male | | | | | | M | | | |
| G | THREAD SIZE - NOZZLE SIDE | M34 | | | | | | | A | | |
| H | FUEL TYPE | Leaded / Unleaded / Diesel | | | | | | | | A | |
| I | COLD WEATHER RATING | Standard | | | | | | | | | N |
| | | Extreme cold weather rating | | | | | | | | | X |

**Example: AVNB1-FAMA-AN**

# AVANCE™ Conventional and Vapor Recovery Hoses

| | | | PRODUCT CONFIGURATION CODE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G | H | I | J | K |
| A | PRODUCT LINE | AVANCE | A | | | | | | | | | | |
| B | STYLE | Conventional | | C | | | | | | | | | |
| | | Vapor Recovery | | V | | | | | | | | | |
| C | PRODUCT TYPE | Hose | | | H | | | | | | | | |
| D | HOSE ID | Conventional "basic" | | | | A | | | | | | | |
| | | Conventional "high" | | | | B | | | | | | | |
| | | Truck Diesel Hi-flow | | | | D | | | | | | | |
| | | Vapor Recovery Coaxial assembly | | | | E | | | | | | | |
| E | HOSE LENGTH | Length in centimeter | | | | | --- | | | | | | |
| F | INLET COUPLINGS - THREAD TYPE | Male | | | | | | M | | | | | |
| | | Female | | | | | | F | | | | | |
| G | INLET COUPLINGS - THREAD SIZE | 3/4" BSPP | | | | | | | D | | | | |
| | | 1" BSPP | | | | | | | E | | | | |
| | | M34 / VR with Swivel | | | | | | | H | | | | |
| | | M34 / VR without Swivel | | | | | | | I | | | | |
| H | INLET COUPLINGS - MATERIAL | Chrome-plated brass | | | | | | | | A | | | |
| | | Brass | | | | | | | | C | | | |
| | | Stainless Steel | | | | | | | | D | | | |
| I | OUTLET COUPLINGS - THREAD TYPE | Male | | | | | | | | | M | | |
| | | Female | | | | | | | | | F | | |
| J | OUTLET COUPLINGS - THREAD SIZE | 3/4" BSPP | | | | | | | | | | D | |
| | | 1" BSPP | | | | | | | | | | E | |
| | | M34 / VR with Swivel | | | | | | | | | | H | |
| | | M34 / VR without Swivel | | | | | | | | | | I | |
| K | OUTLET COUPLINGS - MATERIAL | Chrome-plated brass | | | | | | | | | | | A |
| | | Brass | | | | | | | | | | | C |
| | | Stainless Steel | | | | | | | | | | | D |

*Additional options per request*

**Example:  AVH-E250-MDA-MDA**

# OPW Conventional Nozzles

### Standard Petrol Nozzles, Unleaded Spout

| Article Number | Description |
| --- | --- |
| 11ALPI-910L | 3/4" BSP, Green |
| 11ALPI-930L | 3/4" BSP, Red |
| 11ALPI-940L | 3/4" BSP, Black |
| 11ALPI-940W | 3/4" BSPP, for Wayne type dispenser |
| 11ALPI-940GW | 3/4" BSPP, for Gilbarco type dispenser |
| 11ALPI-950L | 3/4" BSP, Blue |
| 11ALPI-980L | 3/4" BSP, Orange |
| 11ALPI-990L | 3/4" BSP, Yellow |
| 11AP-0100 | 3/4" NPT, Green |
| 11AP-0300 | 3/4" NPT, Red |
| 11AP-0400 | 3/4" NPT, Black |
| 11AP-0500 | 3/4" NPT, Blue |
| 11AP-0750 | 3/4" NPT, Gold |

### Standard Nozzles, Diesel/Leaded Spout

| Article Number | Description |
| --- | --- |
| 11ALD-1001 | 3/4" BSP, double poppet, no handguard |
| 11ALD-1041 | 3/4" BSP, double poppet, black |
| 11ALI-910L | 3/4" BSP, Green |
| 11ALI-930L | 3/4" BSP, Red |
| 11ALI-940L | 3/4" BSP, Black |
| 11ALI-980L | 3/4" BSP, Orange |
| 11ALI-990L | 3/4" BSP, Yellow |

### Standard Nozzle Spout Kits

| Article Number | Description |
| --- | --- |
| 5BI-2110 | Spout Kit, for 11A, leaded |
| 5BPI-2117 | Spout Kit, for 11A, unleaded |

