AUTOMOTIVE QUICK CONNECTORS PRODUCT CATALOG

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Dear Partner,

I am happy to share with you our new 2019 catalog ARaymond Quick Connectors. It aims to display our best-in-class technical solutions, and to help you make well-informed decisions. This year our product range of secured connectors has been reinforced. We are pleased to present new products with design featuring multi proofs of connection, ease of use and serviceability, developed to ensure a secure connection and to answer to specific customer requirements.

Our representatives around the globe will be happy to provide detailed information and to demonstrate the new products to you. Please don’t hesitate to contact us for further support to find the fluid connection solutions that is most suited for your project.

I have always loved product catalogues and the connection it created between a designer and a user. Despite the growing shift to digital catalogues, I do personally believe the printed ones provide a great emotional response and memory. In fact neuroscientists have proven that print ads caused more activity in the areas of the brain that are associated with value and desire! So please enjoy this latest version of our product catalogue with no restriction.

Hocine Ibegazene
President of ARaymond Fluid Connection EMEA / France
QUICK CONNECTORS SPECIFICATIONS

ADVANTAGES

• Manufactured in plastic for reduced weight and corrosion resistance.
• Helps meet environmental requirements / emissions.
• A very compact and short connector, easy for use.
• Reduces assembly cycle time and increasing productivity: no tool required to disconnect in aftermarket applications.
• Biggest range of Quick Connectors worldwide for fuel lines and all car circuits.
• Variety of angles, geometries, diameters.
• Versatility of our Quick Connectors: Integrated functions such as shut-off valve, calibrated valve, one-way-valve, pressure regulator valve, pressure check valve.
• Critical cleanliness guaranteed on all Quick Connectors.
• Assembly proofing devices.

Our wide range of products is bringing technical solutions for fluid connection.

DESCRIPTION OF COMPONENTS

End piece

Quick Connector

Nylon tube connection profile (Fir tree)

O’ring external

End piece profile

O’ring internal

Body

Retaining spring

Retaining ring

Spacer

Nylon tube connection profile (Fir tree)

O’ring external
DESIGN

1-button QC

2-button QC

RayLOCK® QC

P2L® QC

Metal P2L® QC

Selfy® QC

Click P2L® QC

VDA QC

ELock QC

Steelock QC

S2L® QC

FlagLOCK® QC
QUICK CONNECTORS SPECIFICATIONS

ORIENTATION

- **Straight 0°**
- **Elbow 30°**
- **Elbow 35°**
- **Elbow 45°**
- **Elbow 55°**
- **Elbow 65°**
- **Elbow 90°**
- **3 ways + 2 nylon tubes profiles**
- **3 ways + 1 nylon tube & end piece profiles**
- **4 ways Adaptor**

ROTATED WINDOWS

The button or locker feature can be offered in various rotated positions for accessibility issues. For 1-button, 2-button, RayLOCK®, P2L®, Selfy®, Click P2L®, and VDA QCs.

- **RW 0°**
- **RW 90°**
- **RW 180°**
- **RW 270°**
ASSEMBLY CHECKING DEVICES

Assembly check PullTab

Spring off element

OTHER ACCESSORIES

Protection cap for end piece

Protection cap for fir tree

Color clip for color coding

QC with plug

Protection cap for 1 or 2 Button QC

Protector connector cover
QUICK CONNECTORS SPECIFICATIONS

SHUT OFF VALVE

*Shut Off Valve* is specified to allow flow when connected to an end piece and no flow when disconnected.

ONE WAY VALVE

*One Way Valve* or non return valve is specified to allow flow in one direction only. The valve is integrated within the QC.
**CALIBRATED VALVE**

Calibrated Valve is specified when an accurate opening pressure is required and to allow flow in one direction only. The valve is integrated within the QC.

![Calibrated Valve Diagram](image)

**PRESSURE REGULATOR**

Pressure Regulator is specified when an accurate control of the pressure is required in relation to a functional pressure/flow rate curve. The valve is integrated within the QC.

![Pressure Regulator Diagram](image)
QUICK CONNECTORS SPECIFICATIONS

RG® VALVE

RG® Valve is specified when access is required to a system for maintenance or diagnostics. The valve is manually opened or closed and allows drain.

ONLINE CATALOG

catalog.araymond-automotive.com

Join us on our website and discover the online catalog for ARaymond fluid connection.
We are able to offer diverse solutions for pressure and temperature. Feel free to contact us.

**APPLICATIONS**

- Fuel System (liquid)
- Fuel System (vapor)
- Crankcase Breather
- Clutch System
- Transmission Oil Cooling (TOC)
- Power Steering
- Turbo Charger Lubrication
- Brake Booster Vacuum
- Hydraulic Brake
- HVAC
- Thermal Management
- Urea SCR System
- Various applications

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SECURED CONNECTIONS

For over 30 years, ARaymond has successfully been producing quick connectors. Since the patent of our original ARaymond 2-button QC design, we have evolved our Quick Connector portfolio with key enhancements that meet the challenges of the dynamic automotive industry.

By listening to our customers and anticipating future demands, we develop solutions that provide more value to the end user. We focus on improvements to the assembly process that provide connections that are simple, safe, secure, and reliable.

- SIMPLE: Automatic connection
- SMART: Foolproof connection: Audible, tactile and visual confirmation
- SECURE: No connection until end piece is properly seated
- COMBINES: Well-known products of ARaymond into one double securing latch solution
- CONFIRMS: Confirms and assures the secure connection by double latch concept
- COMPLEMENTS: Enhances P2L® range
A23 Fuel System (Liquid)
2-Button QC - End cap

NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A44 Fuel System (Liquid)
P2L® QC

PA 2.5x4.0
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A43 Fuel System (Liquid)
P2L® QC

PA 2.5x4.0
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A32 Fuel System (Liquid)
2-Button QC

PA 2.5x5.0
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A0 Fuel System (Liquid)
2-Button QC

PA 3.35x4.5
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A14 Fuel System (Liquid)
2-Button QC

PA 3.35x4.5
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A2 Fuel System (Liquid)
2-Button QC

PA 6.0x8.0
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A3 Fuel System (Liquid)
2-Button QC

PA 6.0x8.0 or 5/16”
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

A1 Fuel System (Liquid)
2-Button QC

PA 6.0x8.0 or 5/16”
NT80, NT81
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

OTHER APPLICATIONS
A13

OTHER APPLICATIONS
A19

OTHER APPLICATIONS
A13

OTHER APPLICATIONS
A19

OTHER APPLICATIONS
A17

OTHER APPLICATIONS
A12

OTHER APPLICATIONS
A17
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<th>Application</th>
<th>Description</th>
<th>Working Pressure</th>
<th>Temperature Range</th>
<th>Other Applications</th>
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<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
<td>A20</td>
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<td>A34</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>A40</td>
<td>Fuel System (Liquid)</td>
<td>P2L® QC - RW 0°</td>
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<td>-30°C to 120°C</td>
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<td>A41</td>
<td>Fuel System (Liquid)</td>
<td>P2L® QC - RW 0°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>A5</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>A6</td>
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<td>2-Button QC-Single O-Ring</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>A30</td>
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<tr>
<td>A31</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>A39</td>
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<td>2-Button QC-RW 0°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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</tbody>
</table>

Additional information:
- **A33**: IN 4.0x6.0 or 1/4"
- **A40**: NT80, NT81
- **A5**: Rubber 3.2
- **A30**: Rubber 5.5
- **A31**: Rubber 5.5
- **A39**: Rubber 4.0
- **A5**: NT80, NT81
- **A30**: NT80, NT81
- **A2**: A19, A29
- **A40**: NT80, NT81
- **A31**: NT80, NT81
- **A39**: NT80, NT81
- **A33**: PA 4.0x6.0 or 1/4"
- **A40**: PA 4.0x6.0 or 1/4"
- **A39**: PA 4.0x6.0 or 1/4"
- **A39**: New tool required
- **A33**: Working pressure: 0.5 to 2 bars
- **A40**: Working pressure: 0.5 to 2 bars
- **A39**: Working pressure: 0.5 to 2 bars
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<thead>
<tr>
<th>Model</th>
<th>Urea SCR system</th>
<th>2-Button QC</th>
<th>Ambient T°: -40°C to 120°C</th>
<th>T°: -40°C to 70°C max for AdBlue® liquid</th>
<th>Working pressure: 5 to 7 bar</th>
<th>Other Applications</th>
</tr>
</thead>
</table>
| A13   | Straight       | PA 3.35x4.5 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A0 |
| A17   | 90°            | PA 3.35x4.5 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A14 |
| A19   | 2-Button QC    | PA 6.0x8.0 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A2 A5 |
| A42   | Straight       | PA 6.0x8.0 or 5/16" NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A1 |
| A20   | 90°            | Rubber 3.2 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A33 |
| A35   | Straight       | Rubber 4.0 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A14 |
| A36   | 90°            | Rubber 4.0 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A30 |
| A28   | Straight       | Rubber 5.5 NT80, NT81 | • Ambient T°: -40°C to 120°C  
• T°: -40°C to 70°C max for AdBlue® liquid  
• Working pressure: 5 to 7 bar | Other Applications | A30 |
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<th>Name</th>
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<td>For 2-Button QC</td>
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<td>A10</td>
<td>Plug</td>
<td>For Double lock</td>
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<tr>
<td>A24</td>
<td>Plug</td>
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<tr>
<td>A25</td>
<td>End piece</td>
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<tr>
<td>A29</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
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<td>A31</td>
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<td>New tool required NT80, NT81</td>
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<tr>
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<td>For 2-Button QC</td>
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<tr>
<td>A27</td>
<td>Protection cap</td>
<td>For fir tree PA 3.35x4.5</td>
</tr>
</tbody>
</table>

Rubber 5.5
NT80, NT81
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure 5 to 7 bar

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<thead>
<tr>
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<th>Fuel system (Liquid)</th>
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<th>Pressure Range</th>
<th>Temperature Range</th>
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<td>PA 6.0x8.0</td>
<td>NT65, NT71</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>B155</td>
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<td>PA 4.5x6.0</td>
<td>NT65, NT71</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<td>B92</td>
<td>1-Button QC - RW 0°</td>
<td>PA 2.5x5.0</td>
<td>NT65, NT71</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>B1</td>
<td>2-Button QC</td>
<td>PA 3.35x4.5</td>
<td>NT65, NT71</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<td>B2</td>
<td>2-Button QC</td>
<td>PA 4.5x6.0</td>
<td>NT65, NT71</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<td>2-Button QC</td>
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<td>NT65, NT71</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<td>B5</td>
<td>2-Button QC</td>
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<td>NT65, NT71</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>B5A</td>
<td>2-Button QC - Pressure regulator</td>
<td>PA 4.5x6.0</td>
<td>NT65, NT71</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<td>B6</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0</td>
<td>NT65, NT71</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>Part Number</td>
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<td>Pressure</td>
<td>Temperature</td>
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<tr>
<td>B9A</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
<td>PA 6.0x8.0, NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<tr>
<td>B63</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
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<td>2-Button QC</td>
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<td>B8</td>
<td>2-Button QC</td>
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<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<td>B94</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
<td>PA 6.0x8.0, NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<tr>
<td>B144</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
<td>PA 6.0x8.0, NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<td>B142</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
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<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<td>B96</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
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<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<td>B12A</td>
<td>2-Button QC</td>
<td>Fuel system (Liquid)</td>
<td>PA 6.0x8.0, NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: 0°C to 120°C in continuous</td>
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<tr>
<td>Model</td>
<td>Fuel System</td>
<td>Description</td>
<td>Working Pressure</td>
<td>Temperature Range</td>
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<td>B145</td>
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<td>2-Button QC - One way valve</td>
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<td>Working pressure: 5 to 7 bar, T°: -30°C to 120°C in continuous</td>
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<td>B10</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - T shape</td>
<td>PA 6.0x8.0 NT65, NT71</td>
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<td>B11</td>
<td>Fuel System (Liquid)</td>
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<td>B156</td>
<td>Fuel System (Liquid)</td>
<td>End piece</td>
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<td>B158</td>
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<td>End piece - friction welding</td>
<td>PA 6.0x8.0</td>
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<tr>
<td>B12</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - T shape</td>
<td>PA 6.0x8.0, 7.89 end piece NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: -30°C to 120°C in continuous</td>
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<td>B111</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - T shape</td>
<td>PA 6.0x8.0, 8.0 end piece NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: -30°C to 120°C in continuous</td>
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<td>B38A</td>
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<td>2-Button QC - T shape</td>
<td>PA 6.0x8.0, 8.0 end piece NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: -30°C to 120°C in continuous</td>
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<tr>
<td>B13</td>
<td>Fuel System (Liquid)</td>
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<td>PA 6.0x8.0 or 5/16” NT65, NT71</td>
<td>Working pressure: 5 to 7 bar, T°: -30°C to 120°C in continuous</td>
</tr>
</tbody>
</table>

Additional Notes:
- B12: Other Applications
- B145: New tool required
### Fuel system (Liquid)

