Please be so kind to verify with us approvals, accessories (tubes, tubes materials, tubes fixing, anti-filling devices, tools for anti-filling devices, caps, sealants and settings) and optional features. Approvals of any kind have to be expressly specified on orders or enquires.

For orders please refer to:

tel. +39 030 9663.111 - fax +39 030 9969014
Website: www.cavagnagroup.com
E-mail: omeca@cavagnagroup.com
Questa sezione del catalogo è dedicato alla memoria di Paolo Cominelli, il cui contributo fattivo e propositivo ha influito in modo determinante alla stesura e alla raccolta delle informazioni tecniche in esso contenute.

This section is dedicated in Paolo Cominelli's memory for his meritorious service to the collection of technical data gathered to help create much of the written text included herewith.

Im Gedenken an Paolo Cominelli widmen wir ihm diese Sektion. Es ist sein Verdienst, die technischen Daten zusammengetragen und in Schriftform gebracht zu haben.

Se dedica este catálogo a la memoria de Paolo Cominelli, cuyo contributo activo y propositivo resultó determinante para la recolección de las informaciones técnicas que incluye y su realización.

Hélas, Paolo Cominelli, ne verra pas cette partie du catalogue, qu'il avait entièrement conçu. Ses recherches tant techniques que culturelles y furent importantes. Son efficacité, son dévouement contribuèrent à sa réalisation.
APPLICATION
These multivalves are suitable for 100-200 lbs DOT or ASME containers. The 67.0812 can also be used for a 60 gallons tank.

FEATURES
- Multi purpose valve with double back check filler valve
- Ideal for on site filling of DOT cylinder up to 200 lbs LPG capacity without interrupting service
- Includes a service valve, back check filler valve, fixed maximum liquid level gauge (specify DT length when ordering)
- New high discharge flow capacity pressure relief valve (1123 UL listing)
- Reduced filler valve chamber reduces the waste of LPG during filling operation
- Increased high filling capacity
- Double o-ring replaceable stem

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank Connection</th>
<th>Vapor Service Connection</th>
<th>Filler Connection</th>
<th>Fixed Liquid Level Gauge</th>
<th>DT length</th>
<th>Propane liquid capacity at various differential pressure (GPM)</th>
<th>Pressure Relief Valve Flow Capacity (SCFM) Air</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 PSI</td>
<td>20 PSI</td>
</tr>
<tr>
<td>67.0805</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>not captive</td>
<td>10.6”</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>67.0808</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>not captive</td>
<td>11.6”</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>67.0812</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>not captive</td>
<td>6.0”</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>67.0816</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>not captive</td>
<td>8.2”</td>
<td>9</td>
<td>15</td>
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<tr>
<td>67.0817</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
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<td>9.6”</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>67.0814</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>not captive</td>
<td>9.6”</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>67.1004</td>
<td>3/4” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>not captive</td>
<td>8.6”</td>
<td>9</td>
<td>15</td>
</tr>
</tbody>
</table>
Multiple head unit

67.0807

67.0.490.0807
Multi Service Valve for ASME underground Propane tank.

APPLICATION
These multiservice valves are designed for use in a single opening ASME containers with a riser of 2 1/2” MNPT. A separate opening is required for liquid withdrawal valve.

FEATURES
The solid brass multiservice valve incorporates:
- double check filler valve
- vapour equalizing valve with excess flow
- pressure relief valve with protective cap
- service valve with Cavagna Qualihandwheel system
- plugged 1/4” F.NPT gauge boss
- fixed liquid level gauge with DT. Specify DT length when ordering
- “Junior” size float gauge flange opening. Specify float gauge when ordering
- Internal threads accomodate 2 1/2” M.NPT riser pipe connection and a 3/4” F.NPT connection for the filling valve opening
- Double o-ring service valve: individual replacement system

* Specify when ordering

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank Connection</th>
<th>Vapor Service Connection</th>
<th>Filler Connection</th>
<th>Fixed Liquid Level Gauge</th>
<th>DT length</th>
<th>Propane liquid capacity at various differential pressure (GPM)</th>
<th>Pressure Relief Valve Flow Capacity (SCFM) Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.0807</td>
<td>2 1/2” MNPT</td>
<td>POL(CGA 510)</td>
<td>1 3/4” ACME</td>
<td>captive</td>
<td>*</td>
<td>58 98 146 186 250 1918 1808</td>
<td>UL 1808</td>
</tr>
</tbody>
</table>
APPLICATION
Multiservice valve suitable for ASME tanks where a vapor service valve is required. This valve incorporates in the same body a service valve, a vapour withdrawal valve and a fixed level gauge.

FEATURES
Improved Stem Seal - Two seals - a back seat and an O-ring (both TFE coated) protect against stem leakage in the service valve portion. When the service valve is fully open, the O-ring is not under pressure, increasing the service life of the O-ring.

Easy Seal Replacement - Should either of the stem seals need to be replaced, the tank does not have to be evacuated. Closing the service valve and removing the handwheel and bonnet permits the O-ring and back seat to be reached.

Redesigned Body Configuration - Installation of the 67.0720 can be made with a standard 1” socket wrench using the large center wrenching hex. The extremely low body silhouette (approximately 2 3/4”) allows the use of small, economical hoods.

Convenient Level Gauge - Top mounting of the fixed liquid level gauge gives easy access.

Gauge Connection - The 1/4” FNPT gauge connection can be plugged or left unplugged for installation of a pressure gauge.