### Pre-pay Petrol Nozzles, Unleaded Spout

| Article Number | Description |
| --- | --- |
| 11BLP-0100 | 3/4" BSP, Green |
| 11BLP-0300 | 3/4" BSP, Red |
| 11BLP-0400 | 3/4" BSP, Black |
| 11BP-0100 | 3/4" NPT, Green |
| 11BP-0300 | 3/4" NPT, Red |
| 11BP-0750 | 3/4" NPT, Gold |

### Pre-pay Nozzles, Diesel/Leaded Spout

| Article Number | Description |
| --- | --- |
| 11BL-0100 | 3/4" BSP, Green |
| 11BL-0415L | 3/4" BSP, Black |
| 11BL-0900 | 3/4" BSP, Yellow |
| 11B-0100 | 3/4" NPT, Green |
| 11B-0400 | 3/4" NPT, Black |

### Pre-pay Nozzle Spout Kits

| Article Number | Description |
| --- | --- |
| 5BBI-2135 | Spout Kit, for 11B, leaded |
| 5BBPI-2137 | Spout Kit, for 11B, unleaded |

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## Splash Guards

| Article Number | Description |
| --- | --- |
| 8B-0500 | FILLGARD, 3/4", Blue |
| 8BL-0400 | FILLGARD, 3/4", Black |
| 8G-0100 | FILLGARD, 3/4", Green |
| 8R-0300 | FILLGARD, 3/4", Red |

## High-flow Diesel Nozzles

| Article Number | Description |
| --- | --- |
| 7HL-034L | High Capacity Nozzle, 1" BSP, Black |
| 7HL-034W | High Capacity Nozzle, 1" BSP, Black, for Wayne type |
| 7HL-034GW | High Capacity Nozzle, 1" BSP, Black, for Gilbarco type |
| 7HL-0900 | High Capacity Nozzle, 1" BSP, Yellow |
| 7H-0400 | Diesel, 1" NPT, Black |

## High-flow Diesel Prepay Nozzles

| Article Number | Description |
| --- | --- |
| 7HBL-034L | 1" BSP, Diesel Nozzle, Black |
| 7HB-0400 | 1" NPT, Diesel Nozzle, Black |

## High-flow Nozzle Spout Kits

| Article Number | Description |
| --- | --- |
| 5BH-0115 | Spout Kit, 7H, With Ring |
| 5BH-5115 | Spout Kit, 7H, Without Ring |

# OPW Conventional Swivels, Breakaways & Accessories

## Swivels

| Article Number | Description |
| --- | --- |
| 45L-506L | Hose End Swivel, 3/4"M x 3/4"F BSP |
| 45L-507L | Hose End Swivel, 1"M x 1"F BSP |
| 241TPS-241L | Two Plane Hose Swivel, 3/4" BSP |
| 241TPS-100L | Two Plane Hose Swivel, 1" NPT |
| 36SLD-1 | Hose End Swivel, 3/4"M x 3/4"F BSP |
| 36SLD-2 | Hose End Swivel , 3/4"M x 1"F BSP |
| 36SLD-3 | Hose End Swivel, 3/4"M x 1"M BSP |
| 36SLD-4 | Hose End Swivel, 1"M x 1"F BSP |
| 36SLD-5 | Hose End Swivel, 1"M x 1"M BSP |

## Breakaways

| Article Number | Description |
| --- | --- |
| 66REC-100L | 3/4" BSPP, Reconnectable Breakaway Valve |
| 66VL-075L | 3/4" BSP, Breakaway Valve |
| 66VL-300L | 1" BSP 300 lbs, Breakaway Valve |
| 66SP-5150 | 1 ½" NPT, Breakaway |
| 66SP-6200 | 2" NPT, Breakaway |

| Article Number | Description |
| --- | --- |
| **Whip-hoses** | |
| 66H-0075 | 3/4" NPT, whip-hose, 9 inches |
| 66H-0075M | 3/4" NPT, straightening hose, 203mm |
| 66H-0080 | 3/4" NPT, straightening hose, 305mm |
| 66H-100 | 3/4" NPT, whip-hose, 1 meter |
| 66H-1300 | 1" NPT, whip-hose, 12 inches |
| 66H-1400 | 1" NPT, straightening hose, 305mm |
| **OPW Vapor Recovery Nozzles** | |
| 12VW-0100 | New Premium Vacuum-Assist Nozzle, Green |
| 12VW-0100FCE | Vacuum-Assist Nozzle H Holes/ Green |
| 12VW-01573 | 12VW Nozzle, 3 Pos Rack, Vapor Valve, Green H.I. |
| 12VW-0300 | New Premium Vacuum-Assist Nozzle, Red |
| 12VW-0400FCE | Vacuum-Assist Nozzle H Holes/ Black |
| 12VW-0750 | New Premium Vacuum-Assist Nozzle, Gold |
| **OPW Vapor Recovery Swivels & Breakaways** | |
| 66ISB-5100 | Vacuum-Assist Swivel & Reconnectable Breakaway Combo |
| MFVA | Vacuum-Assist Swivel |
| 66CAS-0300 | Vacuum-Assist Reconnectable Breakaway |