**B21**
- 2-Button QC
- **Straight**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B22**
- 2-Button QC
- **65°**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B24**
- 2-Button QC - Shut off valve
- **Straight**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B9**
- 2-Button QC
- **65°**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B99**
- 2-Button QC
- **65°**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B15**
- 2-Button QC - RW 90°
- **Straight**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B14**
- 2-Button QC
- **90°**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B22A**
- 2-Button QC
- **45°**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**B105**
- OTHER APPLICATIONS

**B107**
- OTHER APPLICATIONS

**B21A**
- OTHER APPLICATIONS

**B165**
- OTHER APPLICATIONS

**B81**
- OTHER APPLICATIONS

**B106**
- OTHER APPLICATIONS

**B115**
- OTHER APPLICATIONS

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Fuel system (Liquid)

B25
2-Button QC - Schrader® valve

90°
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B23
2-Button QC - T shape

3 ways
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B53
1-Button QC - RW 0°

Straight
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B84
1-Button QC - RW 0°

45°
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B55
1-Button QC - RW 0°

65°
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 3 to 7 bar
- T°: -30°C to 120°C in continuous

B54
1-Button QC - RW 0°

90°
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B135
RayLOCK® QC - RW 0°

Straight
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B164
RayLOCK® QC - RW 0° - Schrader® valve

Straight
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B154
RayLOCK® QC - RW 90°

65°
PA 6.0x8.0 or 5/16”
NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

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<table>
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<th>Description</th>
<th>Pressure Range</th>
<th>Temperature Range</th>
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<tbody>
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<td>RayLOCK® QC - RW 0°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B160</td>
<td>RayLOCK® QC - RW 270°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B147</td>
<td>RayLOCK® QC - RW 90° - Schrader® valve</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B134</td>
<td>P2L® QC - RW 0°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B133</td>
<td>P2L® QC - RW 270°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B174</td>
<td>Metal P2L® QC</td>
<td>0 to 10 bar</td>
<td>-40°C to 125°C</td>
</tr>
<tr>
<td>B178</td>
<td>Selfy® QC</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B176</td>
<td>Click P2L®</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>B175</td>
<td>Click P2L®</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>Code</td>
<td>Fuel system (Liquid)</td>
<td>Description</td>
<td>Image</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
<td>-------------</td>
<td>-------</td>
</tr>
<tr>
<td>B152</td>
<td>End piece</td>
<td>Straight</td>
<td>PA 6.0x8.0 or 5/16&quot;&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B169</td>
<td>2-Button QC - T shape</td>
<td>3 ways</td>
<td>PA 6.0x8.0 or 5/16&quot;, Rubber 7.5&lt;br&gt;NT65, NT71&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B100</td>
<td>2-Button QC - T shape</td>
<td>3 ways</td>
<td>PA 6.0x8.0 or 5/16&quot;, 7.89 end piece&lt;br&gt;NT65, NT71&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B161</td>
<td>End piece - with anti twist system for double lock</td>
<td>Straight</td>
<td>PA 6.0x8.0 or 5/16&quot;&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B70</td>
<td>2-Button QC - T shape</td>
<td>3 ways</td>
<td>PA 6.0x8.0 or 5/16&quot;, 7.89 end piece&lt;br&gt;NT65, NT71&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B71</td>
<td>2-Button QC - T shape</td>
<td>3 ways</td>
<td>PA 6.0x8.0 or 5/16&quot;, 7.89 end piece&lt;br&gt;NT65, NT71&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B126</td>
<td>End piece - To clip</td>
<td>90°</td>
<td>PA 6.0x8.0 or 5/16&quot;&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B126</td>
<td>End piece - To clip</td>
<td>90°</td>
<td>PA 6.0x8.0 or 5/16&quot;&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B112</td>
<td>2-Button QC - RW 90° - T shape</td>
<td>3 ways</td>
<td>PA 6.0x8.0 or 5/16&quot;, 7.89 end piece&lt;br&gt;NT65, NT71&lt;br&gt;- Working pressure: 5 to 7 bar&lt;br&gt;- T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>B172</td>
<td>Metal P2L® QC</td>
<td>90°</td>
<td>PDFE Hose Ø7.94-5/16&quot;&lt;br&gt;NT65, NT71&lt;br&gt;- Operating Pressure Range: 0 to 10 bar&lt;br&gt;- T°: -40°C to 125°C in continuous</td>
</tr>
</tbody>
</table>
Fuel system (Liquid)

B16 2-Button QC
Straight
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B25A 2-Button QC
Straight
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B157 2-Button QC
45°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B137 2-Button QC
65°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

OTHER APPLICATIONS B132

B146 2-Button QC
65°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B17 2-Button QC
90°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B25B 2-Button QC
90°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B85 2-Button QC-Tap
90°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

B18 2-Button QC-Calibrated valve
90°
- PA 8.0x10.0 or 3/8” NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Fuel System (Liquid)</th>
<th>End Piece</th>
<th>Working Pressure</th>
<th>Temperature</th>
</tr>
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<tbody>
<tr>
<td>B113</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>2-Button QC - T shape</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B128</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>P2L® QC - RW 0°</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B137</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>End piece - T shape</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B151</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>1-Button QC - RW 0°</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B143</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>RayLOCK® QC - RW 0°</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B162</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>P2L® QC - RW 0°</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B163</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>P2L® QC - RW 270°</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
<td>5 to 7 bar</td>
</tr>
<tr>
<td>B168</td>
<td>Fuel system</td>
<td>Liquid</td>
<td>End piece - T shape</td>
<td>PA 9.0x12.0</td>
<td>5 to 7 bar</td>
</tr>
</tbody>
</table>
**B19**  
2-Button QC  
Straight  
PA 10.0x12.0  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B26**  
2-Button QC  
Straight  
PA 10.0x12.0  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B27**  
1-Button QC - RW 0°  
90°  
PA 10.0x12.0  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B28**  
2-Button QC  
Straight  
Rubber 7.3  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B166**  
2-Button QC  
45°  
Rubber 7.3  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B29**  
2-Button QC  
90°  
Rubber 7.3  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B30**  
1-Button QC - RW 0°  
Straight  
Rubber 7.5  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B56**  
1-Button QC - RW 0°  
65°  
Rubber 7.5  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**B31**  
1-Button QC - RW 0°  
90°  
Rubber 7.5  
NT65, NT71  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous
7.89 - 5/16”

**B127** Fuel system (Liquid)
- P2L® QC - RW 0°
- **Straight**
- Rubber 7.5
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B91** Fuel system (Liquid)
- 1-Button QC - RW 0°
- **90°**
- 7.89 end piece
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B60** Fuel System (Vapor)
- 1-Button QC - RW 0° - Single O-Ring - End cap
- **Straight**
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B33** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **Straight**
- PA 6.0x8.0
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B34** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **90°**
- PA 6.0x8.0
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B35** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **Straight**
- PA 6.0x8.0 or 5/16”
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B36** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **90°**
- PA 6.0x8.0 or 5/16”
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B153** Fuel System (Vapor)
- End piece
- **90°**
- PA 6.0x8.0 or 5/16”
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B159** Fuel System (Vapor)
- P2L® QC - RW 270° - T shape
- **3 ways**
- New tool required
- PA 6.0x8.0 or 5/16”, 7.89 end piece
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B91** Fuel system (Liquid)
- 1-Button QC - RW 0°
- **90°**
- 7.89 end piece
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B117** Other applications
- **Straight**
- PA 6.0x8.0 or 5/16”
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B127** Fuel system (Liquid)
- P2L® QC - RW 0°
- **Straight**
- Rubber 7.5
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B91** Fuel system (Liquid)
- 1-Button QC - RW 0°
- **90°**
- 7.89 end piece
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B60** Fuel System (Vapor)
- 1-Button QC - RW 0° - Single O-Ring - End cap
- **Straight**
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B33** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **Straight**
- PA 6.0x8.0
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B34** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **90°**
- PA 6.0x8.0
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B35** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **Straight**
- PA 6.0x8.0 or 5/16”
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B36** Fuel System (Vapor)
- 2-Button QC - Single O-Ring
- **90°**
- PA 6.0x8.0 or 5/16”
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**B117** Other applications
- **Straight**
- PA 6.0x8.0 or 5/16”
- NT65, NT71
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous
Brake Booster Vacuum
PA 6.0x8.0 or 5/16''
NT210
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

B37A 2-Button QC - RW 90°
Straight
Rubber 7.3
NT65, NT71
• T°: -30 to 130°C in continuous
• Relative Pressure: 0 to 10 bars

B165 2-Button QC
65°
PA 6.0x8.0
NT65, NT71
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

Other applications
B86
B99

Clutch System
B141 2-Button QC

Other applications
B6 B72

Transmission Oil Cooling (TOC)
B39 2-Button QC
Straight
Rubber 7.3
NT65, NT71
• T°: -30 to 130°C in continuous
• Relative Pressure: 0 to 10 bars

Other applications
B52
B37A 2-Button QC - RW 90°

Brake Booster Vacuum
B37 1-Button QC - RW 0° - With Spring off element
Straight
PA 6.0x8.0 or 5/16''
NT210
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

B38 1-Button QC - RW 180° - With Spring off element
65°
PA 6.0x8.0 or 5/16''
NT210
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

B177 Fuel System (Vapor)
B141 Clutch System
B39 Transmission Oil Cooling (TOC)

Other applications
B86
B99

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SAE
### Thermal Management System

#### B132 Brake Booster Vacuum
2-Button QC

- **Angle:** 65°
- **Material:** PA 8.0x10.0 or 3/8" NT65, NT71
- **Applications:** B137

#### B173 Thermal Management System
Metal P2L® QC

- **Angle:** 90°
- **Material:** PDFE hose Ø7.94-5/16" NT65, NT71
- **Applications:** B173

#### B40 Thermal Management System
2-Button QC-Single O-Ring

- **Angle:** Straight
- **Material:** PA 6.0x8.0 NT65, NT71
- **Applications:** B40

#### B82 Hydraulic Brake
2-Button QC

- **Angle:** 30°
- **Material:** PA 6.0x8.0 NT65, NT71
- **Applications:** B82

#### B81 Hydraulic Brake
2-Button QC

- **Angle:** 45°
- **Material:** PA 6.0x8.0 or 5/16" NT65, NT71
- **Applications:** B81

#### B86 Thermal Management System
2-Button QC - RW 90°

- **Angle:** 90°
- **Material:** Rubber 7.3 NT65, NT71
- **Applications:** B86
<table>
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<th>Type</th>
<th>Description</th>
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<th>Temperature Range</th>
<th>Pressure Range</th>
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<tr>
<td>B97</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 3.35x4.5 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>B98</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 3.35x4.5 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>B114</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>B93</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 4.5x6.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>B73</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>B104</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>B108</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>B74</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>B114</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>B93</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>B73</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>B104</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>B108</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>B74</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT65, NT71</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>T°: -40°C to 70°C max for AdBlue® liquid</td>
<td>Working pressure: 5 to 7 bar</td>
</tr>
</tbody>
</table>

ARaymond Automotive - More than Fastening
B105  Urea SCR system
2-Button QC

Straight
PA 6.0x8.0 or 5/16" NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

OTHER APPLICATIONS B21

B107  Urea SCR system
2-Button QC

45°
PA 6.0x8.0 or 5/16" NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

OTHER APPLICATIONS B22

B106  Urea SCR system
2-Button QC

90°
PA 6.0x8.0 or 5/16" NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

OTHER APPLICATIONS B22

B115  Urea SCR system
2-Button QC - RW 90°

90°
PA 6.0x8.0 or 5/16" NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

OTHER APPLICATIONS B64

B124  Urea SCR system
2-Button QC

Straight
Rubber 4.0 NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

OTHER APPLICATIONS B64

B125  Urea SCR system
2-Button QC

90°
Rubber 4.0 NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

OTHER APPLICATIONS B22

B75  Urea SCR system
1-Button QC - RW 0°

Straight
Rubber 5.5 NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

B77  Urea SCR system
1-Button QC - RW 0°

65°
Rubber 5.5 NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

B76  Urea SCR system
1-Button QC

90°
Rubber 5.5 NT65, NT71
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

www.araymond-automotive.com
Various applications
PA 6.0x8.0 or 5/16”
End piece - Big shoulder
Straight

Various applications
PA 6.0x8.0 or 5/16”
End piece - QC with Spring off element
Straight

Various applications
PA 6.0x8.0 or 5/16”
End piece - 1-Button QC - RW 0°

Rubber 7.5
NT65, NT71

• Ambient T°: -40°C to 120°C
• T°: -40°C to 70°C max for AdBlue® liquid
• Working pressure: 5 to 7 bar

OTHER APPLICATIONS
B78

Rubber 7.5
NT65, NT71

• Ambient T°: -40°C to 120°C
• T°: -40°C to 70°C max for AdBlue® liquid
• Working pressure: 5 to 7 bar

OTHER APPLICATIONS
B80

Rubber 7.5
NT65, NT71

• Ambient T°: -40°C to 120°C
• T°: -40°C to 70°C max for AdBlue® liquid
• Working pressure: 5 to 7 bar

OTHER APPLICATIONS
B79

PA 2.5x5.0

B123
End piece

B122
End piece

PA 2.5x5.0

B48A
End piece- QC with Spring off element

B46
End piece

PA 4.0x6.0 or 1/4”

