







KPS PETROL PIPE SYSTEM"



FIBRELITE™



**OPW TANK GAUGES** 



FORECOURT CONTROLLERS



















# **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.



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# Our Promise...

Provide the Best Fueling Solutions for Our Customers



### **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.



### **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.

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

























OPW is a member of the following associations:





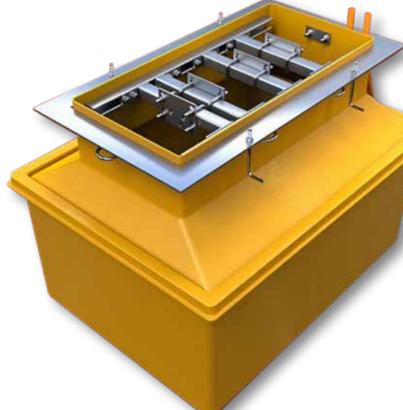


of Truck Stop Operators



NATIONAL COUNCIL OF WEIGHTS AND MEASURES

National Association of Convenience Stores



German Czech Dutch Slovak French Gre Italian Serbian Arabic Polish English Serbiar

### **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**

# **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
61S0-4004	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"





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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**

9	

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

1-1/2" BSP, Angle check valve

2" BSP, Angle check valve



Snut-off valves, Snear 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 OffValve, 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 OffValve, 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

14NL-2

# **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 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, UL 971, IP2 and ATEX 137 (directive 1999/92/EC).

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



#### **Conductive connectors for pipe joints**

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

## **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	<sup>,</sup> contained	termination	fittings
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Article Number	Description	Remark	Ø (mm)	Pack Size
KPT125/110SC2A	Termination fitting 125/110 mm	With swiveling elbow test port fitting	125/110	8
KPT125/110SC2B	Termination fitting 125/110 mm	With straight test port fitting.	125/110	8
KPT125/110SC04	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 KPT model 04		1
KPT125/110B	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**

Tee 110 mm, conductive

KP 8-110FC03

Conductive Weldable Clbows					
KP 23-110C02	Elbow 90° 110 mm, conductive	Weldable	110	5	
KP 24-110C02	Elbow 45° 110 mm, conductive	Weldable	110	6	
<b>Conductive tee</b>					

Equal tee

110

### **Entry Seals**



Use hole saw Ø 168 mm.

## **Transition Fittings**

Article Number	Description	Remark	Ø (mm)	Pack
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	1
Male transitio	on fittings, conductive, plastic	to steel		
KP C17-110M	Transition fitting 110 mm, steel	4" BSPT male / R 4"	110	2
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 transi	tion flange fittings, with spac	er, conductive, plastic to	o steel	
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 transitio	on flange fittings, with spacer	, conductive, plastic to s	teel	
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 st	ub flanges, DIN flanges and g	askets for pipe termina	tion	
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 stair	nless steel available upon request			
Compression	transition fittings, conductive	, plastic to steel		
KP C14-110/90M	Transition fitting, 110/90 mm, reduced, brass	3" BSPT male / R 3"	110	1

#### Transition Fittings (continued)

#### Flange fittings



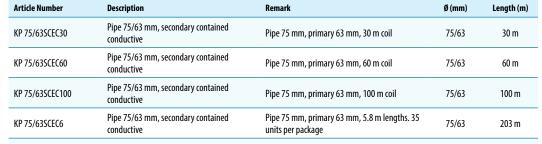
Article Number	Description	Remark	Ø (mm)	Pack Size
KP F16-110MM	Flange fitting	4" BSPT male-male / R-R 4"	110	1
KP F16-110MF	Flange fitting	4" BSPT male-female / R-Rc 4"	110	1
KP F16-110FF	Flange fitting	4" BSPT female-female / Rc-Rc 4"	110	1

### **Pipe**

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

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

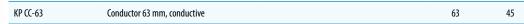






Approved according to EN 14125, German standard, EN 13463-1, UL 971, IP2 and ATEX 137 (directive 1999/92/EC).

#### **Conductive connectors for pipe joints**



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

### **Welding Sockets**



### Welding sockets for secondary containment

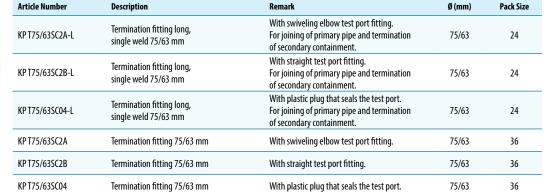
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Article Number	Description	Remark	Ø (mm)	Pack Size
KP 2-75/63SC	Integrated welding socket 75/63 pipe, secondary contained		75/63	18
KP 2-75/63SCA	Integrated welding socket 75/63 pipe, 360° secondary contained		75/63	18
KP 2-63	Welding socket 63 mm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



## **Termination Fittings**

#### Secondary contained termination fittings









#### Secondary contained termination fittings (continued)

Article Number	Description	Remark	Ø (mm)	Pack Size
KP T90025	Ball valve 1/4" for test port	For KPT 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**





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
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KP 8-75/63SCEC02	conductive	Equal tee	/5/63	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
C	alalalala alla assa			







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						

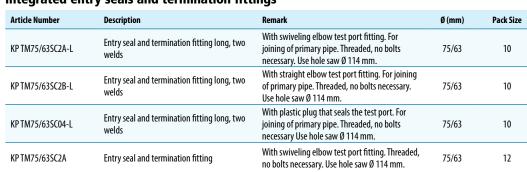
Weldable

### KP 28-63EC Tee 63 mm, conductive

## **Entry Seals**

### Integrated entry seals and termination fittings











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
KPTM75/63SC03	Entry seal and termination fitting	No test port. For use with leak plate equipped	75/63	6

dispensers. Use hole saw Ø 116 mm.



