Long Reach Type Top Loading Arm B32F, B32RF

FEATURES AND BENEFITS

This popular OPW top loading arm is specifically designed for those applications where smooth handling and wide working range is required. Especially useful for top loading of railcars or multi-compartment tank trucks.

The boom, supported by a high quality pillow block, allows for maximum flexibility and smooth operation combined with a significant longer reach. Both boom and arm can be folded back against the gantry for convenient, compact storage away from the traffic flow.

Commonly used to handle high flow rates and withstand rough usage in railcar and tank-truck loading applications. A stable construction is guaranteed by the supported boom which allows optional accessories to be mounted.

- **Ideal** for applications where a wide working envelope is required
- **Easy to handle**, smooth operation
- **Compact** storage when not in use
- **All flanged construction** for ease of maintenance
- **Swivels** equipped with grease nipple
- **Durable** construction
- **Available in** 2” / dn50, 3” / dn80, 4” / dn100 and 6” / dn150 with ASA 150lbs RF or DIN PN10/16 inlet flange

**B32RF** with inboard loading valve and remote control handle, B32F without valve

- **Inverted** intermediate swivel and/or inlet orientation, model B33RF or B33F, to assist self draining capability available
- **Boom arm** can be made with upwards or downwards slope
- **Design** allows for optional vapour recovery cone
- **Adaptable** to tight-fill or closed-system loading with optionally supplied swivels and couplers
- **Alternative materials** of construction Carbon Steel or 316/316L Stainless Steel
- **Wide range** of swivel seal material available
- **Pre-balanced** at the factory to minimise installation and commissioning time

CERTIFICATES

- NEN-EN-ISO 9001:2000
- PED 97/23/EC
- ATEX 94/9/EC
**Product Specification**

**Materials of construction**

- Inlet swivel: Carbon steel
- Intermediate swivel: Ductile Iron
- Drop tube swivel: Aluminium
- Swivel seals: Viton® GFLT
- Boom arm: Carbon Steel
- Primary arm: Aluminium
- Drop tube: Aluminium

**Dimensions**

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions (in mm)</th>
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<tbody>
<tr>
<td></td>
<td>D</td>
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<tr>
<td>2” / dn50</td>
<td>2200</td>
</tr>
<tr>
<td>3” / dn80</td>
<td>2200</td>
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<tr>
<td>4” / dn100</td>
<td>2200</td>
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<tr>
<td>6” / dn150</td>
<td>2200</td>
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</table>

Other dimensions available on request

**Spare Parts**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
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<tbody>
<tr>
<td>3002K-20-VG</td>
<td>2”/dn50 swivel seal replacement kit, Viton® GFLT</td>
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<tr>
<td>3002K-30-VG</td>
<td>3”/dn80 swivel seal replacement kit, Viton® GFLT</td>
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<tr>
<td>3002K-40-VG</td>
<td>4”/dn100 swivel seal replacement kit, Viton® GFLT</td>
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<tr>
<td>3002K-60-VG</td>
<td>6”/dn150 swivel seal replacement kit, Viton® GFLT</td>
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<tr>
<td>6402RK-0202</td>
<td>2”/dn50 loading valve repair kit, Viton®</td>
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<tr>
<td>6402RK-0302</td>
<td>3”/dn80 loading valve repair kit, Viton®</td>
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<tr>
<td>6402RK-0402</td>
<td>4”/dn100 loading valve repair kit, Viton®</td>
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**OPW Loading Valve**

- **Dead man type** valve closes automatically when lever is released.
- **Adjustable closing ratio** prevents line shock, ensures smooth valve closure.
- **Integrated** TTMA flanges
- **Straight** or angle design
- **Built in** Vacuum Breaker Valve.
- **Viton®** seal as standard, optional Buna; LT Buna.

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Article number</th>
<th>Description</th>
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<tbody>
<tr>
<td>466-AL30</td>
<td>Drip pan, for 3&quot; /dn80 arm</td>
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<tr>
<td>466-AL40</td>
<td>Drip pan, for 4&quot;/dn100 arm</td>
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<tr>
<td>466-AL60</td>
<td>Drip pan, for 6&quot;/dn150 arm</td>
</tr>
<tr>
<td>464RP-AL30</td>
<td>T-deflector, for 3&quot;/dn80 arm</td>
</tr>
<tr>
<td>464RP-AL40</td>
<td>T-deflector, for 4&quot;/dn100 arm</td>
</tr>
<tr>
<td>788L-0040</td>
<td>Lock down device, right hand configuration</td>
</tr>
<tr>
<td>788LLH-0045</td>
<td>Lock down device, left hand configuration</td>
</tr>
</tbody>
</table>

Additional accessories include: Level detection; Position detection; Working position locking device, Parking lock, Automated or manual ball valve, Telescopic Drop tube and many more, please consult factory for information and availability.
OPW Fluid Transfer Group: One Company, Five Brands

Dedicated engineered and patented solutions for pipe, tube and hose connections used for extreme applications high/low temperature & pressure and nuclear.
Examples: RapidLOK™ for flange replacement; save vents and drains; locking quick connect; product recovery systems; cryogenic couplings; autoclave check valves …
www.hiltap.com

Mechanical and electronic components and systems for the safe loading, transportation and offloading of hazardous fluids on road tankers.
Examples: flat bottom API’s; bottom valves; vapour recover valves; overfill prevention system; sealed parcel delivery system; onboard monitoring system; crossover prevention system …
www.civacon.com

Mechanical and electronic components and systems for the safe storage, transfer and loading of hazardous fluids at chemical plants, refineries and terminals.
Examples: loading arms for fuels, chemicals, bitumen; rack monitoring system; quick disconnects (kamlok®, autolok™); dry disconnects (epsilon™, dylok™, kamvalok®); floating suction assemblies …
www.opw-es.com

Components and systems for the safe loading, transportation and offloading of hazardous fluids and dry bulk on pressure & non-pressure railroad tank cars and dry bulk road tankers.
Examples: pressure & vacuum relief valves; needle valves; top transfer valves; valve actuator systems; overfill prevention systems …
www.midlandmfg.net

Components for pneumatic tank trailers, rail cars, chemical and pharmaceutical plants, and any application requiring the processing, movement and storage of dry bulk or liquid materials.
Example: butterfly valves; ball valves; sample systems; actuators; aeration systems; swing check valves …
www.suresealinc.com

From the European Head office near Amsterdam The Netherlands, these 5 OPW Fluid Transfer Group brands are supported. In addition Loading Arms, Tank Truck equipment and its related accessories are designed and manufactured here to serve the OPW FTG Europe BV territory.
www.opw-ftg.nl