B50
End piece- Big shoulder

PA 6.0x8.0 or 5/16”

B69
End piece

PA 6.0x8.0 or 5/16”

www.araymond-automotive.com
B121  Various applications
End piece - Small shoulder

B51  Various applications
End piece - Special big shoulder

B129  Various applications
End piece

B150  Various applications
End piece

B119  Various applications
End piece - T shape

B83  Various applications
End piece - Big shoulder

B139  Various applications
End piece - T shape

B120  Various applications
End piece

B49  Various applications
End piece - Big shoulder

www.araymond-automotive.com
<table>
<thead>
<tr>
<th>B61</th>
<th>Various applications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Protection cap - For 1-Button QC</td>
</tr>
</tbody>
</table>

Straight
**Fuel System (Liquid)**

**E1**
- 2-Button QC
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**
- **E2**
- 2-Button QC
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**
- **E30**
- 2-Button QC
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**

**E53**
- 2-Button QC - RW 90°
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**

**E2**
- 2-Button QC
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**
- **E30**
- 2-Button QC
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**

**E70**
- 2L® QC - RW 0°
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**

**E74**
- 2L® QC - RW 270°
- **PA 6.0x8.0 or 5/16” NT131, NT132**
- **OTHER APPLICATIONS**

**Specifications**
- **Working pressure:** 5 to 7 bar
- **T°:** -30°C to 120°C in continuous
Fuel System (Liquid)

E3  
2-Button QC

Straight
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E9  
2-Button QC

Straight
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E5  
2-Button QC - RW 90°

45°
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E4  
2-Button QC

90°
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E10  
2-Button QC

90°  
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E78  
2-Button QC - RW 90°

90°  
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E61  
RayLOCK® QC - RW 0°

Straight
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E62  
RayLOCK® QC - RW 0°

90°
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

E50  
’P2L® QC - RW 0°

Straight
PA 8.0x10.0 or 3/8”
NT131, NT132
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

E49
<table>
<thead>
<tr>
<th>Model</th>
<th>Fuel System (Liquid)</th>
<th>Description</th>
<th>Working Pressure</th>
<th>Temperature Range</th>
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<tbody>
<tr>
<td>E59</td>
<td>P2L® QC - RW 0°</td>
<td>Straight</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<td>E65</td>
<td>P2L® QC - RW 0°</td>
<td>Straight</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>E87</td>
<td>P2L® QC - RW 270°</td>
<td>45°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>E51</td>
<td>P2L® QC - RW 270°</td>
<td>90°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>E60</td>
<td>P2L® QC - RW 270°</td>
<td>90°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>E88</td>
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<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>E95</td>
<td>Click P2L®</td>
<td>Straight</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>E94</td>
<td>Click P2L®</td>
<td>90°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<td>E63</td>
<td>2-Button QC</td>
<td>Straight</td>
<td>5 to 7 bar</td>
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<td>E38</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
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<tr>
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<tr>
<td>90°</td>
<td>PA 10.0x12.0</td>
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<tr>
<td></td>
<td>NT131, NT132</td>
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<td>Working pressure: 5 to 7 bar</td>
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<tr>
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<td>T°: -30°C to 120°C in continuous</td>
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OTHER APPLICATIONS E72, E73

<table>
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<tr>
<th>E31</th>
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<td>Working pressure: 5 to 7 bar</td>
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<td>Working pressure: 5 to 7 bar</td>
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<td>Working pressure: 5 to 7 bar</td>
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<td>Working pressure: 5 to 7 bar</td>
<td></td>
</tr>
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<td>Rubber 7.5</td>
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<tr>
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<td>NT131, NT132</td>
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<tr>
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<td>Working pressure: 5 to 7 bar</td>
<td></td>
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OTHER APPLICATIONS E26

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<td>NT131, NT132</td>
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<td></td>
<td>Working pressure: 5 to 7 bar</td>
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OTHER APPLICATIONS E27

<table>
<thead>
<tr>
<th>E21</th>
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<tbody>
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<td>NT131, NT132</td>
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<td>Working pressure: 5 to 7 bar</td>
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<tr>
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<th>Fuel System (Liquid)</th>
<th>RayLOCK® QC - RW 0°</th>
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<tr>
<td>Straight</td>
<td>Rubber 7.5</td>
<td>NT131, NT132</td>
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<td>T°: -30°C to 120°C in continuous</td>
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</tbody>
</table>

OTHER APPLICATIONS E7 | E28 | E74

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Fuel System (Liquid)

**E71**  Fuel System (Liquid)

End piece

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E40**  Fuel System (Liquid)

2-Button QC

- Operating Pressure Range: 0 to 10 bar
- T°: -30°C to 120°C in continuous

**E90**  Fuel System (Liquid)

Metal P2L® QC

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E91**  Fuel System (Liquid)

Metal P2L® QC

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E84**  Fuel System (Liquid)

Metal P2L® QC - Metal

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E92**  Fuel System (Liquid)

Metal P2L® QC

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E85**  Fuel System (Liquid)

Metal P2L® QC - RW 180° - Metal

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E89**  Fuel System (Liquid)

Metal P2L® QC

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E81**  Fuel System (Liquid)

Metal P2L® QC - RW 235° - Metal

- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

**E37**  OTHER APPLICATIONS

2-Button QC

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E71**  OTHER APPLICATIONS

End piece

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E71**  OTHER APPLICATIONS

End piece

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E37**  OTHER APPLICATIONS

2-Button QC

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E37**  OTHER APPLICATIONS

2-Button QC

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E37**  OTHER APPLICATIONS

2-Button QC

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E37**  OTHER APPLICATIONS

2-Button QC

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**E37**  OTHER APPLICATIONS

2-Button QC

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

www.araymond-automotive.com
**Thermal Management System**

**Rubber 9.5**

**OTHER APPLICATIONS**

- **E83**
  - **Brake Booster Vacuum**
  - **2-Button QC - Straight**
  - **Rubber 9.5**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

- **E72**
  - **Thermal Management System**
  - **2-Button QC - 90°**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

- **E79**
  - **Thermal Management System**
  - **2-Button QC - RW 90°**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E77**
  - **Fuel System (Vapor)**
  - **2-Button QC - Single O-Ring**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -40°C to 120°C in continuous

- **E75**
  - **Fuel System (Vapor)**
  - **P2L® QC - RW 90°**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E82**
  - **Brake Booster Vacuum**
  - **2-Button QC - Reduced orifice 1 hole**
  - **PA 5.0x9.0, PA 8.0x10.0 or 3/8” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E76**
  - **Brake Booster Vacuum**
  - **2-Button QC - RW 90°**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E73**
  - **Brake Booster Vacuum**
  - **2-Button QC**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E79**
  - **P2L® QC - RW 90°**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E82**
  - **2-Button QC - Reduced orifice 1 hole**
  - **PA 5.0x9.0, PA 8.0x10.0 or 3/8” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E73**
  - **2-Button QC**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E79**
  - **2-Button QC - Single O-Ring**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E83**
  - **2-Button QC - Straight**
  - **Rubber 9.5**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

- **E79**
  - **2-Button QC - RW 90°**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E83**
  - **2-Button QC - Straight**
  - **Rubber 9.5**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

- **E72**
  - **2-Button QC - 90°**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

- **E79**
  - **2-Button QC - RW 90°**
  - **PA 6.0x8.0 or 5/16” NT131, NT132**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **E83**
  - **2-Button QC - Straight**
  - **Rubber 9.5**
  - **PA 10.0x12.0, NT131, NT132**
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

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**Urea SCR system**

- **Rubber 3.2**
  - NT131, NT132
  - 2-Button QC
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

**E57**

- **Straight**
  - Rubber 3.2
  - NT131, NT132
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

- **PA 6.0x8.0 or 5/16”**
  - NT131, NT132
  - Working pressure: 5 to 7 bar

**E37**

- **E93**
  - Thermal Management System
  - 2-Button QC
  - PTFE Hose 9.5 - 3/8”
  - NT131, NT132
  - Working pressure: 0.5 to 2 bars
  - $T^\circ$: -40°C to 70°C in continuous

**E42**

- **Straight**
  - PA 3.35x4.5
  - NT131, NT132
  - Working pressure: 5 to 7 bar

**E49**

- **E58**
  - Urea SCR system
  - 2-Button QC
  - Rubber 3.2
  - NT131, NT132
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

**E43**

- **E29**
  - Urea SCR system
  - 2-Button QC
  - PA 3.35x4.5
  - NT131, NT132
  - Working pressure: 5 to 7 bar

- **E30**
  - Urea SCR system
  - 2-Button QC
  - PA 6.0x8.0 or 5/16”
  - NT131, NT132
  - Working pressure: 5 to 7 bar

**E40**

- **90°**
  - Rubber 9.5
  - NT131, NT132
  - 2-Button QC
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

**E93**

- **Metal P2L® QC**
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

- **OTHER APPLICATIONS**
  - E40
  - E6
  - E7

**E93**

- **Thermal Management System**
  - 2-Button QC
  - PTFE Hose 9.53 - 3/8”
  - NT131, NT132
  - Working pressure: 0.5 to 2 bars
  - $T^\circ$: -40°C to 120°C in continuous

- **OTHER APPLICATIONS**
  - E37
  - E43

**E93**

- **90°**
  - Rubber 9.5
  - NT131, NT132
  - 2-Button QC
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

- **OTHER APPLICATIONS**
  - E93

**E93**

- **90°**
  - Rubber 9.5
  - NT131, NT132
  - 2-Button QC
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

- **OTHER APPLICATIONS**
  - E93

- **90°**
  - Rubber 3.2
  - NT131, NT132
  - 2-Button QC
  - Ambient $T^\circ$: -40°C to 120°C
  - $T^\circ$: -40°C to 70°C max for AdBlue® liquid
  - Working pressure: 5 to 7 bar

- **OTHER APPLICATIONS**
  - E93
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Application Type</th>
<th>Dimensions</th>
<th>Materials</th>
<th>Temperature Range</th>
<th>Pressure Range</th>
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</thead>
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<td>Urea SCR system</td>
<td>Straight</td>
<td>Rubber 5.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>E25</td>
<td>Urea SCR system</td>
<td>65°</td>
<td>Rubber 5.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>E24</td>
<td>Urea SCR system</td>
<td>90°</td>
<td>Rubber 5.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>E26</td>
<td>Urea SCR system</td>
<td>Straight</td>
<td>Rubber 7.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>E28</td>
<td>Urea SCR system</td>
<td>65°</td>
<td>Rubber 7.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>E27</td>
<td>Urea SCR system</td>
<td>90°</td>
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<tr>
<td>E20</td>
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<td>Straight</td>
<td>Rubber 5.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>E24</td>
<td>Urea SCR system</td>
<td>90°</td>
<td>Rubber 5.5 NT131, NT132</td>
<td>Ambient T°: -40°C to 120°C</td>
<td>Working pressure: 5 to 7 bar</td>
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<tr>
<td>E69</td>
<td>Various applications</td>
<td>End piece- Long version</td>
<td>PA 8.0x10.0 or 3/8”</td>
<td>Straight</td>
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</tbody>
</table>
E34 Various applications
End piece - Big shoulder

E11 Various applications
Assembly check

E19 Various applications
Assembly check - Pull Tab

E12 Various applications
Plug

E41 Various applications
Protection cap - For End piece

E13 Various applications
Protection cap - For 2-Button QC

E16 Various applications
Double lock - For 2-Button QC

E68 Various applications
Double lock - For 2-Button QC
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fuel System (Liquid)</th>
<th>Description</th>
<th>Pressure</th>
<th>Temperature</th>
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</thead>
<tbody>
<tr>
<td>F58</td>
<td>2-Button QC - End cap</td>
<td>PA 6.0x8.0 or 5/16” NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F52</td>
<td>2-Button QC - Cartridge</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<td>F1</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F2</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F90</td>
<td>1-Button QC - RW 0°</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>F71</td>
<td>2-Button QC - Calibrated valve</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F58</td>
<td>2-Button QC - Cartridge</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F36</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>F49</td>
<td>2-Button QC</td>
<td>PA 6.0x8.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
</tr>
</tbody>
</table>

OTHER APPLICATIONS:
F89
F58
F71
F89
<table>
<thead>
<tr>
<th>Model</th>
<th>Application</th>
<th>Description</th>
<th>Material</th>
<th>Pressure</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>F53</td>
<td>Fuel System (Liquid)</td>
<td>RayLOCK® QC - RW 0°</td>
<td>PA 6.0x8.0 or 5/16&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
<tr>
<td>F93</td>
<td>Fuel System (Liquid)</td>
<td>End piece - T shape - Reinforced with metal insert</td>
<td>PA 6.0x8.0, PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>70°C to 90°C in continuous</td>
</tr>
<tr>
<td>F3</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
<tr>
<td>F50</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
<tr>
<td>F35</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
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<tr>
<td>F75</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
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<tr>
<td>F64</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
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<tr>
<td>F39</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
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<tr>
<td>F40</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - Long version</td>
<td>PA 8.0x10.0 or 3/8&quot; NT183</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
</tbody>
</table>

OTHER APPLICATIONS:
- 6° (F53)
- 3 ways (F93)
- Straight (F3, F50, F75)
- 55° (F64, F39, F40)