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# CNG Equipment

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# CNG EQUIPMENT

## CNG Dispensing Equipment

### Nozzles

| Article Number | Inlet Thread Size | Service Pressure | Weight |
|---|---|---|---|
| PG32P30 | 9/16"-18 UNF-2A | P30 - 3000 psi (200 bar) | 4.6 lbs (2.08 kg) |
| PG42P30 | 9/16"-18 UNF-2A | P30 - 3000 psi (200 bar) | 4.6 lbs (2.08 kg) |
| PG82P30 | 9/16"-18 UNF-2A | P30 - 3000 psi (200 bar) | 4.6 lbs (2.08 kg) |
| CT1000SS | SAE - 6, 9/16" - 18 UNF | 3000 psi (200 bar) | 3.61 lbs (1.63 kg) |
| CT1000P36S | SAE - 6, 9/16" - 18 UNF | 3600 psi (250 bar) | 3.65 lbs (1.65 kg) |
| CT5000S | SAE - 10, 7/8" - 14 UNF | 3600 psi (250 bar) | 8.77 lbs (3.98 kg) |
| CC300P30S | SAE - 8, 3/4" - 16 UNF | P 30 - 3600 psi (250 bar) | 1.31 lbs (0.59 kg) |
| CC600S | SAE - 6, 9/16" - 18 UNF | P 30 - 3000 psi (200 bar) | 1.34 lbs (0.61 kg) |
| CC6000 | SAE - 6, 9/16" - 18 UNF | P 36 - 3600 psi (250 bar) | 2.94 lbs (1.33 kg) |

### In-line Breakaways and Hoses

| Article Number | Inlet Thread Size | Outlet Thread Size | Service Pressure |
|---|---|---|---|
| FLB-1000 | SAE - 6,9/16" - 18 UNF (female) | SAE - 6,9/16" - 18 UNF (female) | 3600 psi (250 bar) |
| FLB-5000 | SAE - 10,7/8" - 14 UNF (female) | SAE - 10,7/8" - 14 UNF (female) | 3600 psi (250 bar) |
| NGVLB | SAE - 6,9/16" - 18 UNF | SAE - 6,9/16" - 18UNF | 3600 psi (250 bar) |
| LDCNGHOSE-11 | Standard NGV-1 Dual CNG Hose, 11' | | 5000 psi (345 bar) |
| HDCNGHOSE-11 | Heavy-duty Dual CNG Hose 11' | | 5000 psi (345 bar) |
| CNGHOSE 122 | Standard NGV-1 Dual CNG Hose, 12' | | 5000 psi (345 bar) |
| CNGHOSE5 | Heavy-duty Dual CNG Hose 13' | | 5000 psi (345 bar) |
| 6102-CNG | CNG Hose Retractor | | |
| 6102-CNG2 | CNG Hose Retractor | | |

### Receptacles

| Article Number | Inlet Thread Size | Service Pressure | Weight |
|---|---|---|---|
| CL40 | 9/16" (1.43 cm) - 18 SAE-6 Female Port | 3600 psi (248 bar) | .91 lb. (.413 kg) |
| CL50 | 7/8" 14 SAE-10 Female Port | 3600 psi (248 bar) | .91 lb. (.413 kg) |
| LD30 | NGV1 Receptacle w/ Bulkhead, P30 | 3000 psi (200 bar) | .44 lb. (.2 kg) |
| LD36 | NGV1 Receptacle w/ Bulkhead, P36 | 3600 psi (250 bar) | .44 lb. (.2 kg) |
| LB30 | NGV1 Receptacle w/ 3/4" flats, P30 | 3000 psi (200 bar) | .31 lb. (.14 kg) |
| LB36 | NGV1 Receptacle w/ 3/4" flats, P36 | 3600 psi (250 bar) | .31 lb. (.14 kg) |