Entry seals	
	Throaded no holte necessary Ilso hole say (1



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				



Dilliu ellu y 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

75/63

75/63

12

12

# **Transition Fittings**

emale	transitio	on fittings, conductive, plas	tic to steel		
Article Nun	ıber	Description	Remark	Ø (mm)	Pack Siz
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 C17-63F	i.	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 tr	ansition	fittings, conductive, plastic	to steel		
KP C17-631	И	Transition fitting 63 mm, steel	2" BSPT male / R 2"	63	12
KP C17-631	ИL	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	transitio	on flange fittings, with spac	er, conductive, plastic to stee	I	
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 C16-63F	L	Transition fitting long 50 cm stub 63 mm, steel	2" BSPT female / Rc 2"	63	1
Vlale tr	ansition	flange fittings, with spacer	, conductive, plastic to steel		
KP C16-631	И	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 C16-631	ИL	Transition fitting 50 cm stub, 63 mm, steel	2" BSPT male / R 2"	63	1
Conduc	tive stuk	flanges, DIN flanges and g	jaskets for pipe termination		
KP C20-63		Stub flange, DIN flange and gasket 63 mm, steel		63	4
KP C20-631		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 flo	ınge in stainless	s steel available upon request			
Compre	ession tra	ansition fittings, conductive	, plastic to steel		
KP C14-631	И	Transition fitting 63 mm, brass	2" BSPT male / R 2"	63	1
KP C14-631	ИS	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				
KP F16-63/	ЛM	Flange fitting	2" BSPT male-male / R-R 2"		1
KP F16-63N	ΛF	Flange fitting	2" BSPT male-female / R-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		

#### Flexible connectors and valves (continued)

### Conductive flexible connectors, hexagon nipple type



3	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		
	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, UL 971, IP2 and ATEX 137 (directive 1999/92/EC).



Conductive connectors for pipe joints						
KP CC-32	Conductor 32 mm, conductive	32	30			
Connectors used to bridge joints thereby maintaining conductivity throughout the nine system. Patented design						

## **Welding Sockets**

#### Welding sockets for secondary containment





rticle Number	Description	Remark	Ø (mm)	Pack Size
P 2-63/40SC	Integrated welding socket 40/32 pipe, 360° secondary contained		40/32	1
elding sockets				
D 2 22	WILL LOS			_



### **Termination Fittings**



#### **Secondary contained termination fittings**

Article Number	Description	Remark	Ø (mm)	Pack Size
KPT40/32SC	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







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	nıpple	type
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KPTN25-6S	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

### **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 ma	y 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	110EC30 Pipe 110 mm, conductive Pipe 110 mm, 30 m coil.	Pipe 110 mm, 30 m coil.	110	30 m
Approved according to EN 14125, German standard, EN 13463-1, UL 971, IP2 and ATEX 137 (directive 1999/92/EC).				





conductive connectors for pipe joints				
KP CC-110	Conductor 110 mm, conductive	110	24	

# **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

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



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						



Conductive too with normantian barrier							
KP 24-110C02	Elbow 45° 110 mm, conductive	Weldable	110	6			
KP 23-110C02	Elbow 90° 110 mm, conductive	Weldable	110	5			



qual 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					
	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 transi	tion fittings, conductive, plast	tic to steel		
Article Number	Description	Remark	Ø (mm)	Pack :
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
(P C17-110/90F	Transition fitting 110/90 mm, reduced, steel	3" BSPT female / Rc 3"	110/90	2
Male transitio	on fittings, conductive, plastic	to steel		
KP C17-110M	Transition fitting 110 mm, steel	4" BSPT male / R 4"	110	2
KP C17-110ML	Transition fitting 50 cm stub, 110 mm, steel	4" BSPT male / R 4"	110	
KP C17-110/90M	Transition fitting 110/90 mm, reduced, steel	3" BSPT male / R 3"	110/90	
emale transi	tion flange fittings, with spac	er, conductive, plastic to	steel	
KP C16-110F	Transition fitting 110 mm, steel	4" BSPT female / Rc 4"	110	
KP C16-110FL	Transition fitting 50 cm stub, 110 mm, steel	4" BSPT female / Rc 4"	110	
KP C16-110/90F	Transition fitting 110/90 mm, reduced, steel	3" BSPT female / Rc 3"	110/90	
Male transitio	on flange fittings, with spacer	, conductive, plastic to ste	eel	
KP C16-110M	Transition fitting 110 mm, steel	4" BSPT male / R 4"	110	
KP C16-110ML	Transition fitting 50 cm stub, 110 mm, steel	4" BSPT male / R 4"	110	
KP C16-110/90M	Transition fitting 110/90 mm, reduced, steel	3" BSPT male / R 3"	110/90	
Conductive st	ub flanges, DIN flanges and g	askets for pipe terminati	on	
KP C20-110	Stub flange, DIN flange and gasket 110 mm, steel		110	:
KP C20-110L	Stub flange, 50 cm stub, DIN flange and gasket 110 mm, steel		110	
KP W6-110	Separate threaded DIN flange 110 mm, steel	BSPT 4" female / Rc 4"	110	
C20-110/90	Stub flange, DIN flange and gasket 110/90 mm, steel		110	
Separate flange in stail	nless steel available upon request			
Compression	transition fittings, conductive	, plastic to steel		
KP C14-110/90M	Transition fitting,110/90 mm, reduced, brass	3" BSPT male / R 3"	110	
Flange fitting	S			
KP F16-110MM	Flange fitting	4" BSPT male-male / R-R 4"		
KP F16-110MF	Flange fitting	4" BSPT male-female / R-Rc 4"		
KP F16-110FF	Flange fitting	4" BSPT female-female / Rc-Rc 4"		

# **Pipe**

# KPS™ 90 mm 3" Primary Piping

# Ar



### 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		
A	A					

 $Approved\ according\ to\ EN\ 14125,\ German\ standard,\ EN\ 13463-1,\ UL\ 971,\ IP2\ and\ ATEX\ 137\ (directive\ 1999/92/EC).$ 



Conductive	conn	ectors	for	pipe	joints

KP CC-90	Conductor 90 mm, conductive	Pack size, 36	90	30
Connectors used to	bridae ioints thereby maintainina conductivity thr	ouahout the pipe system. Patented desian.		