Additional Notes:
- Pression: max 8 bar
- T°: 70°C to 90°C in continuous
- T°: -30°C to 120°C in continuous
- T°: 70°C to 90°C in continuous
- T°: 70°C to 90°C in continuous
- T°: 70°C to 90°C in continuous
- T°: 70°C to 90°C in continuous
- New tool required

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<table>
<thead>
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<th>Type</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>F4</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
</tr>
<tr>
<td>F41</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
</tr>
<tr>
<td>F66</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - Friction welding</td>
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<tr>
<td>F74</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - Friction welding</td>
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<tr>
<td>F79</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - T shape</td>
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<tr>
<td>F80</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - T shape</td>
</tr>
<tr>
<td>F91</td>
<td>Fuel System (Liquid)</td>
<td>90°</td>
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<tr>
<td>F96</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC - Schrader® valve</td>
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<tr>
<td>F11</td>
<td>Fuel System (Liquid)</td>
<td>1-Button QC - RW 0°</td>
</tr>
<tr>
<td>F12</td>
<td>Fuel System (Liquid)</td>
<td>1-Button QC - RW 0°</td>
</tr>
</tbody>
</table>

**Standards:**
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**Other Applications:**
- PA 8.0x10.0 or 3/8'' NT183
- Rubber 9.3
- New tool required

**Dimensions:**
- PA 8.0x10.0 or 3/8''
- NT183
- Rubber 9.3

**URL:**
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<th>Description</th>
<th>Working Pressure</th>
<th>T°</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>F42</td>
<td>1-Button QC - RW 0°</td>
<td>3 ways</td>
<td>PA 8.0x10.0 or 3/8” NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F55</td>
<td>RayLOCK® QC - RW 0°</td>
<td>Straight</td>
<td>PA 8.0x10.0 or 3/8” NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<td>RayLOCK® QC - RW 0°</td>
<td>Straight</td>
<td>PA 8.0x10.0 or 3/8” NT183</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<td>F61</td>
<td>RayLOCK® QC - RW 0°</td>
<td>90°</td>
<td>PA 8.0x10.0 or 3/8” NT183</td>
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<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F73</td>
<td>End piece</td>
<td>Straight</td>
<td>PA 8.0x10.0 or 3/8” NT183</td>
<td>Working pressure: 5 to 7 bar</td>
<td>T°: -30°C to 120°C in continuous</td>
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<tr>
<td>F29</td>
<td>2-Button QC</td>
<td>Straight</td>
<td>PA 9.0x12.0 NT183</td>
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<td>F31</td>
<td>2-Button QC</td>
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<td>PA 9.0x12.0 NT183</td>
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<td>F30</td>
<td>2-Button QC</td>
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<td>PA 9.0x12.0 NT183</td>
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<td>F72</td>
<td>2-Button QC - Pressure regulator</td>
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<td>PA 9.0x12.0 NT183</td>
<td>Working pressure: 5 to 7 bar</td>
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<td>Part No.</td>
<td>Description</td>
<td>Fuel System (Liquid)</td>
<td>Pressure (bar)</td>
<td>Temperature (°C)</td>
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<td>F70</td>
<td>2-Button QC - Pressure regulator</td>
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<td>5-7</td>
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<td>F95</td>
<td>2-Button QC</td>
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<td>F14</td>
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<td>-30°C to 120°C</td>
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<tr>
<td>F86</td>
<td>End piece</td>
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<td>F26</td>
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<td>Rubber 7.5 NT183</td>
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<tr>
<td>F63</td>
<td>1-Button QC - RW 0° - Shut off valve</td>
<td>Rubber 7.5 NT183</td>
<td>5-7</td>
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<tr>
<td>Model</td>
<td>Fuel System</td>
<td>Application</td>
<td>Description</td>
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<tr>
<td>F57</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
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<tr>
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<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>Rubber 9.5 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image2.png" alt="Image" /></td>
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<tr>
<td>F92</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image3.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>F23</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image4.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>Fuel System (Liquid)</td>
<td>1-Button QC - RW 0°</td>
<td>Rubber 9.5 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image5.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>F8</td>
<td>Fuel System (Liquid)</td>
<td>1-Button QC - RW 0°</td>
<td>Rubber 9.5 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image6.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>F16</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC - Single O-Ring</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image7.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>F71</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image8.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image9.png" alt="Image" /></td>
<td></td>
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<tr>
<td>F57</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC</td>
<td>Rubber 9.3 NT183 • Working pressure: 5 to 7 bar • T°: -30°C to 120°C in continuous</td>
<td><img src="image10.png" alt="Image" /></td>
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<tr>
<td>Model</td>
<td>Description</td>
<td>Material</td>
<td>Temperature</td>
<td>Pressure</td>
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<tr>
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<tr>
<td>F81</td>
<td>Crankcase Breather 2-Button QC</td>
<td>PA 9.0x12.0, NT183</td>
<td>-40°C to 120°C</td>
<td>0.5 to 2 bars</td>
<td></td>
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<tr>
<td>F82</td>
<td>Crankcase Breather 2-Button QC</td>
<td>PA 9.0x12.0, NT183</td>
<td>-40°C to 120°C in continuous</td>
<td>5 to 7 bar</td>
<td></td>
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<tr>
<td>F83</td>
<td>Crankcase Breather 1-Button QC - RW 0°</td>
<td>Rubber 9.5, NT183</td>
<td>-30°C to 120°C in continuous</td>
<td>0.5 to 1 bar</td>
<td></td>
</tr>
<tr>
<td>F33</td>
<td>Brake Booster Vacuum 2-Button QC - T shape</td>
<td>PA 6.0x8.0, Rubber 3.0, NT183</td>
<td>-40°C to 120°C in continuous</td>
<td>5 to 7 bar</td>
<td></td>
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<tr>
<td>F27</td>
<td>Brake Booster Vacuum 2-Button QC - With Protection cap</td>
<td>PA 6.0x8.0, Rubber 3.0, NT183</td>
<td>-40°C to 120°C in continuous</td>
<td>5 to 7 bar</td>
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<tr>
<td>F77</td>
<td>Thermal Management System 1-Button QC - RW 0°</td>
<td>Rubber 6.0, NT183</td>
<td>-40°C to 120°C in continuous</td>
<td>5 to 7 bar</td>
<td></td>
</tr>
<tr>
<td>F84</td>
<td>Thermal Management System 1-Button QC - RW 0°</td>
<td>Rubber 9.5, NT183</td>
<td>-40°C to 120°C in continuous</td>
<td>5 to 7 bar</td>
<td></td>
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<tr>
<td>F89</td>
<td>Urea SCR system 2-Button QC - End cap</td>
<td>Rubber 9.5, NT183</td>
<td>-40°C to 120°C in continuous</td>
<td>5 to 7 bar</td>
<td></td>
</tr>
<tr>
<td>Part Number</td>
<td>Description</td>
<td>Applications</td>
<td>Material</td>
<td>End Type</td>
<td>Temperature</td>
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<tr>
<td>F87</td>
<td>End piece - Big shoulder</td>
<td>Urea SCR system</td>
<td>Rubber 9.5</td>
<td>90°</td>
<td>PA 10.0x12.0 NT183</td>
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<tr>
<td>F85</td>
<td>1-Button QC - RW 0°</td>
<td>Urea SCR system</td>
<td>Rubber 9.5</td>
<td>90°</td>
<td>PA 10.0x12.0 NT183</td>
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<tr>
<td>F76</td>
<td>End piece</td>
<td>Various applications</td>
<td>Rubber 9.5</td>
<td>Straight</td>
<td>PA 6.0x8.0 or 5/16&quot;</td>
</tr>
<tr>
<td>F17</td>
<td>End piece - Big shoulder</td>
<td>Various applications</td>
<td>PA 10.0x12.0</td>
<td>Straight</td>
<td>PA 8.0x10.0 or 3/8&quot;</td>
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<tr>
<td>F60</td>
<td>End piece</td>
<td>Various applications</td>
<td>PA 9.0x12.0</td>
<td>90°</td>
<td>PA 10.0x12.0</td>
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<tr>
<td>F45</td>
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<td>Various applications</td>
<td>PA 10.0x12.0</td>
<td>90°</td>
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<td>F48</td>
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<td>Various applications</td>
<td>Rubber 7.5</td>
<td>90°</td>
<td>Rubber 9.5</td>
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<tr>
<td>F18</td>
<td>End piece - Big shoulder</td>
<td>Various applications</td>
<td>Rubber 9.5</td>
<td>Straight</td>
<td>Rubber 9.5</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Material</td>
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<td>------------------------------</td>
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<td></td>
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<tr>
<td>F46</td>
<td>Various applications End piece</td>
<td>Rubber 11.9</td>
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<tr>
<td>F20</td>
<td>Various applications Protection cap - For 1-Button QC</td>
<td>Rubber 11.9</td>
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</tr>
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</table>
Fuel System (Liquid)

**H50**
- 2-Button QC
- 45°
- PA 6.0x8.0 or 5/16" NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H2**
- 2-Button QC
- 90°
- PA 6.0x8.0 or 5/16" NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H43**
- P2L® QC - RW 270°
- 90°
- PA 6.0x8.0 or 5/16" NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H30**
- 2-Button QC
- Straight
- PA 8.0x10.0 or 3/8" NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H52**
- 2-Button QC
- 90°
- PA 8.0x10.0 or 3/8" NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H60**
- 2-Button QC - Shut off valve
- Straight
- PA 8.0x10.0 or 3/8" NT193, NT221
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H42**
- P2L® QC - RW 270°
- 90°
- PA 8.0x10.0 or 3/8" NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H19**
- 2-Button QC
- Straight
- PA 9.0x12.0 NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H21**
- 2-Button QC
- 45°
- PA 9.0x12.0 NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

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**Fuel System (Liquid)**

**H20**
- **2-Button QC**
- **90°**
- PA 9.0x12.0
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H56**
- **2-Button QC Tap**
- **90°**
- PA 9.0x12.0
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H59**
- **End piece**
- **90°**
- PA 9.0x12.0
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H5**
- **2-Button QC**
- **90°**
- PA 10.0x12.0
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H6**
- **2-Button QC**
- **90°**
- PA 10.0x12.0
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H34**
- **P2L® QC - RW 0°**
- **Straight**
- PA 10.0x12.0
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H35**
- **P2L® QC - RW 270°**
- **90°**
- PA 10.0x12.0
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H44**
- **2-Button QC**
- **90°**
- PA 12.0x14.0 or 1/2"
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**H36**
- **2-Button QC**
- **90°**
- PA 12.0x14.0 or 1/2"
- NT193
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

- **H16**
- **H38**
- **H37**
**Fuel System (Vapor)**

- **H40**
  - **Fuel System (Vapor)**
  - **2-Button QC - Single O-Ring**
  - PA 10.0x12.0 NT193
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **H25**
  - **Fuel System (Vapor)**
  - **2-Button QC - Single O-Ring**
  - PA 10.0x12.0 NT193
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **H39**
  - **Fuel System (Vapor)**
  - **2-Button QC - Single O-Ring**
  - PA 6.0x8.0 NT193
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

**Fuel System (Liquid)**

- **H54**
  - **Fuel System (Liquid)**
  - **2-Button QC**
  - Rubber 8 NT193
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **H29**
  - **Fuel System (Liquid)**
  - **2-Button QC - Shut off valve**
  - Rubber 11.3 NT193, NT221
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

- **H61**
  - **Fuel System (Liquid)**
  - **2-Button QC**
  - Rubber 9.3 NT193, NT221
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 125°C in continuous

- **H62**
  - **Fuel System (Liquid)**
  - **2-Button QC**
  - Rubber 9.3 NT193, NT221
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
**11.80 - 12.00**

**H26**  
Fuel System (Vapor)  
2-Button QC - Single O-Ring  
90°  
PA 10.0x12.0 NT193  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**H28**  
Fuel System (Vapor)  
2-Button QC  
90°  
PA 12.0x14.0 or 1/2” NT193  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**H37**  
Fuel System (Vapor)  
2-Button QC  
90°  
PA 12.0x14.0 or 1/2” NT193  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**H13**  
Fuel System (Vapor)  
2-Button QC - Schrader® valve  
90°  
PA 12.0x14.0 or 1/2” NT193  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**H45**  
Fuel System (Vapor)  
2-Button QC  
Straight  
Rubber 9.5 NT193  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**H8**  
Power Steering  
2-Button QC  
90°  
Rubber 10 - 11 NT193  
- T°: -30°C to 120°C in continuous  
- Pressure: -0.5 to 1 bar

**H22**  
Power Steering  
2-Button QC  
90°  
Rubber 10 - 11 NT193  
- T°: -30°C to 120°C in continuous  
- Pressure: -0.5 to 1 bar

**H38**  
Hydraulic Brake  
2-Button QC  
90°  
PA 12.0x14.0 or 1/2” NT193  
- T°: -40°C to 120°C in continuous  
- Pressure: 3 bars in continuous

**H14**  
HVAC  
2-Button QC - Reinforced with metal insert  
90°  
Rubber 10 NT221  
- T°: -40°C to 125°C in continuous  
- Working pressure: 20 bars

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### H41 - Thermal Management System