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## Fueling System

| Article Number | Description | Service Pressure |
|---|---|---|
| 3WV-44 | 3-way valve, cover & outlet tubing with 4/4 connection | Up to 5000 psi (345 bar) |
| 3WV-44A | 3-way valve, cover, outlet tubing with 4/4 connection & 3/4" extender | Up to 5000 psi (345 bar) |
| 3WV-44B | 3-way valve, cover, outlet tubing with 4/4 connection & 45 degree extender | Up to 5000 psi (345 bar) |
| 3WV-44C | 3-way valve, cover, outlet tubing with 4/4 connection & 4" rigid extender | Up to 5000 psi (345 bar) |
| 3WV-44D | 3-way valve, cover, outlet tubing with 4/4 connection & whip-hose extender | Up to 5000 psi (345 bar) |
| 3WV-44AP30 | 3-way valve, cover, outlet tubing with 4/4 connection, 3/4" extender & CC600S | 3000 psi (200 bar) |
| 3WV-44BP36 | 3-way valve, cover, outlet tubing with 4/4 connection, 45 degree extender & CC600P36S | 3600 psi (250 bar) |
| 3WV-44CP36 | 3-way valve, cover, outlet tubing with 4/4 connection, 4" rigid extender & CC600P36S | 3600 psi (250 bar) |
| 3WV-44DP36 | 3-way valve, cover, outlet tubing with 4/4 connection, whip-hose extender & CC600P36S | 3600 psi (250 bar) |
| 3WV-46 | 3-way valve, cover, outlet tubing with 4/6 connection | Up to 5000 psi (345 bar) |
| 3WV-46A | 3-way valve, cover, outlet tubing with 4/6 connection & 3/4" extender | Up to 5000 psi (345 bar) |
| 3WV-46B | 3-way valve, cover, outlet tubing with 4/6 connection & 45 degree extender | Up to 5000 psi (345 bar) |
| 3WV-46C | 3-way valve, cover, outlet tubing with 4/6 connection & 4" rigid extender | Up to 5000 psi (345 bar) |
| 3WV-46D | 3-way valve, cover, outlet tubing with 4/6 connection & whip-hose extender | Up to 5000 psi (345 bar) |
| 3WV-46AP30 | 3-way valve, cover, outlet tubing with 4/6 connection, 3/4" extender & CC600S | 3000 psi (200 bar) |
| 3WV-46BP30 | 3-way valve, cover, outlet tubing with 4/6 connection, 45 degree extender & CC600S | 3000 psi (200 bar) |
| 3WV-46CP30 | 3-way valve, cover, outlet tubing with 4/6 connection, 4" rigid extender & CC600S | 3000 psi (200 bar) |
| 3WV-46DP30 | 3-way valve, cover, outlet tubing with 4/6 connection, whip-hose extender & CC600S | 3000 psi (200 bar) |
| 3WV-46AP36 | 3-way valve, cover, outlet tubing with 4/6 connection, 3/4" extender & CC600P36S | 3600 psi (250 bar) |
| 3WV-46BP36 | 3-way valve, cover, outlet tubing with 4/6 connection, 45 degree extender & CC600P36S | 3600 psi (250 bar) |
| 3WV-46CP36 | 3-way valve, cover, outlet tubing with 4/6 connection, 4" rigid extender & CC600P36S | 3600 psi (250 bar) |
| 3WV-46DP36 | 3-way valve, cover, outlet tubing with 4/6 connection, whip-hose extender & CC600P36S | 3600 psi (250 bar) |

# Pistol Grip Series Self-Service Nozzles

OPW Pistol Grip Series Self-Service Nozzles are designed for high-flow public and private CNG fueling systems.

Applications include quick-fill, self-service fueling of automobiles, light trucks, shuttle buses and vans.

## Features

- High-Flow/Fast-Fill Capability
- Ergonomic Design
- Directed Vent
- User-Friendly Lever-Action Operation
- Jaw-Lock Technology
- Meets NGV1 Fueling Standard
- Individually Leak Tested and Inspected with Traceable Serial Number

# LPG Equipment

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# LPG Dispensing Equipment

### Nozzles

| Article Number | Inlet Thread Size | Service Pressure |
|---|---|---|
| OT300 | 1" BSPP | 24 bar |
| OT300BRASS | 1" BSPP | 24 bar |
| OTA-300A | 1" BSPP | 24 bar |
| OTA-300BA | 1" BSPP | 24 bar |
| BNA-300HGA | 1" BSPP | 24 bar |
| BNA-300A | 1" BSPP | 24 bar |

### Breakaways and Accessories

| OC123 | 3/4" BSPP Female, Shear Valve | 350 psi (24 bar) |
|---|---|---|
| OAS400 | 3/4" BSPP Female, Reconnectable breakaway | 350 psi (24 bar) |
| OT321 | 3/4" BSPP Adaptor | |
| OT318 | 1-3/4" ACME to DISH | 350 psi (24 bar) |
| OT322 | DISH to 1-3/4" ACME | 350 psi (24 bar) |

