Enhance your customer’s fuelling experience with the new 21 series of fuelling nozzles and accompanying swivels and breakaways by OPW. Sleek, attractive and lightweight European styling designed for ultimate aesthetic appeal and comfort. Engineered for precise fuelling control, the 21 family of nozzles features technology that lets your customer experience a true quality handshake with your fuelling site.
OPW 21 Series European Nozzles
Petrol | Vapour Recovery | Diesel | AdBlue

Now you can get European style and world-renowned OPW quality with the new OPW 21 series of fuelling nozzles

All the form your customers are familiar with in an European-class nozzle design, ATEX and TUV certified and backed by the engineering excellence that makes OPW the quality leader around the world. Give your customers a fuelling experience that keeps inviting them back.

- **OPW 21A** – conventional non-vapour recovery nozzle with a 25mm diesel spout or 21mm (21AP) unleaded petrol spout
- **OPW 21B** – conventional non-vapour recovery nozzle with no pressure/no flow device for 25mm diesel or 21mm (21BP) unleaded petrol spouts
- **OPW 21AG** – unleaded vapour recovery nozzle without vapour valve or (21AGV) with vapour valve
- **OPW 21BG** – unleaded vapour recovery nozzle with no pressure/no flow device without vapour valve or (21BGV) with vapour valve
- **OPW 21H** – high-flow truck stop diesel nozzle with 140 LPM and 32mm spout
- **OPW 21ADB** – AdBlue nozzle with 19mm spout

Ergonomic handgrip, easy-to-activate and hold-open latch
Large (47mm), interchangeable message center for branding or promotions. Side tab available for fuel identification

### Key Features & Benefits
- A superior fuelling experience, engineered to inspire consumer preference
- Exceeds ATEX safety standards protecting consumers and the environment
- Built to last: the long-term solution / lower cost of ownership
- Available in multiple guard configurations to fit your dispensing equipment
- Fuel identification (new EU directive) neatly positioned on side of message centre with no unsightly add-on tabs
- Utilises Accu-Stop™ flow control for precise metering at the pump
- Designed to minimise post-fuelling drips
- Stainless Steel spout tip standard on all models to increase durability and nozzle life
- Low temperature option available on all models
- Nozzles available with swivel or swivel / breakaways to enhance consumer ease of use

### Design Working Pressure
- 3.5 bar maximum pressure

### Temperature Range
- -30°C to 55°C - standard
- -54°C to 55°C - extreme temperature (not available on 21ADB)

### LPM Flow Chart

### Materials (dependent on model)
- Aluminium, plated/coated aluminium, nickel, stainless steel, brass, PU, NBR, FKM, FVMQ, PTFE, PEEK, POM, PA, PET, PP, PVC, TPU.

### Fuel Compatibility
- Gasoline and gasoline-ethanol blends up to 85% Ethanol
- Diesel and BioDiesel Blends up to 20% Biodiesel

### Models

<table>
<thead>
<tr>
<th>Nozzle</th>
<th>Dim A</th>
<th>Dim B</th>
<th>Dim C</th>
<th>Spout</th>
</tr>
</thead>
<tbody>
<tr>
<td>21H</td>
<td>360mm</td>
<td>360mm</td>
<td>185mm</td>
<td>32mm</td>
</tr>
<tr>
<td>21A/21B</td>
<td>360mm</td>
<td>347mm</td>
<td>195mm</td>
<td>25mm</td>
</tr>
<tr>
<td>21AP/21BP</td>
<td>370mm</td>
<td>347mm</td>
<td>197mm</td>
<td>21mm</td>
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<tr>
<td>21AG/21AGV</td>
<td>370mm</td>
<td>347mm</td>
<td>197mm</td>
<td>21mm</td>
</tr>
<tr>
<td>21BG/21BGV</td>
<td>370mm</td>
<td>347mm</td>
<td>197mm</td>
<td>21mm</td>
</tr>
<tr>
<td>19ADB/19ADB</td>
<td>381mm</td>
<td>358mm</td>
<td>207mm</td>
<td>19mm</td>
</tr>
</tbody>
</table>

### Hand Insulator Colours
- Bare
- Blue
- Orange
- Black
- Silver
- Red
- Green
- Gold
- Yellow

### Call: +44 (0) 1756 794 963
Email: enquire@opwglobal.com

FUELLING | SUCCESS
www.opwglobal.com/21
### 21 Series Nozzle Ordering Specification