#### 2-Button QC - Cartridge

- **Straight**
- NT193
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

### H16 - Thermal Management System

#### 2-Button QC

- **Straight**
- PA 10.0x12.0
- NT193
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

### H46 - Thermal Management System

#### 2-Button QC

- **90°**
- Rubber 8
- NT193
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

### H10 - Various applications

#### End piece - Big shoulder

- **Straight**
- PA 10.0x12.0

### H9 - Various applications

#### Assembly check

### H23 - Various applications

#### Assembly check - Pull Tab

### H32 - Various applications

#### Plug

### H55 - Various applications

#### Protection cap - For End piece

### H31 - Various applications

#### Protection cap - For 2-Button QC

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U10 Fuel System (Liquid)
2-Button QC
Straight
PA 6.0x8.0 NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U11 Fuel System (Liquid)
2-Button QC
Straight
PA 9.0x12.0 NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U12 Fuel System (Liquid)
2-Button QC
45° New tool required
PA 9.0x12.0 NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U6 Fuel System (Liquid)
2-Button QC
Straight
PA 12.0x14.0 or 1/2” NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U7 Fuel System (Liquid)
2-Button QC
Straight
PA 12.0x14.0 or 1/2” NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U8 Fuel System (Liquid)
2-Button QC
90° New tool required
PA 12.0x14.0 or 1/2” NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U15 Fuel System (Liquid)
P2L® QC - RW 0°
Straight
PA 12.0x14.0 or 1/2” NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U16 Fuel System (Liquid)
P2L® QC - RW 270°
90°
PA 12.0x14.0 or 1/2” NT337
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

U13 Fuel System (Liquid)
End piece
90° New tool required
PA 12.0x14.0 or 1/2”
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous
**U9**  Fuel System (Liquid)

<table>
<thead>
<tr>
<th>End piece</th>
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<tbody>
<tr>
<td>Rubber 3.5, 12.61 end piece NT337</td>
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<tr>
<td>- Working pressure: 5 to 7 bar</td>
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<tr>
<td>- T°: -30°C to 120°C in continuous</td>
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**U19**  Fuel System (Liquid)

<table>
<thead>
<tr>
<th>End piece</th>
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<tbody>
<tr>
<td>Straight</td>
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<tr>
<td>• Working pressure: 5 to 7 bar</td>
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<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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**U3**  Fuel System (Vapor)

<table>
<thead>
<tr>
<th>2-Button QC - Single O-Ring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight</td>
</tr>
<tr>
<td>• Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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</table>

**U18**  Urea SCR system

<table>
<thead>
<tr>
<th>End piece</th>
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</thead>
<tbody>
<tr>
<td>Straight</td>
</tr>
<tr>
<td>• Working pressure: 5 to 7 bar</td>
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**U14**  Various applications

<table>
<thead>
<tr>
<th>Plug</th>
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**U9**  Fuel System (Liquid)

<table>
<thead>
<tr>
<th>End piece</th>
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<tbody>
<tr>
<td>Rubber 3.5, 12.61 end piece NT337</td>
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<tr>
<td>- Working pressure: 5 to 7 bar</td>
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<tr>
<td>- T°: -30°C to 120°C in continuous</td>
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**U19**  Fuel System (Liquid)

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<thead>
<tr>
<th>End piece</th>
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<tbody>
<tr>
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<tr>
<td>• Working pressure: 5 to 7 bar</td>
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<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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**U3**  Fuel System (Vapor)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Straight</td>
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<tr>
<td>• Working pressure: 5 to 7 bar</td>
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<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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**U18**  Urea SCR system

<table>
<thead>
<tr>
<th>End piece</th>
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<tbody>
<tr>
<td>Straight</td>
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<tr>
<td>• Working pressure: 5 to 7 bar</td>
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**U14**  Various applications

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<tr>
<th>Plug</th>
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### Fuel System (Vapor)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Material</th>
<th>Pressure</th>
<th>Temperature</th>
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</thead>
<tbody>
<tr>
<td>NT184</td>
<td>2-Button QC</td>
<td>PA 14.0x16.0 or 5/8”</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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</tbody>
</table>

### Fuel System (Liquid)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Material</th>
<th>Pressure</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC</td>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC - End cap</td>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC - End cap</td>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
</tr>
<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC - RW 0°</td>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC - RW 90°</td>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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**Other Applications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Material</th>
<th>Pressure</th>
<th>Temperature</th>
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<tbody>
<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC - RW 90°</td>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C</td>
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<tr>
<td>PA 14.0x16.0 or 5/8” NT184</td>
<td>2-Button QC - RW 0°</td>
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<td>PA 14.0x16.0 or 5/8” NT184</td>
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<td>2-Button QC - RW 90°</td>
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**End piece**

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**New tool required**

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**60**

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<table>
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<tr>
<th>Part Number</th>
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<th>Fuel System (Vapor)</th>
<th>Working Pressure</th>
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<tbody>
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<td>I40</td>
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<td>2-Button QC - Single O-Ring</td>
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<tr>
<td>I54</td>
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<tr>
<td>I2</td>
<td>2-Button QC - Single O-Ring</td>
<td>PA 16.0x18.0</td>
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<td>P2L QC - RW 0° - Single O-Ring</td>
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<tr>
<td>I13</td>
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<td>I40</td>
<td>2-Button QC</td>
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<tr>
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<tr>
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<td>2-Button QC</td>
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www.araymond-automotive.com
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<tr>
<th>Code</th>
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<tbody>
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<td>I3</td>
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<td></td>
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<tr>
<td></td>
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<td>• Working pressure: 5 to 7 bar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• T°: -30°C to 120°C in continuous</td>
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<tr>
<td>I35</td>
<td>Power Steering</td>
<td>2-Button QC</td>
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<td></td>
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<td>45° PA 14.0x16.0 or 5/8” NT184</td>
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<td>• T°: -30°C to 120°C in continuous</td>
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<td>• Pressure: -0.5 to 1 bar</td>
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<tr>
<td>I15</td>
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<tr>
<td>I56</td>
<td>Transmission Oil Cooling (TOC)</td>
<td>P2L® QC - RW 0°</td>
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<td>• T°: -30°C to 130°C in continuous</td>
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<td>• Relative Pressure: 0 to 10 bars</td>
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<td>Transmission Oil Cooling (TOC)</td>
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<td>• T°: -30°C to 130°C in continuous</td>
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### 15.82 - 5/8”

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<td>- Pressure: 3 bars in continuous</td>
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<td>HVAC</td>
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<td>Rubber 16.0 NT198</td>
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<td>HVAC</td>
<td>2-Button QC - Reinforced with metal insert</td>
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<td>Rubber 14.3 NT184</td>
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<td>- T°: -30°C to 120°C in continuous</td>
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<td>- Pressure: 0.5 to 1 bar</td>
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<tr>
<td>I18</td>
<td>HVAC</td>
<td>2-Button QC - Reinforced with metal insert</td>
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<td>Rubber 14.3 NT184</td>
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<td>- T°: -30°C to 120°C in continuous</td>
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<td>- Pressure: 0.5 to 1 bar</td>
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<td>HVAC</td>
<td>2-Button QC - Reinforced with metal insert</td>
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<td>- Pressure: 0.5 to 1 bar</td>
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<td>- Pressure: 0.5 to 1 bar</td>
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<tr>
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<td>HVAC</td>
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<td>- Pressure: 0.5 to 1 bar</td>
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<td>HVAC</td>
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<tr>
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<td>- Pressure: 0.5 to 1 bar</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>I38</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>PA 14.0x16.0 or 5/8” NT184 • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
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<tr>
<td>I33</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>PA 14.0x16.0 or 5/8” NT184 • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
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<tr>
<td>I58</td>
<td>Thermal Management System</td>
<td>P2L® QC - Temperature sensor</td>
<td>PA 14.0x16.0 or 5/8” NT184 • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>I62</td>
<td>Thermal Management System</td>
<td>Selfy® QC</td>
<td>PA 14.0x16.0 or 5/8” • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
</tr>
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<td>I61</td>
<td>Thermal Management System</td>
<td>Selfy® QC</td>
<td>PA 14.0x16.0 or 5/8” • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
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<td>I59</td>
<td>Thermal Management System</td>
<td>Selfy® QC</td>
<td>PA 14.0x16.0 or 5/8” • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
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<td>I60</td>
<td>Thermal Management System</td>
<td>Selfy® QC - T SHAPE</td>
<td>PA 14.0x16.0 or 5/8” • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>I19</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>Rubber 14.3 NT184 • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
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<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>Rubber 14.3 NT184 • Working pressure: 0.5 to 2 bars • T°: -40°C to 120°C in continuous</td>
</tr>
</tbody>
</table>
15.82 - 5/8"

I48  Thermal Management System
PA 12.0x14.0 or 1/2"
| NT184
| • Working pressure: 0.5 to 2 bars
| • T°: -40°C to 120°C in continuous

I24  Various applications
End piece- Long version
| PA 12.0x14.0 or 1/2"
| NT184
| • Ambient T°: -40°C to 120°C
| • T°: -40°C to 70°C max for AdBlue® liquid
| • Working pressure: 5 to 7 bar

I45  Thermal Management System
2-Button QC- Ball valve
| 3 ways
| 9.89 end piece, VDA NW 12 end piece NT184
| • Working pressure: 0.5 to 2 bars
| • T°: -40°C to 120°C in continuous

I51  Urea SCR system
2-Button QC
| 90°
| Rubber 15.88 - 5/8"
| NT184
| • Working pressure: 0.5 to 2 bars
| • T°: -40°C to 120°C in continuous

I44  Thermal Management System
2-Button QC- Ball valve
| 3 ways
| 9.89 end piece NT184
| • Working pressure: 0.5 to 2 bars
| • T°: -40°C to 120°C in continuous

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NA1  Thermal Management System
2-Button QC - Single O-Ring

Rubber 21.0
NT123
• Working pressure: 0.5 to 2 bars
• T°: -40°C to 120°C in continuous

25.50-1”

XM1  Fuel System (Liquid)
2-Button QC

PA 29.4x32.4
NTJP024
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

XN1  Fuel System (Liquid)
2-Button QC

PA 32.0x34.0
NTJP004, NTJP005
• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

XN2  Urea SCR system
2-Button QC

PA 32.0x35.0
NT429, NTJP004, NTJP005
• Ambient T°: -40°C to 120°C
• T°: -40°C to 70°C max for AdBlue® liquid
• Working pressure: 5 to 7 bar

28.50-11/8”
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Various applications</th>
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<td>BCD5</td>
<td>End piece - Type plug</td>
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<tr>
<td>BCD1</td>
<td>Assembly check</td>
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<tr>
<td>BCD2</td>
<td>Assembly check - Pull Tab</td>
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<td>BCD7</td>
<td>Plug - For Double lock</td>
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<td>BCD3</td>
<td>Double lock - For 2-Button QC</td>
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<td>BCD6</td>
<td>Double lock - For 2-Button QC - Long version</td>
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<td>BCD4</td>
<td>STAR plug</td>
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<td>FG5</td>
<td>Double lock - For 2-Button QC</td>
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<td>FG6</td>
<td>Plug</td>
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New tool required
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<tr>
<td>IJ5</td>
<td>Protection cap - For 2-Button QC</td>
<td>Various applications</td>
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ARaymond fluid connection expertise

Beyond the standard offer: personalized solutions.

For 150 years, the ARaymond Network has developed and enriched its competencies and expertise with you.

Our teams are at your service to propose customized solutions. Our experts and our teams will accompany you from the project definition until the start of production.

They bring all their expertise and their know-how in order to find a solution adapted to your needs.

Don’t hesitate to contact us!