# LPG Tank Gauging Probes

| Article Number | Description |
|---|---|
| 30-B053-LPG | Model 924B for LPG, 53"/135 cm |
| 30-B069-LPG | Model 924B for LPG, 69"/175 cm |
| 30-B077-LPG | Model 924B for LPG, 77"/196 cm |
| 30-B089-LPG | Model 924B for LPG, 89"/226 cm |
| 30-B101-LPG | Model 924B for LPG, 101"/257 cm |
| 30-B113-LPG | Model 924B for LPG, 113"/287 cm |
| 30-B125-LPG | Model 924B for LPG, 125"/318 cm |

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# Electronic Fuel Management Systems

• SiteSentinel®

# FUEL MANAGEMENT SYSTEMS

## SiteSentinel® Nano™ System

### Consoles

| Article Number | Description |
|---|---|
| NANO | OPW SiteSentinel® Nano™ console with display and TCP/IP option |

### Options

| Article Number | Description |
|---|---|
| SF-POS-INT | Enable 3rd party POS Interface |
| SF-DEL-RPT | Delivery Monitoring and Report Capability |
| SF-ALM-KIT | Alarm functions for probe and sensors (includes internal buzzer, flashing display warning and two outputs for external alarm activation) |
| SF-LEAK-DET | In-tank leak detection capability (requires level 1 probe) |
| SF-ACR | Auto calibration/reconciliation-ACR (includes PV4 protocol, block protocol and ethernet dispenser interface) |
| SF-DENSITY | Density report capability (requires density measurement sensor, 1 per probe) |
| SF-ALM-NTFY | Alarm e-mail, text and fax notification function |
| SF-ONE-MIN-INVNT | One minute inventory data storage |
| SF-WGT-MEAS | Weights and measurement flag |
| SF-OM4 | Enables support of OM4 relay |
| SF-INV-WGT | Enables display of inventory weight |

### Accessories

| Article Number | Description |
|---|---|
| 75-0130 | Citizen printer |
| 12-3048 | TCP/IP cross over cable |
| 20-1517-05 | Journal printer cable |
| 30-0219 | OPW riser cap and collar 4" (102 mm) NPT thread with grommet |
| 30-2015 | External alarm (light/buzzer/silence switch-outdoor rated) 110V |
| 30-2015-230 | External alarm (light/buzzer/silence switch-outdoor rated) 230V |
| 54-1108 | Terminal printer paper |
| 20-8312-iSite | Output module - used with the SiteSentinel iSite to provide external control functions in response to alarm conditions (up to 4 modules per console) |
| MCD0001 | CD - OPW installation, operation and configuration manuals CD |

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# SiteSentinel® Integra 100™ System

## Consoles

| Article Number | Description |
| --- | --- |
| INTEGRA 100- NOPRT | SiteSentinel Integra (With Touchscreen Display & No Printer) |
| INTEGRA 100- PRT | SiteSentinel Integra (With Touchscreen Display & Printer) |

## Software Options

| | |
| --- | --- |
| SLD | 24 hour continuous leak detection (SLD) for SiteSentinel Integra |
| ACR | Auto Calibration/Reconciliation (ACR)  for SiteSentinel Integra, includes PV4 Protocol, Wayne IDPOS Protocol, Block Protocol and Ethernet Dispenser Interface |
| SF W&M CAL LOCK | |

## Accessories

| | |
| --- | --- |
| 30-2015 | External Alarm (Light/Buzzer/Silence Switch-Outdoor Rated) 110V |
| 30-2015-230 | External Alarm (Light/Buzzer/Silence Switch-Outdoor Rated) 230V |
| 30-0219 | OPW Riser Cap and Collar 102mm (4" NPT thread) with grommet - Aluminum |

## Communication

| | |
| --- | --- |
| INTMDM | Internal Modem, for dial-in Access (includes internal Modem with cable) |
| INTMDM-E | Internal Modem with cable, with dial-out E-mail capability |
| INTMDM-S | Internal Modem with cable, with dial-out SMS Messaging capability |
| INTMDM-F | Internal Modem with cable, with dial-out Fax capability |

# SiteSentinel® Integra 500™ System

### Consoles

| Article Number | Description |
| --- | --- |
| INTEGRA - BBOX | SiteSentinel Integra Blank Door (No Touchsceen Display & No Printer) |
| INTEGRA - NOPRT | SiteSentinel Integra (With Touchscreen Display & No Printer) |
| INTEGRA - PRT | SiteSentinel Integra (With Touchscreen Display & Printer) |