#### Nozzle Type

- **(blank)** = Diesel (25mm spout with stainless steel tip)
- **P** = Unleaded (21mm spout with stainless steel tip)
- **G** = Vapour Recovery with Vapour Valve (21mm spout with stainless steel tip)
- **GV** = Vapour Recovery with Vapour Valve (21mm spout with stainless steel tip and on/off vapor valve)
- **H** = High Flow Diesel (30mm spout with stainless steel tip)
- **DB** = AdBlue (does not require MFPD device) (19mm stainless steel spout)
- **DBM** = AdBlue (requires MFPD device) (19mm stainless steel spout)

#### Swivel/Breakaway

- **A** = Swivel, 1” BSP Male Inlet
  - 68S-1600 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-2500 M42 male outlet, for use on 21H
  - 68S-1630 M34 male outlet, for use on 21ADB, 21ADBM
- **B** = Swivel, 1” BSP Female Inlet
  - 68S-1601 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-2501 M42 male outlet, for use on 21H
  - 68S-1633 M34 male outlet, for use on 21ADB, 21ADBM
- **C** = Swivel, 3/4” NPT Female Inlet
  - 68S-1603 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-1633 M34 male outlet, for use on 21ADB, 21ADBM
- **D** = Swivel, 3/4” BSP Female Inlet
  - 68S-1604 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-1634 M34 male outlet, for use on 21ADB, 21ADBM
- **E** = Swivel, 1” NPT Female Inlet
  - 68S-1605 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-2505 M42 male outlet, for use on 21H
- **F** = Swivel, 3/4” BSP Male Inlet
  - 68S-1607 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
- **G** = Swivel Break, 1” BSP Male Inlet
  - 68SB-1600 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2500 M42 male outlet, for use on 21H
  - 68SB-1630 M34 male outlet, for use on 21ADB, 21ADBM
- **H** = Swivel Break, 1” BSP Female Inlet
  - 68SB-1601 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2501 M42 male outlet, for use on 21H
- **J** = Swivel Break, 3/4” NPT Female Inlet
  - 68SB-1603 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-1633 M34 male outlet, for use on 21ADB, 21ADBM
- **K** = Swivel Break, 3/4” BSP Male Inlet
  - 68SB-1604 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2504 M42 male outlet, for use on 21H
- **L** = Swivel Break, 3/4” NPT Female Inlet
  - 68SB-1605 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2505 M42 male outlet, for use on 21H
- **M** = Swivel Break, 1” NPT Male Inlet
  - 68S-1607 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
- **N** = NO Break VR (Only Option on VR)

#### Additional Options

- **(blank)** = None
- **B** = No hold open
- **D** = Alternate filter mesh
- **F** = No magnet

#### DSA (No Pressure, No Flow Device)

- **A** = Not included
- **B** = Included

DSA is a pressure sensing system that automatically closes the nozzle at the end of a prepay refuelling operation—indipendently of whether or not the nozzle was left open by the customer.

#### Guard Shape

- **3** = #3M Guard
- **4** = #4M Guard
- **8** = #8Drm Guard

#### Temperature Range

- **N** = Standard (down to -20°C)
- **X** = Cold weather (down to -45°C) (cold not available with DB or DBM nozzles)

#### Scuff Guard Colour

- **1** = Green
- **2** = Silver
- **3** = Red
- **4** = Black
- **5** = Blue
- **6** = White
- **7** = Gold
- **8** = Orange
- **9** = Yellow
- **0** = Scuff guard, product sleeve & product badge not included

#### Splash Guard Colour

- **0** = Not included
- **8** = Included

#### Temperature Range

- **N** = Standard (down to -20°C)
- **X** = Cold weather (down to -45°C) (cold not available with DB or DBM nozzles)

#### Additional Options

- **(blank)** = Same as Scuff Guard
- **1** = Green
- **2** = Silver
- **3** = Red
- **4** = Black
- **5** = Blue
- **6** = White
- **7** = Gold
- **8** = Orange
- **9** = Yellow