Since the company was founded, over 150 years ago, our development has been shaped by innovations, from the press-stud to plastic injection molding. Today, we spend 6% of our turnover on R&D and we have 10 production sites world-wide. We make it our business to design advanced products to help you boost your productivity.
METRIC
D49  Fuel System (Liquid)  
2-Button QC - End cap  
Straight  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

D20  Fuel System (Liquid)  
2-Button QC  
Straight  
PA 3.35x4.5  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

D21  Fuel System (Liquid)  
2-Button QC  
90°  
PA 3.35x4.5  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

D26  Fuel System (Liquid)  
2-Button QC  
Straight  
PA 4.5x6.0  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous  
OTHER APPLICATIONS  
D46  
90°

D23  Fuel System (Liquid)  
2-Button QC  
90°  
PA 4.5x6.0  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

D2  Fuel System (Liquid)  
2-Button QC  
Straight  
PA 6.0x8.0  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous  
OTHER APPLICATIONS  
D46

D37  Fuel System (Liquid)  
2-Button QC  
30°  
PA 6.0x8.0  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

D38  Fuel System (Liquid)  
2-Button QC  
65°  
PA 6.0x8.0  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

D3  Fuel System (Liquid)  
2-Button QC  
90°  
PA 6.0x8.0  
NT66, NT70  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous
### Fuel System (Liquid)

<table>
<thead>
<tr>
<th>Model</th>
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<th>Working Pressure</th>
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<td><strong>D43</strong></td>
<td>2-Button QC - Friction welding</td>
<td>5 to 7 bar</td>
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<td><strong>D67</strong></td>
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<td><strong>D8</strong></td>
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</tbody>
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**Specifications:**
- **PA 6.0x8.0**
- **NT66, NT70**

**Contact:**
- [www.araymond-automotive.com](http://www.araymond-automotive.com)
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<td>2-Button QC - T shape</td>
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<td>RayLOCK QC - RW 0° 65°</td>
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<td>RayLOCK QC - RW 270° 90°</td>
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<td>Metal P2L QC 90°</td>
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<td>Sefly QC 90°</td>
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<td>Sefly QC 90°</td>
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<td>Working pressure: 5 to 7 bar</td>
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</tbody>
</table>
**D64** Fuel System (Liquid)
- **End piece**
- **Straight**
- PA 6.0x8.0 or 5/16”
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**D69** Fuel System (Liquid)
- **End piece - T shape**
- **3 ways**
- PA 6.0x8.0 or 5/16”
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**D76** Fuel System (Liquid)
- **Metal P2L® QC**
- **90°**
- PA 7.94 or 5/16” NT66, NT70
- Operating Pressure Range: 0 to 10 bar
- T°: -40°C to 125°C in continuous

---

**D11** Fuel System (Liquid)
- **2-Button QC**
- **Straight**
- PA 8.0x10.0 or 3/8” NT66, NT70
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**D57** Fuel System (Liquid)
- **2-Button QC**
- **Straight**
- PA 8.0x10.0 or 3/8” NT66, NT70
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**D72** Fuel System (Liquid)
- **2-Button QC**
- **45°**
- PA 8.0x10.0 or 3/8” NT66, NT70
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

---

**D58** Fuel System (Liquid)
- **2-Button QC**
- **65°**
- PA 8.0x10.0 or 3/8” NT66, NT70
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**D63** Fuel System (Liquid)
- **2-Button QC**
- **65°**
- PA 8.0x10.0 or 3/8” NT66, NT70
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

**D12** Fuel System (Liquid)
- **2-Button QC**
- **90°**
- PA 8.0x10.0 or 3/8” NT66, NT70
- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

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<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Type</th>
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<td>2-Button QC</td>
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<td>D50</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC-RG valve with plug</td>
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<td>D13</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC-Tap</td>
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<td>D14</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC-Calibrated valve</td>
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<td>Fuel System (Liquid)</td>
<td>2-Button QC - T shape</td>
<td>PA 8.0x10.0 or 3/8”, 7.89 end piece NT66, NT70</td>
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<td>2-Button QC</td>
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<td>Fuel System (Liquid)</td>
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<td>Fuel System (Vapor)</td>
<td>2-Button QC - Single O-Ring</td>
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<td>Fuel System (Vapor)</td>
<td>2-Button QC - Single O-Ring</td>
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<td>Clutch System</td>
<td>2-Button QC</td>
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<td>2-Button QC</td>
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<td>D6</td>
<td>Brake Booster Vacuum</td>
<td>2-Button QC - With Protection cap</td>
<td>90° PA 6.0x8.0, Rubber 3.0 NT66, NT70&lt;br&gt;• Working pressure: 5 to 7 bar&lt;br&gt;• T°: -30°C to 120°C in continuous</td>
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<tr>
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<td>Brake Booster Vacuum</td>
<td>2-Button QC - With Protection cap</td>
<td>90° PA 6.0x8.0, Rubber 3.0 NT66, NT70&lt;br&gt;• Working pressure: 5 to 7 bar&lt;br&gt;• T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>D46</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>Straight PA 6.0x8.0 NT66, NT70&lt;br&gt;• Ambient T°: -40°C to 120°C&lt;br&gt;• T°: -40°C to 70°C max for AdBlue® liquid&lt;br&gt;• Working pressure: 5 to 7 bar</td>
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</tbody>
</table>

**OTHER APPLICATIONS**
<table>
<thead>
<tr>
<th>D17</th>
<th>Various applications</th>
<th>D45</th>
<th>Various applications</th>
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<tbody>
<tr>
<td></td>
<td>End piece</td>
<td></td>
<td>End piece - Long version</td>
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<tr>
<td></td>
<td>Straight</td>
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<td>PA 6.0x8.0</td>
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### Fuel System (Liquid)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<th>Temperature Range</th>
<th>Notes</th>
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<td>Straight</td>
<td>NT90, NT91</td>
<td>PA 6.0x8.0 or 5/16&quot;</td>
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<tr>
<td>G47</td>
<td>2-Button QC - Cartridge</td>
<td>Straight</td>
<td>NT39, NT90, NT91</td>
<td>PA 6.0x8.0</td>
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<td>G1</td>
<td>2-Button QC</td>
<td>Straight</td>
<td>NT90, NT91</td>
<td>PA 6.0x8.0</td>
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<tr>
<td>G2</td>
<td>2-Button QC</td>
<td>90°</td>
<td>PA 6.0x8.0</td>
<td>NT90, NT91</td>
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<tr>
<td>G64</td>
<td>2-Button QC - Stud housing-clip</td>
<td>3 ways</td>
<td>PA 6.0x8.0</td>
<td>NT90, NT91</td>
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<tr>
<td>G66</td>
<td>RayLOCK® QC - RW 0°</td>
<td>Straight</td>
<td>PA 6.0x8.0</td>
<td>NT90, NT91</td>
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<tr>
<td>G55</td>
<td>2-Button QC</td>
<td>Straight</td>
<td>PA 6.0x8.0 or 5/16&quot;</td>
<td>NT90, NT91</td>
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<tr>
<td>G27</td>
<td>2-Button QC</td>
<td>45°</td>
<td>PA 6.0x8.0 or 5/16&quot;</td>
<td>NT90, NT91</td>
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<tr>
<td>G36</td>
<td>2-Button QC - Long version</td>
<td>65°</td>
<td>PA 6.0x8.0 or 5/16&quot;</td>
<td>NT90, NT91</td>
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</table>

**OTHER APPLICATIONS**

- G44 G67

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10.00

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<table>
<thead>
<tr>
<th>Fuel System (Liquid)</th>
<th>PA 6.0x8.0 or 5/16&quot; NT90, NT91</th>
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<tbody>
<tr>
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<td>• Working pressure: 5 to 7 bar</td>
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<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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</tr>
<tr>
<td>30°</td>
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<tr>
<td>PA 8.0x10.0 or 3/8&quot; NT90, NT91</td>
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</tr>
<tr>
<td>• Working pressure: 5 to 7 bar</td>
<td></td>
</tr>
<tr>
<td>• T°: -30°C to 120°C in continuous</td>
<td></td>
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<tr>
<td>OTHER APPLICATIONS</td>
<td>G12, G14, G56</td>
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<tr>
<td>PA 6.0x8.0 or 5/16&quot; NT90, NT91</td>
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<tr>
<td>• Working pressure: 5 to 7 bar</td>
<td></td>
</tr>
<tr>
<td>• T°: -30°C to 120°C in continuous</td>
<td></td>
</tr>
<tr>
<td>End piece</td>
<td></td>
</tr>
<tr>
<td>PA 6.0x8.0 or 5/16&quot;</td>
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</tr>
<tr>
<td>• Working pressure: 5 to 7 bar</td>
<td></td>
</tr>
<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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<tr>
<td>3 way</td>
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</tr>
<tr>
<td>PA 8.0x10.0 or 3/8&quot; NT90, NT91</td>
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<td>• Working pressure: 5 to 7 bar</td>
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<tr>
<td>• T°: -30°C to 120°C in continuous</td>
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<tr>
<td>90°</td>
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<tr>
<td>PA 6.0x8.0 or 3/8&quot; NT90, NT91</td>
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<tr>
<td>• Working pressure: 5 to 7 bar</td>
<td></td>
</tr>
<tr>
<td>• T°: -30°C to 120°C in continuous</td>
<td></td>
</tr>
<tr>
<td>2-Button QC</td>
<td>G3</td>
</tr>
<tr>
<td>2-Button QC</td>
<td>G45</td>
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<td>G61</td>
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<td>G46</td>
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<td>G26</td>
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<td>G53</td>
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<td>2-Button QC</td>
<td>G57</td>
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<tr>
<td>2-Button QC</td>
<td>G31</td>
</tr>
</tbody>
</table>
**Fuel System (Liquid)**

**G29**  
2-Button QC - Long version  
![Image](469x282)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G4**  
2-Button QC  
![Image](401x138)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G35**  
2-Button QC  
![Image](402x268)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G54**  
2-Button QC - Friction welding  
![Image](49x164)  
PA 8.0x10.0 or 3/8'', NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G58**  
2-Button QC - Friction welding  
![Image](49x398)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G60**  
2-Button QC - T shape  
![Image](49x632)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G37**  
RayLOCK® QC - RW 0°  
![Image](49x164)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G52**  
RayLOCK® QC - RW 0°  
![Image](49x398)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**G62**  
RayLOCK® QC - RW 270°  
![Image](49x632)  
PA 8.0x10.0 or 3/8'' NT90, NT91  
- Working pressure: 5 to 7 bar  
- T°: -30°C to 120°C in continuous

**OTHER APPLICATIONS**

**G25**  
2-Button QC

**G29**  
2-Button QC - Long version

**G4**  
2-Button QC

**G35**  
2-Button QC

**G54**  
2-Button QC - Friction welding

**G58**  
2-Button QC - Friction welding

**G60**  
2-Button QC - T shape

**G37**  
RayLOCK® QC - RW 0°

**G52**  
RayLOCK® QC - RW 0°

**G62**  
RayLOCK® QC - RW 270°

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**Fuel System (Liquid)**

**G51**  
Fuel System (Liquid)  
RayLOCK® QC - RW 0°  
90°  
PA 8.0x10.0 or 3/8"  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous  
OTHER APPLICATIONS  
G36

**G39**  
Fuel System (Liquid)  
RayLOCK® QC - RW 90°  
90°  
New tool required  
PA 8.0x10.0 or 3/8"  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

**G65**  
Fuel System (Liquid)  
2-Button QC - Pressure regulator  
90°  
PA 9.0x12.0  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

**G5**  
Fuel System (Liquid)  
2-Button QC  
PA 10.0x12.0  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

**G6**  
Fuel System (Liquid)  
2-Button QC  
PA 10.0x12.0  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous  
OTHER APPLICATIONS  
G68

**G59**  
Fuel System (Liquid)  
End piece  
45°  
New tool required  
PA 12.0x14.0 or 1/2"  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

**G24**  
Fuel System (Liquid)  
2-Button QC  
Straight  
Rubber 7.3  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

**G18**  
Fuel System (Liquid)  
2-Button QC  
90°  
New tool required  
Rubber 7.3  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

**G48**  
Fuel System (Liquid)  
2-Button QC  
90°  
New tool required  
Rubber 7.3  
NT90, NT91  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

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<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Applications</th>
<th>Specifications</th>
</tr>
</thead>
</table>
| G17  | Fuel System (Liquid) 2-Button QC | Straight | Rubber 7.5 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G10  | Power Steering 2-Button QC | 90° | Rubber 9.3 NT161  
* T°: -30°C to 120°C in continuous  
* Pressure: -0.5 to 1 bar |
| G14  | Hydraulic Brake 2-Button QC | Straight | Rubber 9.3 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G11  | Power Steering 2-Button QC | Straight | Rubber 9.3 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G12  | Power Steering 2-Button QC | Straight | Rubber 9.3 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G8   | Fuel System (Liquid) 2-Button QC | 90° | Rubber 9.3 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G9   | Fuel System (Liquid) 2-Button QC | 90° | Rubber 9.3 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G7   | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G17  | Fuel System (Liquid) 2-Button QC | Straight | Rubber 9.3 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G18  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G19  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G20  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G21  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G22  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G23  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G24  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
| G25  | Fuel System (Vapor) 2-Button QC-Single O-Ring | 90° | PA 6.0x8.0 NT90, NT91  
* Working pressure: 5 to 7 bar  
* T°: -30°C to 120°C in continuous |
**G69**  
Thermal Management System  
1-Button QC - RW 0°

- **Material:** PA 6.0x8.0  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G56**  
Thermal Management System  
2-Button QC

- **Material:** PA 8.0x10.0 or 3/8”  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G41**  
Thermal Management System  
2-Button QC

- **Material:** PA 9.0x12.0  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G43**  
Thermal Management System  
2-Button QC

- **Material:** PA 9.0x12.0  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G42**  
Thermal Management System  
2-Button QC

- **Material:** PA 9.0x12.0  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G23**  
Thermal Management System  
2-Button QC

- **Material:** Rubber 9.3  
- **Application:** NT161
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G40**  
Thermal Management System  
2-Button QC

- **Material:** Rubber 9.5  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous

**G67**  
Urea SCR system  
2-Button QC - End cap

- **Material:** Rubber 9.5  
- **Application:** NT90, NT91
- **Pressures:** Working pressure 0.5 to 2 bars  
- **Temperatures:** T°: -40°C to 120°C in continuous
- **Ambient Temperatures:** T°: -40°C to 120°C  
- **Additional:** Working pressure: 5 to 7 bar