### V-Smart Module Components

| Article Number | Description |
| --- | --- |
| 20-8319 | V-Smart Module with PetroNet Interface (No IS Module Installed) |
| 20-8319-E | V-Smart Module with Ethernet Interface (No IS Module Installed) |
| 20-4344 | V-Smart 12V Digital IS Module (for SiteSentinel Model Probes and Smart Sensors) |
| 20-4345 | V-Smart 24V Analog IS Module (for EECO sensors and standard or AST probes) |

### Software Options

| Article Number | Description |
| --- | --- |
| SLD | 24 Hour Continuous Leak Detection (SLD) for SiteSentinel Integra |
| ACR | Auto Calibration/Reconciliation (ACR) for SiteSentinel Integra includes PV4 Protocol, Wayne IDPOS Protocol, Block Protocol and Ethernet Dispenser Interface |
| ACR-RIM | ACR Remote Interface Module |

### Accessories

| Article Number | Description |
| --- | --- |
| 20-8312-ISITE | ISITE Output Module - used with the SiteSentinel Integra to provide external control functions in response to alarm conditions (up to 4 modules per console) |
| 30-2015 | External Alarm (Light/Buzzer/Silence Switch-Outdoor Rated) 110V |
| 30-2015-230 | External Alarm (Light/Buzzer/Silence Switch-Outdoor Rated) 230V |
| 20-7079 | Wireless PetroNet Kit - Includes 1 indoor modem assembly, 1 outdoor modem assembly, 2 directional antennas with 20 foot antenna cables. |
| 75-2044 | High Gain Antenna Kit for SiteSentinel iSite Wireless Option |
| 30-0219 | OPW Riser Cap and Collar 102mm (4" NPT thread) with grommet -Aluminum |

### Communication

| Article Number | Description |
| --- | --- |
| INTMDM | Internal Modem, for dial-In Access (includes internal Modem with cable) |
| INTMDM-E | Internal Modem with cable, with dial-out E-mail capability |
| INTMDM-S | Internal Modem with cable, with dial-out SMS Messaging capability |
| INTMDM-F | Internal Modem with cable, with dial-out Fax capability |

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# SiteSentinel® iTouch™ System

## Consoles

| Article Number | Description |
| --- | --- |
| iTouch-4 | Interface Module for 4 probes/sensors |
| iTouch-8 | Interface Module for 8 probes/sensors |
| iTouch-12 | Interface Module for 12 probes/sensors |
| iTouch-16 | Interface Module for 16 probes/sensors |

## Options

| | |
| --- | --- |
| 20-4324 | External Report Printer with wall-mounting bracket and cable |
| POS-INT RS232 | Port with cable for POS Connection |
| DEL-RPT | Delivery Report Capability |
| ALM-KIT | Alarm Functions for Probe and Sensors (includes internal buzzer, flashing display warning and one output for external alarm activation) |
| ALD-LEAK | In-Tank Leak Detection Capability (requires level 1 probe) |
| iTouch AR | Auto-reconciliation |
| DENSITY | Density Report Capability (requires Density Measurement Sensor - 1 per probe) |
| 75-2042 | Internal Modem with cable "dial-in" only |
| TCP/IP | TCP/IP Interface Option Provides Local & Remote LAN/WAN Access |
| 20-4325E | Alarm E-Mail Notification Function (includes TCP/IP) |

## Accessories

| | |
| --- | --- |
| 20-1517-04 | Model 1 External Modem Cable |
| 30-0219 | OPW Riser Cap and Collar 102mm (4" NPT thread) with grommet - Aluminum |
| 30-2015 | External Alarm (Light/Buzzer/Silence Switch-Outdoor Rated) 110V |
| 30-2015-230 | External Alarm (Light/Buzzer/Silence Switch-Outdoor Rated) 230V |
| 54-1110 | Printer Paper (per roll) for External Thermal Printer |
| 20-8312 | Output Module - used with the SiteSentinel iTouch to provide control functions in response to alarm conditions (up to 2 modules per console) |

## Communication

| | |
| --- | --- |
| Q451314 | OPW SmartTalk Basic (Single-Site) |
| Q451315 | OPW SmartTalk Plus (Multi-Site) |
| Q451316 | OPW SmartTalk Premier (Multi-Site competitive product compatible) |