### **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**





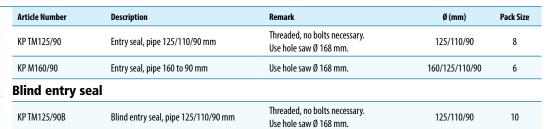
	Article Number	Description	Remark	Ø (mm)	Pack Size			
	KP 3-90FC	Bend 90° 90 mm, conductive		90	1			
į,	KP 3-90FCL	Bend 90° 90 mm, conductive, long type	44 cm extra length	90	1			
	KP 4-90FC	Bend 45° 90 mm, conductive		90	1			
	Conductive weldable elbows							



6	KP 23-90C02	Elbow 90° 90 mm, conductive	Weldable	90	8		
	KP 24-90C02	Elbow 45° 90 mm, conductive	Weldable	90	10		
C	Conductive tee with permeation barrier						
	KP 8-90FC03	Tee 90 mm, conductive	Equal tee	90	10		
Conductive reducers							
	KP 9-90/63EC	Reducer 90/63 mm, moulded, conductive		90/63	24		

## **Entry Seals**







## **Transition Fittings**



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		







remaie transiti	on nange menigs, with spat	cer, conductive, plastic to steel			
KP C16-90F	Transition fitting 90 mm, steel	3" BSPT female / Rc 3"	90	1	
Male transition	flange fittings, with space	conductive plastic to steel			



male transition hange intings, with spacer, conductive, plast			, 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
Congreto flanca in stainless steal quailable upon request					



separate nange in st	separate range in stainiess steet available upon request				
Compression	n transition fittings, conduc	tive, plastic to steel			
KP C14-90M	Transition fitting 90 mm, brass	3" BSPT male / R 3"	90	1	

#### **Transition Fittings (continued)**

### 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 p	ipes with	permeation	barrier
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	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, UL 971, IP2 and ATEX 137 (directive 1999/92/EC).					



### **Conductive connectors for pipe joints**

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

Ø (mm)

63

63

Pack Size

8

1

20

## **Bends, Elbows and Tees**

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

Bend 90° 63 mm, conductive

Bend 45° 63 mm, conductive

Bend 90° 63 mm, conductive, long type









KP 3-63FC



·	KP 23-63EC	Elbow 90° 63 mm, conductive	Weldable	63	10
	KP 24-63EC	Elbow 45° 63 mm, conductive	Weldable	63	12

50 cm extra length



<b>Conductive tee with</b>	permeation barrier
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_						
ı	(P 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

### **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**

Female transi	tion fittings, conductive, plas	tic to steel		
Article Number	Description	Remark	Ø (mm)	Pack Siz
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 transitio	on fittings, conductive, plastic	to steel		
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 transi	tion flange fittings, with spac	cer, conductive, plastic to s	teel	
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	on flange fittings, with space	, conductive, plastic to stee	el	
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 st	tub flanges, DIN flanges and g	jaskets for pipe terminatio	n	
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 stai	nless steel available upon request			
Compression	transition fittings, conductive	e, plastic to steel		
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 fitting	S			
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

Shut-off valve handle



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



KP 15-050HL

KP 150-125	Flex nose 1200 mm, stainless	BSP1 2" male x 2" temale union - K 2" X KC 2" union	1200
<b>Conductive</b>	flexible connectors, hexago	on nipple type	
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			
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

To open and close shut-off valve from surface level.

## **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 tin	ne may apply on stainless steel fittings.			

# KPS™ 54 mm 1-1/2" Primary Piping

Conductive petrol pipes with permeation barrier

### **Pipe**



Ar	rticle Number	Description	Remark	Ø (mm)	Length (m)
KF	P 54EC6	Pipe 54 mm, conductive	Pipe 54 mm, 5.8 m lengths. 60 units per package	54	348 m
KF	P 54EC50	Pipe 54 mm, conductive	Pipe 54 mm, 50 m coil	54	50 m
KF	P 54EC100	Pipe 54 mm, conductive	Pipe 54 mm, 100 m coil	54	100 m
Δ,	nnroved according to FN 1A	125 German standard FN 13463-1 III 971 IP2 a	nd ATEX 137 (directive 1000/02/FC)		



Conductive connectors for pipe joints					
KP CC-54	Conductor 54 mm, conductive	54	50		
Connectors used to					

# **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**





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		

1½" BSPT female / Rc 1½"

1½" BSPT male-female / R-Rc 1½"

1½" BSPT female-female / Rc-Rc 1½"

# **Transition Fittings**

remaie transition	on mungs,	conductive,	piastic to steel
Article Number	Description		Remark

Transition fitting 54 mm, steel









KP C17-54F













Male transiti	on fittings, conductive, plastic	to steel		
KP C17-54M	Transition fitting 54 mm, steel	1½" BSPT male / R ½"	54	15
Female trans	ition flange fittings, with spac	cer, conductive, plastic to st	:eel	
KP C16-54F	Transition fitting 54 mm, steel	1½" BSPT female / Rc 1½"	54	10
Male transiti	on flange fittings, with space	, conductive, plastic to stee	el	
KP C16-54M	Transition fitting 54 mm, steel	1½" BSPT male / R 1½"	54	10
Conductive s	tub flanges, DIN flanges and g	jaskets for pipe terminatio	n	
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 stai	inless steel available upon request			
Compression	transition fittings, conductive	e, plastic to steel		
KP C14-54M	Transition fitting 54 mm, brass	1½" BSPT male / R 1½"	54	1
Flange fitting	js			
KP F16-54MM	Flange fitting	1½" BSPT male-male / R-R 1½"		1



KP F16-54MF

KP F16-54FF

Flange fitting

Flange fitting

Ø (mm)

Pack Size

15

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



KPTN40-3S	Flex hose 300 mm, stainless	BSPT 1½" male x male / R 1½" x R 1½"	300			
KPTN40-4S	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						
KP 14-040	Ball valve 1½"	BSPT 1½" female / Rc 1½"	1			

# **KPS™ 32 mm 1" Primary Piping**



**Pipe** 

### 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, UL 971, IP2 and ATEX 137 (directive 1999/92/EC).



#### **Conductive connectors for pipe joints**

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

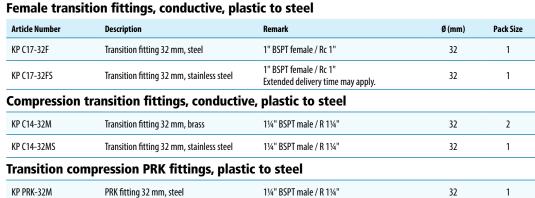
## **Entry Seals**



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

## **Transition Fittings**





1¼" BSPT male / R 1¼"