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<table>
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<tr>
<th>Model</th>
<th>Description</th>
<th>Applications</th>
<th>Features</th>
</tr>
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<tbody>
<tr>
<td>G68</td>
<td>Urea SCR system</td>
<td>2-Button QC</td>
<td>PA 10.0x12.0 NT90, NT91&lt;br&gt;• Ambient T°: -40°C to 120°C&lt;br&gt;• T°: -40°C to 70°C max for AdBlue® liquid&lt;br&gt;• Working pressure: 5 to 7 bar&lt;br&gt;OTHER APPLICATIONS: G6</td>
</tr>
<tr>
<td>G34</td>
<td>Various applications</td>
<td>End piece</td>
<td>Straight</td>
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<tr>
<td>G50</td>
<td>Various applications</td>
<td>End piece</td>
<td>Straight</td>
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<tr>
<td>GJ1</td>
<td>Various applications</td>
<td>End piece - T shape</td>
<td>3 ways</td>
</tr>
<tr>
<td>Model</td>
<td>Application</td>
<td>Code</td>
<td>Description</td>
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<tr>
<td>J3</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC</td>
<td><strong>Straight</strong></td>
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<td>PA 10.0x12.5 NT100</td>
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<td>J28</td>
<td>Fuel System (Liquid)</td>
<td>2-Button QC- One way valve</td>
<td><strong>Straight</strong></td>
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<td>PA 10.0x12.5 NT100</td>
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<tr>
<td>J35</td>
<td>Fuel System (Vapor)</td>
<td>2-Button QC- End cap</td>
<td><strong>90°</strong></td>
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<tr>
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<td>PA 14.0x16.0 or 5/8&quot; NT100</td>
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<tr>
<td>J19</td>
<td>Fuel System (Vapor)</td>
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</tr>
</tbody>
</table>
Thermal Management System

NT100

OTHER APPLICATIONS

J27

Straight

Rubber 16.0
NT100

• Working pressure: 0.5 to 2 bars
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J35

Straight

Power Steering

Rubber 16.0
PA 14.0x16.0 or 5/8”
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J21

2-Button QC

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J20

90°

Rubber 14.3
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J23

45°

PA 14.0x16.0 or 5/8”
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J1

J20

J22

2-Button QC

Power Steering

Rubber 14.3
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J24

J29

90°

Power Steering

Rubber 16.0
PA 16.0x18.0 - 3/4”
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J2

J30

45°

Fuel System (Vapor)

PA 16.0x18.0 - 3/4”
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J33

2-Button QC

Fuel System (Vapor)

PA 14.0x16.0 or 5/8”
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J3

J20

J22

2-Button QC

Power Steering

PA 14.0x16.0 or 5/8”
NT100

• Working pressure: 5 to 7 bar
• T°: -30°C to 120°C in continuous

OTHER APPLICATIONS

J1

OTHER APPLICATIONS
<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
<th>Applications</th>
<th>Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>J20</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>Straight, PA 14.0x16.0 or 5/8” NT100, Working pressure: 0.5 to 2 bars, T°: -40°C to 120°C in continuous</td>
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<tr>
<td>J30</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>45°, Rubber 14.3 NT100, Working pressure: 0.5 to 2 bars, T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>J29</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>90°, Rubber 14.3 NT100, Working pressure: 0.5 to 2 bars, T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>J23</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>Straight, Rubber 14.3 NT100, Working pressure: 0.5 to 2 bars, T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>J32</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>45°, Rubber 14.3 NT100, Working pressure: 0.5 to 2 bars, T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>J24</td>
<td>Thermal Management System</td>
<td>2-Button QC</td>
<td>90°, Rubber 14.3 NT100, Working pressure: 0.5 to 2 bars, T°: -40°C to 120°C in continuous</td>
</tr>
<tr>
<td>J10</td>
<td>Various applications</td>
<td>End piece- Big shoulder</td>
<td>Straight, PA 9.0x12.0</td>
</tr>
<tr>
<td>J11</td>
<td>Various applications</td>
<td>End piece- Big shoulder</td>
<td>Straight, PA 12.0x14.0 or 1/2”</td>
</tr>
<tr>
<td>J13</td>
<td>Various applications</td>
<td>Protection cap- For End piece</td>
<td></td>
</tr>
</tbody>
</table>

 долна 16.00
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Material Details</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>K4</td>
<td>Fuel System (Vapor)</td>
<td>Rubber 16 - 17 NT138</td>
<td>Working pressure: 5 to 7 bar, T°: -30°C to 120°C in continuous</td>
</tr>
<tr>
<td>K1</td>
<td>Crankcase Breather</td>
<td>PA 14.0x16.0 or 5/8” NT138</td>
<td>T°: 125°C in continuous, Pression: 1 bar</td>
</tr>
<tr>
<td>K3</td>
<td>Crankcase Breather</td>
<td>PA 14.0x16.0, Rubber 7.3 NT138</td>
<td>T°: 125°C in continuous, Pression: 1 bar</td>
</tr>
<tr>
<td>K2</td>
<td>Crankcase Breather</td>
<td>PA corr tube ID 14.0 NT138</td>
<td>T°: 125°C in continuous, Pression: 1 bar</td>
</tr>
<tr>
<td>K5</td>
<td>Crankcase Breather</td>
<td>PA 14.0x16.0 or 5/8” NT138</td>
<td>T°: 125°C in continuous, Pression: 1 bar</td>
</tr>
</tbody>
</table>
**L2** Thermal Management System
2-Button QC

- Rubber 16.0 NT220
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**L17** Thermal Management System
2-Button QC

- Rubber 16.0 NT220
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**L3** Thermal Management System
2-Button QC - Single O-Ring

- Rubber 16.0 NT220
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**L22** Thermal Management System
2-Button QC - T shape

- Rubber 16.0 NT220
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**L16** Thermal Management System
2-Button QC and C Lock- and VDA QC

- Rubber 18.0 NT220
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**L15** Various applications
End piece

- Rubber 16.0 NT220
- PA 15.0x18.0

**L14** Various applications
End piece - Big shoulder

- Rubber 16.0 NT220
- PA 15.0x18.0

**L9** Various applications
End piece - Big shoulder

- Rubber 16.0 NT220

**L10** Various applications
Plug

- Rubber 16.0 NT220

---

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Thermal Management System

N3 2-Button QC
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

N1 2-Button QC
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

L13 Various applications
Plug - For leakage test

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Various applications

- PA 21.0x25.0
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

End piece

- Rubber 22.0
- NT338
- Ambient T°: -30°C to 120°C in continuous
- Pressure: -0.5 to 1 bar

- Rubber 22.0
- NT338
- Ambient T°: -40°C to 120°C in continuous
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

- Rubber 22.0
- NT339
- Ambient T°: -30°C to 120°C in continuous
- Pressure: -0.5 to 1 bar

Urea SCR system

- PA 21.0x25.0
- Ambient T°: -40°C to 120°C
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

- Rubber 22.0
- NT338
- Ambient T°: -40°C to 120°C in continuous
- T°: -40°C to 70°C max for AdBlue® liquid
- Working pressure: 5 to 7 bar

- Rubber 22.0
- NT339
- Ambient T°: -30°C to 120°C in continuous
- Pressure: -0.5 to 1 bar

Power Steering

- PA 19.0x22.0
- NT339
- Ambient T°: -30°C to 120°C
- Pressure: -0.5 to 1 bar

Thermal Management System

- PA 20.0x23.0
- NT338
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

- Rubber 22.0
- NT339
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

- Rubber 22.0
- NT338
- Ambient T°: -40°C to 120°C in continuous
- Pressure: -0.5 to 1 bar

- Rubber 22.0
- NT339
- Ambient T°: -30°C to 120°C in continuous
- Pressure: -0.5 to 1 bar

<table>
<thead>
<tr>
<th>Part</th>
<th>Application</th>
<th>Angle</th>
<th>Material</th>
<th>Dimensions</th>
<th>Temperature Range</th>
<th>Pressure Range</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>X4</td>
<td>Power Steering</td>
<td>30°</td>
<td>PA 19.0x22.0 NT339</td>
<td>Ambient T°: -30°C to 120°C</td>
<td>Pressure: -0.5 to 1 bar</td>
<td>-</td>
<td>New tool required</td>
</tr>
<tr>
<td>X5</td>
<td>Power Steering</td>
<td>30°</td>
<td>Rubber 22.0 NT339</td>
<td>Ambient T°: -30°C to 120°C</td>
<td>Pressure: -0.5 to 1 bar</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
**X01**  
Fuel System (Liquid)

**P2L® QC - RW 0°**

Straight  
New tool required

PA 37.0x43.0  
NTJP039

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

---

**O2**  
Fuel System (Liquid)

2-Button QC - Welding type

NT303

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

---

**O3**  
Fuel System (Liquid)

2-Button QC

Rubber 27.0  
NT303

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous
**RV1** Turbo Charger Lubrication
2-Button QC - Friction welding

- Working pressure: 3.5 bars
- T°: -120°C to 120°C in continuous

**WI1** Thermal Management System
Sleeve Lock QC

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCD5</td>
<td>Various applications</td>
<td>End piece - Type plug</td>
</tr>
<tr>
<td>BCD1</td>
<td>Various applications</td>
<td>Assembly check</td>
</tr>
<tr>
<td>BCD2</td>
<td>Various applications</td>
<td>Assembly check - Pull Tab</td>
</tr>
<tr>
<td>BCD7</td>
<td>Various applications</td>
<td>Plug - For Double lock</td>
</tr>
<tr>
<td>BCD3</td>
<td>Various applications</td>
<td>Double lock - For 2-Button QC</td>
</tr>
<tr>
<td>BCD6</td>
<td>Various applications</td>
<td>Double lock - For 2-Button QC - Long version</td>
</tr>
<tr>
<td>BCD4</td>
<td>Various applications</td>
<td>STAR plug</td>
</tr>
<tr>
<td>BD2</td>
<td>Various applications</td>
<td>End piece - Clip for color coding</td>
</tr>
<tr>
<td>BD1</td>
<td>Various applications</td>
<td>Protection cap - For End piece</td>
</tr>
</tbody>
</table>

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Various applications
Protection cap - For End piece

Double lock - For 2-Button QC

Double lock - For 2-Button QC

Double lock - For 2-Button QC

Assembly check - Pull Tab

Protection cap - For 2-Button QC

Double lock - For 2-Button QC

STAR plug

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NEXT GENERATION

Driven by a constant care in answering our customer requirements and anticipating the evolution of the automotive industry, our experts in Quick Connectors work to design increasingly innovative solutions for the next generation of Quick Connectors for cooling lines.

VDA

Our new generation of VDA Connector offers new valuable features including connection ease, thus minimizing the efforts of chain operators.
**GA1**  
**Thermal Management System**  
VDA QC - RW 90° - Single O-Ring  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**GA2**  
**Thermal Management System**  
VDA QC - RW 0° - Single O-Ring  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**GA3**  
**Thermal Management System**  
VDA QC - RW 0° - Single O-Ring  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**GA4**  
**Thermal Management System**  
VDA QC - RW 0°  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous
Thermal Management System

**JA2** Thermal Management System
VDA QC

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**JA3** Thermal Management System
VDA QC - RW 0° - Single O-Ring

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**JA7** Thermal Management System
VDA QC - RW 0°

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**JA5** Thermal Management System
VDA QC - RW 0°

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**JA6** Thermal Management System
VDA QC - RW 126.5°

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**JA4** Thermal Management System
VDA QC - RW 270° - Single O-Ring

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NW12**

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NW14**

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**MA1** Thermal Management System
VDA QC

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**MA2** Thermal Management System
VDA QC

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

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Thermal Management System

**NB14**  
VDA QC  
- Straight  
- PA 16.5x18.5 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB18**  
VDA QC - RW 0°  
- 90°  
- PA 16.5x18.5 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB24**  
VDA QC - RW 0°  
- 90°  
- PA 16.5x18.5 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB17**  
VDA QC - RW 180°  
- 3 ways  
- Rubber 8, Rubber 20.0 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB1**  
VDA QC  
- Straight  
- Rubber 16.0 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB22**  
VDA QC  
- Straight  
- Rubber 16.0 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB8**  
VDA QC - RW 0°  
- 45°  
- Rubber 16.0 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB27**  
VDA QC - RW 140°  
- 45°  
- Rubber 16.0 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

**NB7**  
VDA QC - RW 180°  
- 45°  
- Rubber 16.0 NT413  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

For more information, visit www.araymond-automotive.com
Thermal Management System

**NB10** Thermal Management System
VDA QC - RW 90°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB25** Thermal Management System
VDA QC - RW 270°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB28** Thermal Management System
VDA QC - RW 312°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB12** Thermal Management System
VDA QC - RW 90°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB6** Thermal Management System
VDA QC - RW 0°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB9** Thermal Management System
VDA QC - RW 0°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB23** Thermal Management System
VDA QC - RW 0°
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB21** Thermal Management System
VDA QC - RW 270° - Single O-Ring
- Rubber 16.0
- NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

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**Thermal Management System**

**NB20** End piece
- Rubber 16.0 NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB11** End piece - for VDA standard QC
- Rubber 16.0
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB2** VDA QC - Anti twist device
- Rubber 18.0 NT416
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB3** VDA QC - RW 270° - Anti twist device
- Rubber 18.0 NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB5** VDA QC - RW 270°
- Rubber 18.0 NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB4** VDA QC - RW 270° - Anti twist device
- Rubber 18.0 NT416
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB16** VDA QC - RW 0°
- Rubber 20.0 NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB26** VDA QC - RW 315° - T shape
- Rubber 22.0 NT413
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