# SiteSentinel® Magnetostrictive Probes

| Article Number | Description |
| --- | --- |
| 30-B053 | Model 924B, 53"/135 cm |
| 30-B069 | Model 924B, 69"/175 cm |
| 30-B077 | Model 924B, 77"/196 cm |
| 30-B089 | Model 924B, 89"/226 cm |
| 30-B101 | Model 924B, 101"/257 cm |
| 30-B105 | Model 924B, 105"/267 cm |
| 30-B113 | Model 924B, 113"/287 cm |
| 30-B125 | Model 924B, 125"/318 cm |
| 30-B137 | Model 924B, 137"/348 cm |
| 30-B149 | Model 924B, 149 "/379 cm |
| 30-1509-01 | Petrol/Water Nitrophyl Float Kit |
| 30-1509-02 | Diesel/Water Nitrophyl Float Kit |
| 30-3232 | Density Measurement Kit |
| 30-B053-LPG | Model 924B for LPG, 53"/135 cm |
| 30-B069-LPG | Model 924B for LPG, 69"/175 cm |
| 30-B077-LPG | Model 924B for LPG, 77"/196 cm |
| 30-B089-LPG | Model 924B for LPG, 89"/226 cm |
| 30-B101-LPG | Model 924B for LPG, 101"/257 cm |
| 30-B113-LPG | Model 924B for LPG, 113"/287 cm |
| 30-B125-LPG | Model 924B for LPG, 125"/318 cm |

# SiteSentinel® Flex Probes

| Article Number | Description |
| --- | --- |
| 7100V | AST Flex Probe. Large variety of options. Specify tank diameter in your order along with desired number of floats (1 or 2) and number of temperature sensors (1 or 5). |

# SiteSentinel® Sensors

### Smart Discriminating Sump Sensors

| Article Number | Description |
| --- | --- |
| 30-0232-DH-10 | Discriminating Dispenser Sump Sensor |
| 30-0232-DH-20 | Discriminating STP Sump Sensor |
| 30-3233-12 | Mag Sump Sensor for Dispenser Sump 12" Long |
| 30-3233-24 | Mag Sump Sensor for Dispenser Sump 24" Long |

### Smart Interstitial & Monitoring Well Sensors

| 30-0236-LW | Discriminating Interstitial Sensor (Optical) |
| --- | --- |
| 30-0232-D-20B | Dual Float Brine Sensor for Fiberglass Tanks |
| 30-0234-HW-01 | Interstitial Hydrocarbon Liquid with water indicator |
| 30-0234-HW-06 | 6' (183 cm) Hydrocarbon Liquid Sensor with water indicator |
| 30-0234-HW-15 | 15' (457 cm) Hydrocarbon Liquid Sensor with water indicator |
| 30-0234-HW-20 | 20' (610 cm) Hydrocarbon Liquid Sensor with water indicator |

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## Smart Containment Sensors

| Article Number | Description |
|---|---|
| 30-0231-S | Interstitial Sensor-Float Switch – (Small Plastic) |
| 30-0231-L | Sump Sensor-Float Switch – (Large Plastic) |
| 30-0230-S | Liquid Only Float Sensor (Brass) - containment areas/steel tank interstitial |
| 30-0232-D-10 | Dual Float Non-Discriminating Dispenser Sump Sensor |
| 30-0232-D-20 | Dual Float Non-Discriminating STP Sump Sensor |
| 30-0232-D-10B | Dual Float Brine Sensor for Containment Sump |
| 30-0232-D-20B | Dual Float Brine Sensor for Fiberglass Tanks |
| 30-0235-V | Hydrocarbon Vapor Sensor |

## Smart Sensor Options and Accessories

| Article Number | Description |
|---|---|
| Q439600N | Discriminating Dispenser Pan Installation Kit |
| Q439601N | Discriminating STP Sump Sensor Installation Kit |
| Q439447-1 | Liquid only Interstitial Sensor Installation Kit (4" riser required) |
| 30-3207-20.55 | 20.55" liquid phase sensor |
| 30-3207-48.15 | 48.15" liquid phase sensor |

## Sensors Non-Multidrop

| Article Number | Description |
|---|---|
| 30-3206 | Interstitial Hydrocarbon Liquid with water indicator |
| 30-3207-06 | 6' (183 cm) Hydrocarbon Liquid Sensor |
| 30-3207-10 | 10' (305 cm) Hydrocarbon Liquid Sensor |
| 30-3207-15 | 15' (457 cm) Hydrocarbon Liquid Sensor |
| 30-3210-06 | 6' (183 cm) Hydrocarbon Liquid Sensor with water indicator |
| 30-3210-15 | 15' (457 cm) Hydrocarbon Liquid Sensor with water indicator |
| 30-3210-20 | 20' (610 cm) Hydrocarbon Liquid Sensor with water indicator |
| 30-3219-12 | Hydrocarbon Liquid Sensor - 12" (30 cm) |
| 30-3221-1 | Sump Sensor - Float Switch |
| 30-3221-1A | Interstitial Sensor - Float Switch |
| 30-3221-1B | Interstitial Sensor - Float Switch (Brass) |
| 30-3221-2 | Dual Level Sump/Reservoir Sensor |
| 30-3222 | Hydrocarbon Vapor Sensor |
| 30-3223 | Optical Liquid Sensor |
| 30-3224 | Combo Single Level/Hydrocarbon Liquid Sump Sensor |
| 30-3225 | Combo Dual Level/Hydrocarbon Liquid Sump Sensor |