32

1





### **Flexible Connectors and Valves**

KP PRK-32MR



### Conductive flexible connectors, union coupling

PRK fitting 32/25 mm, reduced, steel

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





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	Rall valve 1"	RSPT 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 with permeation barrier	75	100 m
KP 32EL200	Electrical conduit 32 mm	Pipe 32 mm, 200 m coil 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**



į.	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

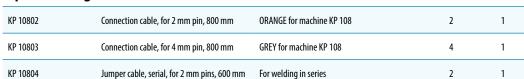
#### **Welding fixtures**



KP 1001	Welding fixture, double clamp	For 40—125 mm pipes	1
KP 409	Welding fixture, single clamp	For 40–125 mm pipes	1



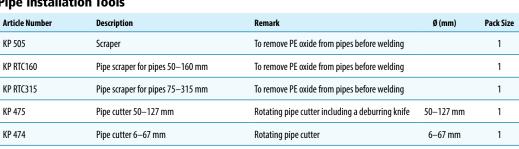




# **Pipe Installation Tools and Equipment**

#### **Pipe Installation Tools**



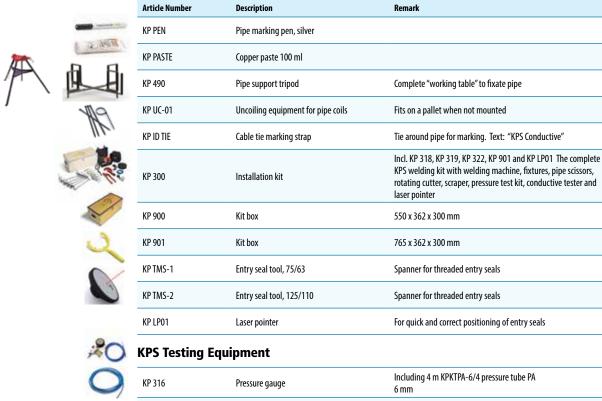




KP RTC315	Pipe scraper for pipes 75–315 mm	To remove PE oxide from pipes before welding		1
KP 475	Pipe cutter 50—127 mm	Rotating pipe cutter including a deburring knife	50-127 mm	1
KP 474	Pipe cutter 6–67 mm	Rotating pipe cutter	6–67 mm	1
KP 4750	Cutting wheels for KP 475	Contains 2 pcs		1
KP 4740	Cutting 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		100



#### Pipe Installation Tools and Equipment / continued



KP TMS-2 Entry seal tool, 125/110		Spanner for threaded entry seals		1
KP LP01	P LPO1 Laser pointer For quick and correct positioning of entry s			1
KPS Testing	Equipment			
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

Pack Size

# **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
1	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

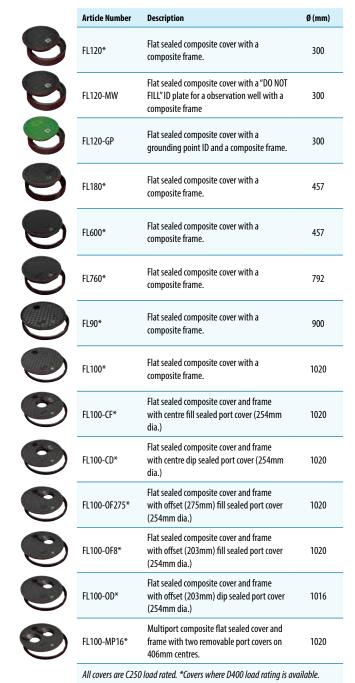




### **Covers & Containment**

### **Fibrelite™ Covers**

#### **Round Covers**



#### **Square Covers**

- 4		
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
Rectangula	r Covers	

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

Raised composite cover with an aluminium

Flat sealed composite cover with an

Flat sealed composite cover with

766 x 600

900 x 600

1400 x 700

### **Fibrelite™ Cover Accessories**

frame.

aluminium frame.

aluminium frame.

### **Lifting Handles**

FL3

FL96\*

FL140\*

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
		<u> </u>

#### Fibrelite" Cover Accessories - continued



1	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
	FI 76-SRK	FL76 Square Cover



	FL760-SRK	FL760 Round Cover
	FL90-SRK	FL90 Round Cover
1	FL450-SRK	FL450 Square Cover
	FL60-SRK	FL60 Square Cover
1	FL76-SRK	FL76 Square Cover
J	FL96-SRK	FL96 Rectangle Cover
	FL900-SRK	FL900 Square Cover
	FL140-SRK	FL140 Square/Rectangle Cover



### Captive lock down system

,	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**

FL100-SK300	GRP skirt to fit FL100 cover frame.	325
FL120-SK300	FRP skirt to fit FL120 cover.	290



	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

300
277
300
300
280
300



Skirts / Rectangle				

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-390-0D	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, adjust- able 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















	S15CR-390-CD	bel, 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-390-0D	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 cor- bel, 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-3100-0D	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

Chamber with collar ring base, a sealed cor-

Ø (m)

#### Fibrelite Tank Sumps for GRP Tanks / continued

#### **Fill Sumps**







S15CR-390-CF	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

Bolted base chamber with corbel, adjustable

### **Green Area Chamber Systems**



Ø (m)

Ø (m)

	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, corbel, water- tight platform and ring. Designed for green area applications.	1.45



#### **Accessories**

Article Number



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.