#### Swivel/Breakaway

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  - 68S-2501 M42 male outlet, for use on 21H
- **C** = Swivel, 3/4” NPT Female Inlet
  - 68S-1603 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-1633 M34 male outlet, for use on 21ADB, 21ADBM
- **D** = Swivel, 3/4” BSP Female Inlet
  - 68S-1604 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-1634 M34 male outlet, for use on 21ADB, 21ADBM
- **E** = Swivel, 1” NPT Female Inlet
  - 68S-1605 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-2505 M42 male outlet, for use on 21H
- **F** = Swivel, 3/4” BSP Male Inlet
  - 68S-1607 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
- **G** = Swivel Break, 1” BSP Male Inlet
  - 68SB-1600 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2500 M42 male outlet, for use on 21H
  - 68SB-1630 M34 male outlet, for use on 21ADB, 21ADBM
- **H** = Swivel Break, 1” BSP Female Inlet
  - 68SB-1601 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2501 M42 male outlet, for use on 21H
- **J** = Swivel Break, 3/4” NPT Female Inlet
  - 68SB-1603 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-1633 M34 male outlet, for use on 21ADB, 21ADBM
- **K** = Swivel Break, 3/4” BSP Female Inlet
  - 68SB-1604 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68SB-2504 M42 male outlet, for use on 21H
- **L** = Swivel Break, 3/4” NPT Male Inlet
  - 68S-1605 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
  - 68S-2505 M42 male outlet, for use on 21H
- **M** = Swivel Break, 1” NPT Male Inlet
  - 68S-1607 M34 male outlet, for use on 21A, 21AP, 21B, 21BP
- **N** = NO Break VR (Only Option on VR)

#### P = Break, Co-Ax Vapor Recovery With M34 Male Outlet

- 68CB-2102 for use on 21AG, 21AGV, 21BG, 21BGV

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**Call:** + 44 (0) 1756 794 963  
**Email:** enquire@opwglobal.com
68 Series Swivels & Breakaways

Key Features & Benefits
- M34 thread male on nozzle side for standard flow, M42 for high-flow
- Free rotation
- Aluminum body construction with stainless steel swivel nut, low friction Buna-N seal, and acetal bearings
- Working pressure: 3.5 bar
- Conventional and high flow versions available

- Standard temperature range -20 °C up to +55 °C. An optional cold weather variant is available, offering an extended temperature range down to -45 °C
- The swivel performance complies with EN 13617-4 Standard ATEX approved, examination certificate: SIRA 13ATEX 9277U
- The breakaway performance complies with EN 13617-4 Standard ATEX approved, examination certificates 14ATEX9131U (68SB) & 14ATEX9132U (68CB)

Conventional Swivel

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Hose Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>68S-1600</td>
<td>1” BSPP Male</td>
</tr>
<tr>
<td>68S-1601</td>
<td>1” BSPP Female</td>
</tr>
<tr>
<td>68S-1604</td>
<td>3/4” BSPP Male</td>
</tr>
<tr>
<td>68S-1607</td>
<td>3/4” BSPP Female</td>
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Cold Weather

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Hose Side</th>
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<tbody>
<tr>
<td>68S-1600-XC</td>
<td>1” BSPP Male</td>
</tr>
<tr>
<td>68S-1601-XC</td>
<td>1” BSPP Female</td>
</tr>
<tr>
<td>86S-1604-XC</td>
<td>3/4” BSPP Male</td>
</tr>
<tr>
<td>68S-1607-XC</td>
<td>3/4” BSPP Female</td>
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Swivel Breakaway

<table>
<thead>
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<tbody>
<tr>
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<td>68S-1607</td>
<td>3/4” BSPP Female</td>
</tr>
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Cold Weather

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<td>3/4” BSPP Male</td>
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<td>68S-1607-XC</td>
<td>3/4” BSPP Female</td>
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High-Flow Swivel

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<tr>
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<tbody>
<tr>
<td>68SB-1600</td>
<td>1” BSPP Male</td>
</tr>
<tr>
<td>68SB-1601</td>
<td>1” BSPP Female</td>
</tr>
<tr>
<td>68SB-1604</td>
<td>3/4” BSPP Male</td>
</tr>
<tr>
<td>68SB-1607</td>
<td>3/4” BSPP Female</td>
</tr>
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Cold Weather

<table>
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<tr>
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<tbody>
<tr>
<td>68SB-1600-XC</td>
<td>1” BSPP Male</td>
</tr>
<tr>
<td>68SB-1601-XC</td>
<td>1” BSPP Female</td>
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<tr>
<td>86SB-1604-XC</td>
<td>3/4” BSPP Male</td>
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<tr>
<td>68SB-1607-XC</td>
<td>3/4” BSPP Female</td>
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Vapour Recovery Breakaway

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<td>68CB-2102</td>
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Cold Weather

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High-Flow Vapour Recovery Breakaway

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<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>68SB-2500</td>
<td>1” BSPP Male</td>
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<tr>
<td>68SB-2501</td>
<td>1” BSPP Female</td>
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Cold Weather

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<th>Hose Side</th>
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<tbody>
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<td>1” BSPP Male</td>
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