**NB13** End piece - T shape - for VDA standard QC
- Rubber 18.0
- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

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Thermal Management System

**XA3**
- **Material:** Rubber 26.0 NT413
- **Type:** VDA QC
- **Features:**
  - Working pressure: 0.5 to 2 bars
  - Temperature: -40°C to 120°C in continuous

**XA2**
- **Material:** Rubber 20.0 NT413
- **Type:** VDA QC
- **Features:**
  - Working pressure: 0.5 to 2 bars
  - Temperature: -40°C to 120°C in continuous

**XA1**
- **Material:** Rubber 20.0 NT413
- **Type:** End piece
- **Features:**
  - Working pressure: 0.5 to 2 bars
  - Temperature: -40°C to 120°C in continuous

**XP1**
- **Material:** Rubber 26.0 NT413
- **Type:** VDA QC - RW 0°
- **Features:**
  - Working pressure: 0.5 to 2 bars
  - Temperature: -40°C to 120°C in continuous

**NW20**
- **Model:** PA 16.5x18.5 NT413
- **Features:**
  - Working pressure: 0.5 to 2 bars
  - Temperature: -40°C to 120°C in continuous

**NW26**
- **Model:** PA 16.5x18.5 NT413
- **Features:**
  - Working pressure: 0.5 to 2 bars
  - Temperature: -40°C to 120°C in continuous
2-BUTTON COMPACT QC
2-BUTTON COMPACT QC

**YA1** Thermal Management System
2-Button QC - Ø14

- **Straight**
  - PA 12.0x14.0 or 1/2"
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

**YA2** Thermal Management System
2-Button QC - Ø14

- **90°**
  - PA 12.0x14.0 or 1/2"
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

**YA3** Thermal Management System
2-Button QC - T shape - Ø14

- **3 ways**
  - PA 12.0x14.0 or 1/2"
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

**YA4** Thermal Management System
2-Button QC - Ø18

- **Straight**
  - PA 14.0x16.5
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

**YA5** Thermal Management System
2-Button QC - Ø18

- **90°**
  - PA 14.0x16.5
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

**YA6** Thermal Management System
2-Button QC - Ø18

- **90°**
  - PA 15.0x18.0
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

**YA7** Thermal Management System
2-Button QC - RW 90° - T shape - Ø18

- **3 ways**
  - PA 15.0x18.0
  - Working pressure: 0.5 to 2 bars
  - T°: -40°C to 120°C in continuous

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P3  Thermal Management System  
E Lock QC - Single O-Ring with Plug

NT276  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

P1  Thermal Management System  
E Lock QC - Single O-Ring

PA 4.0x6.0 or 6.0x8.0  
NT276  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

P2  Thermal Management System  
E Lock QC - Single O-Ring

PA 4.0x6.0 or 6.0x8.0  
NT276  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

P4  Thermal Management System  
E Lock QC - Single O-Ring

PA 4.0x6.0 or 6.0x8.0  
NT276  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

P5  Thermal Management System  
E Lock QC - One way valve with insert

PA 4.0x6.0 or 6.0x8.0  
NT276  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

P6  Thermal Management System  
E Lock QC - Single O-Ring

PA 4.0x6.0 or 6.0x8.0  
NT276  
- Working pressure: 0.5 to 2 bars  
- T°: -40°C to 120°C in continuous

P7  Air  
E Lock QC - End cap

NT276  
- T°: -40°C to 120°C in continuous  
- Working pressure: 5 to 7 bar

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Q1  Thermal Management System
2-Button QC - Single O-Ring

PA 16.0x18.0
NT286
• Working pressure: 0.5 to 2 bars
• T°: -40°C to 120°C in continuous

Q2  Thermal Management System
2-Button QC - Single O-Ring

Rubber 17.0
NT286
• Working pressure: 0.5 to 2 bars
• T°: -40°C to 120°C in continuous
R7 Thermal Management System
2-Button QC - Single O-Ring

Straight
Rubber 16.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous

R1 Thermal Management System
2-Button QC - Single O-Ring

Straight
Rubber 20.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous

R4 Thermal Management System
2-Button QC - Single O-Ring

Straight
Rubber 20.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous

R5 Thermal Management System
2-Button QC - Single O-Ring - Closed without external indexing

Straight
Rubber 20.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous

R2 Thermal Management System
2-Button QC - Single O-Ring

90°
Rubber 20.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous

R6 Thermal Management System
2-Button QC - RW 90°

90°
Rubber 20.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous

R3 Thermal Management System
2-Button QC - Single O-Ring - Manual drain

90°
Rubber 20.0 NT281
• Working pressure: 0,5 to 2 bars
• T°: -40°C to 120°C in continuous
JAPANESE NORMS
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Fuel System (Liquid)</th>
<th>Dimensions</th>
<th>Working Pressure</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA1</td>
<td>2-Button QC - Long version Toyota type</td>
<td>PA 6.0x8.0 or 5/16” NT121, NT80, NT81</td>
<td>Straight</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
<tr>
<td>AA2</td>
<td>2-Button QC - Long version Toyota type</td>
<td>Rubber 5.5 NT121, NT80, NT81</td>
<td>Straight</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
<tr>
<td>AA3</td>
<td>2-Button QC - Long version Toyota type</td>
<td>PA 6.0x8.0 or 5/16” NT121, NT80, NT81</td>
<td>90°</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
<tr>
<td>AA4</td>
<td>P2L® QC - RW 0°</td>
<td>PA 6.0x8.0 or 5/16” NT121, NT80, NT81</td>
<td>Straight</td>
<td>5 to 7 bar</td>
<td>-30°C to 120°C in continuous</td>
</tr>
</tbody>
</table>
Fuel System (Liquid)

**C18**
- **2-Button QC - End cap**
- NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- **Straight**

**C13**
- **2-Button QC**
- PA 3.35x4.5 NT319
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- 90°

**C1**
- **2-Button QC**
- PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- Straight

**C16**
- **2-Button QC**
- PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- 45°

**C2**
- **2-Button QC**
- PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- 90°

**C17**
- **2-Button QC - RW 90°**
- PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- 90°

**C27**
- **2-Button QC - RW 90° - T shape**
- PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- 3 ways

**C21**
- **P2L® QC - RW 0°**
- PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- Straight

**C23**
- **P2L® QC - RW 0° - Single O-Ring**
- PA 6.0x8.0 or 5/16” NT65, NT71
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous
- Straight
### C22 - Fuel System (Liquid)
- **P2L® QC - RW 270°**
- **Type**: 45°
- **Material**: PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C24 - Fuel System (Liquid)
- **P2L® QC - RW 270°**
- **Type**: 90°
- **Material**: PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C25 - Fuel System (Liquid)
- **P2L® QC - RW 90°**
- **Type**: 90°
- **Material**: PA 6.0x8.0 or 5/16” NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C10 - Fuel System (Liquid)
- **2-Button QC**
- **Type**: Straight
- **Material**: PA 8.0x10.0 or 3/8” NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C11 - Fuel System (Liquid)
- **2-Button QC**
- **Type**: 90°
- **Material**: PA 8.0x10.0 or 3/8” NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C20 - Fuel System (Liquid)
- **2-Button QC**
- **Type**: Straight
- **Material**: Rubber 5.5 NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C15 - Fuel System (Liquid)
- **2-Button QC**
- **Type**: 90°
- **Material**: Rubber 7.3 NT101, NT102, NT65, NT71
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C26 - Fuel System (Liquid)
- **End piece**
- **Type**: Straight
- **Material**: Rubber 8
- **Working pressure**: 5 to 7 bar
- **T°**: -30°C to 120°C in continuous

### C29 - Various applications
- **Protector connector cover**

---

**JAPANESE NORMS**

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M1  Fuel System (Liquid)  
2-Button QC  
Straight  
PA 16.5x18.5  
NT271, NT306  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

M2  Fuel System (Liquid)  
2-Button QC  
90°  
PA 16.5x18.5  
NT251, NT271, NT272  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

M3  Fuel System (Vapor)  
2-Button QC- Single O-Ring  
Straight  
PA 16.0x18.0  
NT251  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

M6  Fuel System (Vapor)  
2-Button QC- Single O-Ring  
45°  
PA 16.0x18.0  
NT251  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous

M8  Fuel System (Vapor)  
P2L® QC - RW 90° - Single O-Ring  
45°  
PA 16.0x18.0  
NT251, NTJP063  
• Working pressure: 5 to 7 bar  
• T°: -30°C to 120°C in continuous
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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>End piece- Type plug</td>
<td>Various applications</td>
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<td>BCD1</td>
<td>Assembly check</td>
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<tr>
<td>BCD2</td>
<td>Assembly check- Pull Tab</td>
<td>Various applications</td>
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<tr>
<td>BCD7</td>
<td>Plug- For Double lock</td>
<td>Various applications</td>
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<td>BCD3</td>
<td>Double lock- For 2-Button QC</td>
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<td>BCD6</td>
<td>Double lock- For 2-Button QC Long version</td>
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<tr>
<td>BCD4</td>
<td>STAR plug</td>
<td>Various applications</td>
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TYPE 6
**Type 6**

**T1**  
**Brake Booster Vacuum**  
**E Lock QC- Single O-Ring**  
- Straight

- **PA 8.0x10.0 or 3/8” NT214**
  - Working pressure: 1 bar
  - T°: -30°C to 120°C in continuous

**T2**  
**Brake Booster Vacuum**  
**E Lock QC- Single O-Ring**  
- **90°**

- **PA 8.0x10.0 or 3/8” NT214**
  - Working pressure: 1 bar
  - T°: -30°C to 120°C in continuous
**ADAPTORS**

### S10
**Fuel System (Liquid)**
Adaptor - Bleed screw

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S30
**Fuel System (Liquid)**
Adaptor - X shape

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S38
**Fuel System (Vapor)**
Adaptor - T shape - One way

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S36
**Fuel System (Vapor)**
Adaptor - T shape

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S11
**Hydraulic Brake**
Adaptor - with Protection cap

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S18
**Thermal Management System**
Adaptor - I shape

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S33
**Thermal Management System**
Adaptor - Y shape

- Working pressure: 5 to 7 bar
- T°: -30°C to 120°C in continuous

### S19
**Thermal Management System**
Adaptor - I shape

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

### S34
**Thermal Management System**
Adaptor - Y shape

- Working pressure: 0.5 to 2 bars
- T°: -40°C to 120°C in continuous

---

ARaymond
MORE THAN FASTENING

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### ADAPUTERS

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<thead>
<tr>
<th>S32</th>
<th>Adaptor - Y shape</th>
<th>PA 6x8 or 6.35x8.35, PA 14.0x16.0</th>
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<th>Adaptor - I shape</th>
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<td>• Working pressure: 0.5 to 2 bars</td>
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<th>Adaptor - T shape</th>
<th>PA 3.35x4.5</th>
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<th>S2</th>
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| ADAPTORS |
|-----------------|-----------------|-----------------|
| **S12** Various applications | **S14** Various applications | **S22** Various applications |
| Adaptor - T shape | Adaptor - Y shape | Adaptor - X shape |
| 3 ways | 3 ways | 4 ways |
| PA 6.0x8.0 or 5/16", Rubber 7.5 | PA 6.0x8.0, PA 14.0x16.0 | PA 6.0x8.0, PA 14.0x16.0 |
| **S27** Various applications | **S8** Various applications | **S4** Various applications |
| Adaptor - Y shape | Adaptor - L shape - Schrader® valve | Adaptor - T shape |
| 3 ways | 90° | 3 ways |
| PA 6x8 or 6.35x8.35, PA 13.5x16.0 | PA 8.0x10.0 or 3/8" | PA 8.0x10.0 or 3/8" |
| **S28** Various applications | **S35** Various applications | **S7** Various applications |
| Adaptor - I shape | Adaptor - T shape | Adaptor - L shape |
| Straight | 3 ways | 90° |
| PA 9.0x12.0, Rubber 9.5 | PA 9.0x12.0 | PA 14.0x16.0 or 5/8" |

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<tr>
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<td><strong>S31</strong></td>
<td>Adaptor - L shape</td>
<td><strong>S5</strong></td>
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INJECTORS
### Fuel System (Liquid)

#### ZB1
- **FlagLOCK® QC**
- **2 ways**
- **PA 4.5x6.0 NT388**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

#### ZB2
- **FlagLOCK® QC - T shape**
- **3 ways**
- **PA 4.5x6.0 NT388**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

#### ZA1
- **S2L® QC**
- **90°**
- **PA 4.5x6.0 NT340, NT373**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

#### ZB5
- **Injector cap**
- **Straight**
- **PA 6.0x8.0 or 5/16”**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

#### ZB4
- **FlagLOCK® QC**
- **2 ways**
- **NT438**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

#### ZB3
- **FlagLOCK® QC - T shape**
- **160°**
- **NT438**
  - Working pressure: 5 to 7 bar
  - T°: -30°C to 120°C in continuous

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