Ø (m)

# **Fibrelite™ Tank Sumps for Steel Tanks**

### **Round/Multi-sided Sumps**

**Article Number** 





















- Marie	S8-376	skirt, non-structural internal lid and square 760mm flat sealed cover and frame.	1.2
	\$8-376-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
	\$8-390	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
101	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

200
A STATE OF THE PARTY OF THE PAR

	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
	\$16\$Q-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/Oc	tagonal Sumps	
	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
		Square bolted base chamber with a sealed corbel, non-structural internal lid, adjustable	



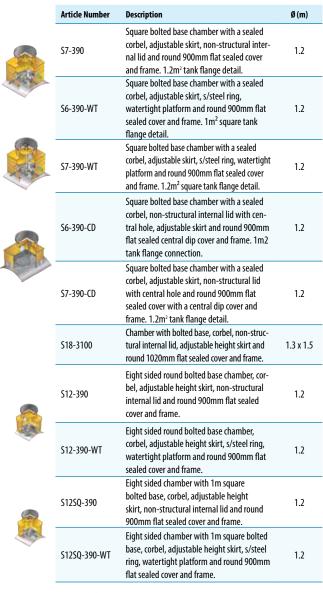






S6-376	Square bolted base chamber with a sealed corbel, non-structural internal lid, adjustable skirt and square 760mm flat sealed cover and frame. 1m² tank flange connection.	1.2
S7-376	Square bolted base chamber with a sealed corbel, non-structural internal lid, adjustable skirt and square flat sealed 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

#### Fibrelite" Tank Sumps for Steel Tanks / continued



#### **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/Oc	tagonal Green Area Systems	
	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
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. 1.2m <sup>2</sup> 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

#### Fibrelite Tank Sumps for Steel Tanks / continued

#### **Accessories**



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 \$16 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**

Description

**Article Number** 



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









hole and 900mm dia. flat sealed cover with a sealed central dip cover and frame.

### **Solid Base Round Green Area Systems**

Ø (m)

1.2

1.2

Description



Ø (m)



**Article Number** 



	Solid base chamber, corbel and non-structural	
S8SB-2100-GA	internal lid with a watertight gasket, 2 fasten- ing clips and 2 handles. 965mm clear opening	1.2
S8SB-2100-	Solid base chamber, corbel, s/steel ring, watertight structural platform with	1.2







	clips and 2 nancies. 850mm clear opening.	
S14SB-290- WT-GA	Solid base chamber, corbel, s/steel ring, watertight structural platform with handle. 850mm clear opening.	1.4

#### **Accessories**



		200	
	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

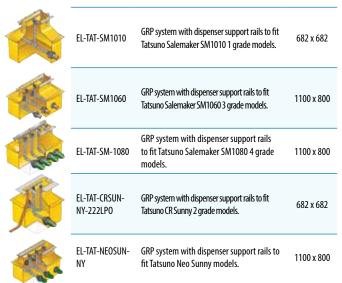
## **Fibrelite™ Dispenser Sumps**

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

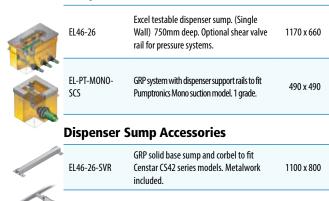
	Dresser Wa	yne		<b>a</b> )
	Article Number	Description	Dim. (mm)	100
A Ca	EL-W-VIS35	GRP system with dispenser support rails to fit Wayne Vista narrow body (886mm, 35" wide) models.	862 x 862	
J. Can	EL-W-VIS35-DC	GRP system with dispenser support rails to fit Wayne Vista narrow body (886mm, 35" wide) models. Designed to fit between double canopy columns.	780 x 780	
Ale	EL-W-VIS48	GRP system with dispenser support rails to fit Wayne Vista wide body (1219mm, 48") models.	1100 x 800	Jan.
	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	
NA CONTRACTOR	EL-W- VIS-390-399	GRP system with dispenser support rails to fit Wayne Vista 390 and 399 models.	1100 x 800	1
The same	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	
The second	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	

a)	Gilbarco Ve	eeder-Root	
	Article Number	Description	Dim. (mm)
	EL-G-E500	GRP system with dispenser support rails to fit Gilbarco Encore 500S model.	1100 x 798
The same	EL-G-E500-NB	GRP system with dispenser support rails to fit Gilbarco Encore 500S narrow body model.	1000 x 711
Mag	EL-G-ADV-48	GRP system with dispenser support rails to fit Gilbarco Advantage 48 wide body models. BO2, BO3, BO4, B84 & B85.	1100 x 800
Ma a	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
The second	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		
The state of the s	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**



#### **Pumptronics**



## 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)
	S2-3760-0F-1	GRP solid base sump, GRP spill container, GRP skirt, 760mm dia flat sealed cover and frame. ½ tin sealant. 1 Fill.	500² x 600 deep
	S2-3760-0FD-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.	500² x 600 deep
	S2-3760-0F-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.	500² x 600 deep
	S2-3760-0FD-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.	500² x 600 deep
	S2-3760-0F-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.	500² 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.	500² x 600 deep
	S2-3760-0F-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)
S57-3180-0F- 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
S2-3760-0F- 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
S2-3760-0F- 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.	500² x 600 deep
S2-3760-0F- 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
S2-3760-0F- 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

#### **Above Ground Fill Sumps**



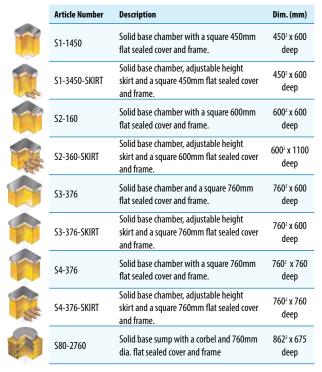
Article Number	Description	Dim. (mm)
S22-2-AGF	GRP deep aboveground fill sump with hinged double door to fit up to 7 fills and 1 VR1B.	2240 x 687 x 1257 deep
S24SH-2-AGF	GRP deep aboveground fill sump with hinged double door to fit up to 9 fills and 1 VR1B.	2750 x 793 x 775 deep
S22SH-2-AGF	GRP deep 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)
S9-3140	Solid base chamber, corbel, adjustable skirt, internal lid and flat sealed cover with frame.	1473 x 991

#### **Vent Transition Sumps**

Description



All cicle Humber	Description	J ()
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



5100-2-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
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## 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

S49-1180

S45-1180-DF

S45-1180-DFD

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.



Monitoring Well System. 300mm dia. solid base sump S0-1120-MW with a 300mm dia. grey flat sealed monitoring well cover with a black ID warning and frame.



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.



300mm dia flat sealed cover with D0 NOT FILL ID logo, FL120-MWS frame and 300mm deep skirt. Monitoring well system with open base.