# Forecourt Controllers

## Forecourt controllers

| Article Number | Description |
|---|---|
| INTEGRA3500-SGL | System capable of monitoring one type of dispensers, blank door or with 15" LCD |
| INTEGRA3500-DUAL | System capable of monitoring two types of dispensers, blank door or with 15" LCD |
| INTEGRA3500-TRIPLE | System capable of monitoring three type of dispensers, blank door or with 15" LCD |
| 20-70XX-230 | Dispenser (specify type and protocol) Interface Module |
| POS/BOS - INT | POS/BOS (specify protocol and transmission type) Interface Module |
| ATG - INT | Tank Gauge (specify protocol/type) Interface Module; POS or ACR version |
| Car Wash- INT | Car Wash (specify type/communication type/protocol) Interface Module |
| Price sign Interface Module | Price Sign (specify type/protocol)  Interface Module |
| OPT -INT | OPT (specify type/protocol) Interface Module |
| CS- LIC | Central Management System License with Reporting Capability |
| OTH-INT | Other Auxilliary Devices/Instruments |

# Line Leak Detection

## Leak Detection

| Article Number | Description | Remark | Pack Size |
|---|---|---|---|
| KP 315AU-G | Alarm unit for leak detection system | Monitors up to 6 leak detection units.  Compatible with all major tank gauging systems. | 1 |
| KP 315LD-02 | Leak detection unit | ATEX and EN13160 approved leak detection unit with one connection point, including 2 m tubing | 1 |
| KP 315-2M | Signal cable, 2 m | For connection of leak detection unit to alarm unit | 1 |
| KP 315-25M | Signal cable, 25 m | For connection of leak detection unit to alarm unit | 1 |
| KP 315J | EX rated cable connector | For signal cable junctions | 1 |
| KP 315MF | Leak detection manifold, 4 connection points. | Manifold for the leak detection unit, including 10 m tubing, for monitoring of up to 5 pipe lines. For monitoring of more pipes, use two manifolds in series | 1 |
| KP 315LD-02-SET | | Includes KP 315LD-02, 315-2M, 315MF and KP 315J | 1 |

# A Mission Without Boundaries

## Providing the Best Fueling Solutions for Our Customers

As a company, OPW is a unified, global force joined by a common purpose. Drawing on a broad range of products, innovations and talented resources, OPW aligns its business operations close to the customer. With major operating groups in Europe, Asia, South America and the United States, and a distribution and technical support network that spans the globe, OPW is uniquely positioned to meet the changing needs of a dynamic world. We have the ability, personnel, products and solutions to make our customers' operations more productive, reliable, safe, environmentally responsible and competitive.

## Quality Beyond the Status Quo

At OPW, quality is the cornerstone upon which our success has been built. To that end, every year we make substantial investments in people, processes and technology to ensure that our products are second to none. To ensure our industry-leading quality standards, we implement Six Sigma and Continuous Quality Improvement processes, combined with the most sophisticated and advanced test laboratory and test protocols in the industry. In addition, we utilize unique, robotic automation assembly lines that provide for precision product assembly and unparalleled quality consistency. We are the leader in every aspect of the fueling equipment business, and have long been the standard upon which all other fueling products are measured.

### United States

### Brazil

### Europe

### India

### China

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**OPW Retail Fueling**
Components and products to protect the environment and the consumer at retail fueling sites for conventional and alternative fuels.

**OPW Electronic Systems**
Innovative electronic tank gauges and fuel control systems to ensure customers know how much fuel they have and where it is going. Also, Automated Vehicle Wash Systems.

**OPW Chemical & Industrial**
Safe and efficient loading and unloading of critical hazardous chemicals: loading arms, swivel joints, sight flow indicators, quick and dry disconnect couplers, and safety breakaways.

**OPW Transportation**
Components and systems for use on Tank Trucks and Rail Tank Cars to ensure the safe handling, loading, transport and unloading of hazardous bulk products, including: petroleum, chemical and dry bulk cargo.