#### **Direct Fill Spill Containers**



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.



Dim. (mm)

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.
8	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.
2	PSB-63	Pipe entry kit to fit 63mm single bore pipework.
2	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.
	Entry boots are available	e in viton. Denoted —V. Viton is recommended if the entry boot will come into contact

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.

#### **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 Pipe sealkit designed to fit 90mm dia. vent riser PSB-90-VT UV resistant cap to protect pipe entry sealkits installed on S11-2 VT-CAP-63 vent transition sump (fits PSB-63-VT) UV resistant cap to protect pipe entry sealkits installed on S11-2 $\,$ VT-CAP-90 vent transition sump (fits PSB-90-VT)

#### **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)
	DCE_2	110 mm dia. rubber cable entry kit designed to seal up to

16 cables. Supplied with cable ties.



	Article Number	Description
1	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.

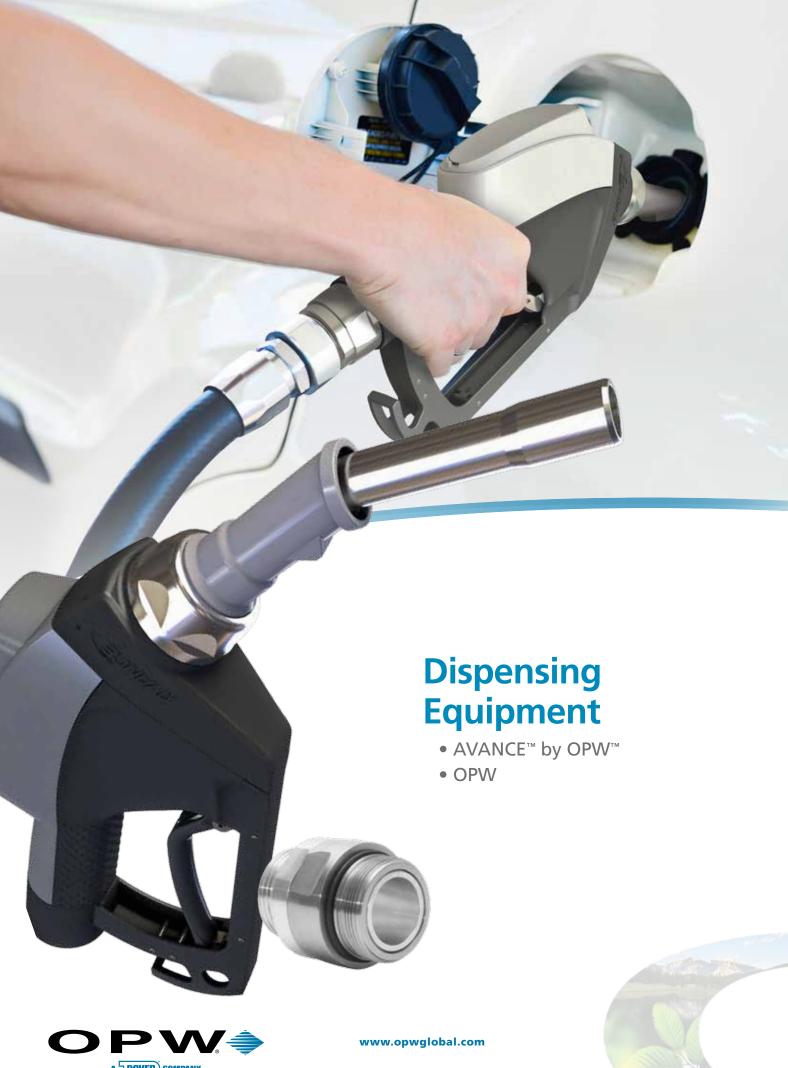


#### **Draining and Sealing**

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.





## **AVANCE™ Conventional and Vapor Recovery Nozzles**



#### PRODUCT CONFIGURATION CODE

			Α	В	C	D	E	F	G	Н	ı	J	K	L	M	N
_	PRODUCT LINE	AVANCE	Α													
В	STYLE	Conventional		C												
		Vapor Recovery		٧												
	PRODUCT TYPE	Nozzle			N											
D	SPOUT CONFIGURATION	24 mm LEADED/DIESEL <e15 b5<="" td=""><td></td><td></td><td></td><td>D</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></e15>				D										
		21 mm UNLEADED < E15				P										
		21 mm VAPOR RECOVERY <e15< td=""><td></td><td></td><td></td><td>٧</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></e15<>				٧										
Ε	COLD WEATHER RATING	Standard					N									
		Extreme cold weather rating					Х									
F	AVANCE SafetyCap (ASC)	With AVANCE SafetyCap (ASC)						В								
		Without AVANCE SafetyCap (ASC)						Α								
G	LEVER GUARD STYLE	# 3 guard style							3							
		# 4 guard style							4							
		# 8 guard style							8							
		New Tatsuno boot style							Т							
Н	MAGNET CONFIGURATION	With magnet								М						
		Without magnet								Х						
ı	HOLD OPEN OPTION	Yes									1					
		None									K					
J	TOP COVER STYLE	OPW Standard style										Α				
Κ		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		
М	BOTTOM SCUFF GUARD COLOR	Black													4	
N		Green													•	1
.4	message center cover colon	Red														3
		neu Black														4
		Blue														5
																7
		Orange														9
		Yellow														
		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.

## **AVANCE™ High-flow Nozzles**



#### PRODUCT CONFIGURATION CODE

			Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р
Α	PRODUCT LINE	AVANCE	Α															
В	STYLE	Conventional High-Flow		Н														
C	PRODUCT TYPE	Nozzle			N													
D	SPOUT CONFIGURATION	31mm OD standard spout, aluminum				Α												
Ε	COLD WEATHER RATING	Standard					N											
		Extreme cold weather rating					Х											
F	AVANCE SAFETYCAP (ASC)	With AVANCE SafetyCap (ASC)						В										
		Without AVANCE SafetyCap (ASC)						Α										
G	LEVER GUARD STYLE	# 3 guard style							3									
		# 4 guard style							4									
		# 8 guard style							8									
Н	MAGNET CONFIGURATION	With magnet								М								
		Without magnet								Х								
I	HOLD OPEN OPTION	Yes									1							
		None									K							
J	TOP COVER STYLE	OPW Standard style										Α						
K	TOP COVER COLOR	Black											4					
L	SCUFF GUARD COLOR	Black												4				
М	HANDWARMER COLOR	Black													4			
N	MESSAGE CENTER COVER COLOR	Black														4		
		Transparent														0		
0	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	
Р	COLD WEATHER RATING	Standard																N
		Extreme cold weather rating																Х

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.





## **Conventional and High-flow Swivels and Swivelbreakaways**

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

**Example: ACS-FDMA-AN** 

## **Vapor Recovery Breakaways**

			PROI	DUCT	CONF	GURA	TION	COD	E		
			Α	В	С	D	E	F	G	Н	- 1
Α	PRODUCT LINE	AVANCE	Α								
В	STYLE	Vapor recovery		V							
C	PRODUCTTYPE	Breakaway			NB1						
D	THREAD TYPE - HOSE SIDE	Female				F					
Ε	THREAD SIZE - HOSE SIDE	M34					Α				
F	THREAD TYPE - NOZZLE SIDE	Male						М			
G	THREAD SIZE - NOZZLE SIDE	M34							Α		
Н	FUELTYPE	Leaded / Unleaded / Diesel								Α	
I	COLD WEATHER RATING	Standard									N
		Extreme cold weather rating									Х

**Example: AVNB1-FAMA-AN** 

## **AVANCE™ Conventional and Vapor Recovery Hoses**

#### PRODUCT CONFIGURATION CODE

			Α	В	C	D	E	F	G	Н	-1	J	K
Α	PRODUCT LINE	AVANCE	Α										
В	STYLE	Conventional		C									
		Vapor Recovery		V									
C	PRODUCT TYPE	Hose			Н								
D	HOSE ID	Conventional "basic"				Α							
		Conventional "high"				В							
		Truck Diesel Hi-flow				D							
		Vapor Recovery Coaxial assembly				E							
Е	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							Н				
		M34 / VR without Swivel							- 1				
Н	INLET COUPLINGS - MATERIAL	Chrome-plated brass								Α			
		Brass								c			
		Stainless Steel								D			
- 1	OUTLET COUPLINGS - THREAD TYPE	Male									М		
		Female									F		
J	OUTLET COUPLINGS - THREAD SIZE	3/4" BSPP										D	
		1" BSPP										E	
		M34 / VR with Swivel										Н	
		M34 / VR without Swivel										1	
Κ	OUTLET COUPLINGS - MATERIAL	Chrome-plated brass											Α
		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**



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**



5BI-2110 Spout Kit, for 11A, leaded
5BPI-2117 Spout Kit, for 11A, unleaded

#### **Pre-pay Petrol Nozzles, Unleaded Spout**



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**



	11BL-0100	3/4" BSP, Green
	11BL-0415L	3/4" BSP, Black
0	11BL-0900	3/4" BSP, Yellow
	11B-0100	3/4" NPT, Green
	11B-0400	3/4" NPT, Black

#### **Pre-pay Nozzle Spout Kits**



•	5BBI-2135	Spout Kit, for 11B, leaded
	5BBPI-2137	Spout Kit, for 11B, unleaded

#### OPW Conventional Nozzles / continued

#### **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**



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**



7HBL-034L	1" BSP, Diesel Nozzle, Black
7HB-0400	1" NPT, Diesel Nozzle, Black

#### **High-flow Nozzle Spout Kits**



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
ì	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**



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	

#### OPW Conventional Swivels, Breakaways & Accessories / continued

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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**

	<del>-</del>
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



## **CNG EQUIPMENT**

#### **CNG Dispensing Equipment**

#### **Nozzles**





Article	Number	Inlet Thread Size	Service Pressure	Weight
PG32P	230	9/16"-18 UNF-2A	P30 - 3000 psi (200 bar)	4.6 lbs (2.08 kg)
PG42P	230	9/16"-18 UNF-2A	P30 - 3000 psi (200 bar)	4.6 lbs (2.08 kg)
PG82P	30	9/16"-18 UNF-2A	P30 - 3000 psi (200 bar)	4.6 lbs (2.08 kg)
CT100	OSS	SAE - 6, 9/16" - 18 UNF	3000 psi (200 bar)	3.61 lbs (1.63 kg)
CT100	0P36S	SAE - 6, 9/16" - 18 UNF	3600 psi (250 bar)	3.65 lbs (1.65 kg)
CT500	OS	SAE - 10, 7/8" - 14 UNF	3600 psi (250 bar)	8.77 lbs (3.98 kg)
CC300	P30S	SAE - 8, 3/4" - 16 UNF	P 30 - 3600 psi (250 bar)	1.31 lbs (0.59 kg)
CC600:	S	SAE - 6, 9/16" - 18 UNF	P 30 - 3000 psi (200 bar)	1.34 lbs (0.61 kg)
CC600	0	SAE - 6, 9/16" - 18 UNF	P 36 - 3600 psi (250 bar)	2.94 lbs (1.33 kg)

**Outlet Thread Size** 

SAE - 6,9/16" - 18UNF

SAE - 6,9/16" - 18 UNF (female)

SAE - 10,7/8" - 14 UNF (female)

Service Pressure

3600 psi (250 bar)

3600 psi (250 bar)

3600 psi (250 bar)

5000 psi (345 bar)

5000 psi (345 bar)

5000 psi (345 bar)

5000 psi (345 bar)

#### **In-line Breakaways and Hoses**

Inlet Thread Size

SAE - 6,9/16" - 18 UNF (female)

SAE - 10,7/8" - 14 UNF (female)

Standard NGV-1 Dual CNG Hose, 11'

Standard NGV-1 Dual CNG Hose, 12'

Heavy-duty Dual CNG Hose 11'

Heavy-duty Dual CNG Hose 13'

**CNG Hose Retractor** 

**CNG Hose Retractor** 

SAE - 6,9/16" - 18 UNF













#### **Receptacles**

Article Number

FLB-1000

FLB-5000

NGVLB

LDCNGHOSE-11

HDCNGHOSE-11







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)
	CL40 CL50 LD30 LD36 LB30	CL40 9/16" (1.43 cm) - 18 SAE-6 Female Port CL50 7/8" 14 SAE-10 Female Port LD30 NGV1 Receptacle w/ Bulkhead, P30 LD36 NGV1 Receptacle w/ Bulkhead, P36 LB30 NGV1 Receptacle w/ 3/4" flats, P30	CL40 9/16" (1.43 cm) - 18 SAE-6 Female Port 3600 psi (248 bar)  CL50 7/8" 14 SAE-10 Female Port 3600 psi (248 bar)  LD30 NGV1 Receptacle w/ Bulkhead, P30 3000 psi (200 bar)  LD36 NGV1 Receptacle w/ Bulkhead, P36 3600 psi (250 bar)  LB30 NGV1 Receptacle w/ 3/4" flats, P30 3000 psi (200 bar)

#### **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

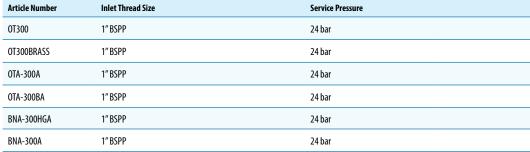




## **LPG Dispensing Equipment**

#### **Nozzles**







#### **Breakaways and Accessories**



OC123	3/4" BSPP Female, Shear Valve	350 psi (24 bar)
0AS400	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



# Electronic Fuel Management Systems

• SiteSentinel®



## **FUEL MANAGEMENT SYSTEMS**

## **SiteSentinel® Nano™ System**



#### Consoles

NANO OPW SiteSentine® Nano® console with display and TCP/IP option  SF-POS-INT Enable 3rd party POS Interface  SF-POS-INT 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 ethemet 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-MINI-INVNIT 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  TS-O130 Citizen printer  12-3048 TCP/IP cross over cable  20-1517-05 Journal printer cable  30-2019 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  SF-INOR CONTINUE OF DEVENTION of the Control of the Control functions in response to alarm conditions (up to 4 modules per console)	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 ethemet 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  TS-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) 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)	NANO	OPW SiteSentinel® Nano™ console with display and TCP/IP option
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/reconcilitation-ACR (includes PV4 protocol, block protocol and ethemet dispenser interface)  SF-DENSITY Density report capability (requires density measurement sensor, 1 per probe)  SF-ALM-NITFY 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-UNGT-MEAS Weights and measurement flag  SF-INV-WGT Enables display of inventory weight  Accessories  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) 230V  54-1108 Terminal printer paper  20-8312-iSite Output module - used with the SiteSentinel Site to provide external control functions in response to alarm conditions (up to 4 modules per console)	Options	
SF-ALM-KIT Alarm functions for probe and sensors (includes internal buzzer, flashing display warning and two outputs for external alarm activation)  SF-AEAR-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-NITY 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  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  Output module - used with the SiteSentinel iSite to provide external control functions in response to alarm conditions (up to 4 modules per console)	SF-POS-INT	Enable 3rd party POS Interface
SF-ALM-RIT 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-INVNIT One minute inventory data storage  SF-ONE-MIN-INVNIT One minute inventory data storage  SF-ON4 Enables support of 0M4 relay  SF-INV-WGT Enables display of inventory weight  Accessories  T5-0130 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) 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)	SF-DEL-RPT	Delivery Monitoring and Report Capability
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  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)	SF-ALM-KIT	
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  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)	SF-LEAK-DET	In-tank leak detection capability (requires level 1 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  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)	SF-ACR	Auto calibration/reconciliation-ACR (includes PV4 protocol, block protocol and ethernet dispenser interface)
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  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)	SF-DENSITY	Density report capability (requires density measurement sensor, 1 per probe)
SF-WGT-MEAS Weights and measurement flag  SF-OM4 Enables support of OM4 relay  SF-INV-WGT Enables display of inventory weight  Accessories  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)	SF-ALM-NTFY	Alarm e-mail, text and fax notification function
SF-OM4 Enables support of OM4 relay  SF-INV-WGT Enables display of inventory weight  Accessories  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)	SF-ONE-MIN-INVNT	One minute inventory data storage
SF-INV-WGT Enables display of inventory weight  Accessories  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)	SF-WGT-MEAS	Weights and measurement flag
Accessories  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)	SF-0M4	Enables support of OM4 relay
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)	SF-INV-WGT	Enables display of inventory weight
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)	Accessories	
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)	75-0130	Citizen printer
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)	12-3048	TCP/IP cross over cable
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)	20-1517-05	Journal printer cable
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)	30-0219	OPW riser cap and collar 4" (102 mm) NPT thread with grommet
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)	30-2015	External alarm (light/buzzer/silence switch-outdoor rated) 110V
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)	30-2015-230	External alarm (light/buzzer/silence switch-outdoor rated) 230V
zu-8312-ISILE modules per console)	54-1108	Terminal printer paper
MCD0001 CD = OPW installation operation and configuration manuals CD	20-8312-iSite	
medovo i e o i i i installationi, operationi and configuration manuals co	MCD0001	CD - OPW installation, operation and configuration manuals CD

## 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
SEM&W CALLOCK	

#### 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**



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**

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

Accessories	
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

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® 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

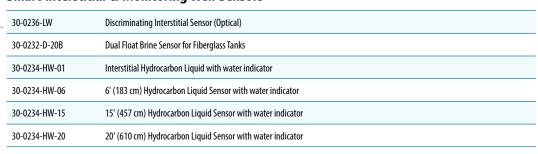
#### **Smart Discriminating Sump Sensors**



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**







#### **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**

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











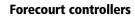






30-3206	Interstitial Hydrocarbon Liquid with water indicator
30-3207-06	6' (183 cm) Hydrocarbon Liquid Sensor
30-3207-10	10' (305 cm) Hydrocarbon Liquid Sensor
30-3207-15	15' (457 cm) Hydrocarbon Liquid Sensor
30-3210-06	6' (183 cm) Hydrocarbon Liquid Sensor with water indicator
30-3210-15	15' (457 cm) 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**





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

and have long been the standard upon which all other fueling products are measured.







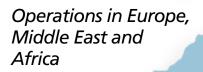














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#### **OPW Retail Fueling**

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.