Fixed level gauge - Please specify DT length when ordering

Everseal - Preapplied on the inlet thread
Various DT length upon request

<table>
<thead>
<tr>
<th>ORDERING INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part number</td>
</tr>
<tr>
<td>67.0720</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.
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FEATURES

Double Back Check Construction - All Omeca filler valves are of the double back check construction where there are: (1) a soft seated up back check, and (2) a metal–to-metal lower back check seat or also a rubber seated back check like in the 66.1104.

Efficient Flow Characteristics - The efficient flow channel design of the valves gives low flow resistance, prolonging pump and hose life, and high filling capacity.

One Piece Body Design - 66.1073

Spray Fill - The one piece body 66.1073 gives spray filling when installed in any standard or recessed half coupling. The cooling effect of spray filling minimizes tank pressure build up, allowing product to remain in the liquid state for faster filling.

• Sealant pre-applied on the tank connection threads on both valves
• Both valves are UL listed
• Smaller filling upper chamber to avoid waste of liquid propane during every filling operation
• All the valves are furnished with yellow plastic caps with strap attached

Note: For replacement components, please refer to the end of the section.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container connection</th>
<th>Line connection</th>
<th>Wrench Hex Flats</th>
<th>Propane liquid capacity at various differential pressure (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 PSI</td>
</tr>
<tr>
<td>66.1122</td>
<td>3/4&quot; M.NPT</td>
<td>1 3/4 Male ACME</td>
<td>1 3/4&quot;</td>
<td>17</td>
</tr>
<tr>
<td>66.1232</td>
<td>1 1/4&quot; M.NPT</td>
<td>1 3/4 Male ACME</td>
<td>1 3/4&quot;</td>
<td>58</td>
</tr>
</tbody>
</table>
**Filler Valves**

**VRN 90**
66.0.290.1051
Filler valve for LP-GAS tanks. TUV approved. Furnished with solid brass cap.

**VRN 20L**
66.0.290.1061
This is a special filler valve, designed for stationary underground tanks. This design facilitates the connection between the stationary tank and the hose of LPG tank truck.

**VRN 93**
66.0.290.0221
Filler valve for LP-GAS tanks. TUV approved. Furnished with solid brass cap.

**VRN 88**
67.0.490.0681

**FEATURES**
- Both these valves are a double check filler valves where there are a soft seated upper back check and a (2) metal to metal lower back check seat
- In addition these filler valves incorporate an emergency ball shut-off valve
- These two versions can be used either for underground (VRN 88) or above ground LPG tanks (VRN 93) thanks to an oriented easy to connect design to the bobtail delivery truck
- Both valves are conforming British standards

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank connection</th>
<th>Filler connection</th>
<th>Wrench Hex Flats</th>
<th>Propane liquid capacity at various differential pressure (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 PSI</td>
</tr>
<tr>
<td><strong>66.1051 (VRN 90)</strong></td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
<td>58</td>
</tr>
<tr>
<td><strong>66.1061 (VRN 20L)</strong></td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
<td>54</td>
</tr>
<tr>
<td><strong>66.0221 (VRN 93)</strong></td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
<td>-</td>
</tr>
<tr>
<td><strong>67.0681 (VRN 88)</strong></td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
<td>-</td>
</tr>
</tbody>
</table>
**APPLICATION**

These filler valves are designed for horizontal and vertical LPG containers. All the valves are equipped with an antifilling prevention device. Always specify type of tank (horizontal or vertical) diameter of the tank and location of the filler valve in the flange of the tank.

---

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank Connection</th>
<th>Filler Connection</th>
<th>Wrench flat size</th>
<th>Specify tank dimension when ordering</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1101</td>
<td>1 1/4&quot; MNPT</td>
<td>1 3/4 ACME</td>
<td>1 3/4&quot;</td>
<td>*</td>
</tr>
<tr>
<td>66.1106</td>
<td>1 1/4&quot; NGT</td>
<td>1 3/4 ACME</td>
<td>1 3/4&quot;</td>
<td>*</td>
</tr>
<tr>
<td>66.1093</td>
<td>1 1/4&quot; NPT</td>
<td>1 3/4 ACME</td>
<td>1 3/4&quot;</td>
<td>*</td>
</tr>
</tbody>
</table>
**APPLICATION**

These filler valves fitted with an OPD device are suitable for direct filling automotive applications. Both these valves incorporate standard 1” 1/4 Hex wrench flat that allowing easy installation from the top with a socket wrench.

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank Connection</th>
<th>Filler Connection</th>
<th>Wrench flat size</th>
<th>Specify tank dimension when ordering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>66.1115</strong></td>
<td>3/4” NPT</td>
<td>1 3/4 ACME</td>
<td>1 1/4”</td>
<td>*</td>
</tr>
<tr>
<td><strong>66.1154</strong></td>
<td>3/4” NPT</td>
<td>1 3/4 ACME</td>
<td>1 1/4”</td>
<td>*</td>
</tr>
<tr>
<td><strong>66.1157</strong></td>
<td>3/4” NPT</td>
<td>1/2” SAE</td>
<td>1 1/16”</td>
<td>*</td>
</tr>
</tbody>
</table>
Internal Pressure Relief Valves for ASME and DOT Containers

Designed specifically for use as a primary pressure relief device on ASME containers up to 2000 gallons water capacity. Furnished with rain cap for protection against contamination.

See ordering information for part numbers. All these valves have a pre-applied sealant on the container connection. Most of these valves are ASME approved.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Start to Discarge Setting PSI</th>
<th>UL (at 120% of set pressure) Flow capacity SCFM/AIR</th>
<th>ASME (at 120% of set pressure) Flow capacity SCFM/AIR</th>
<th>Wrenching Hex</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1129 NEW 66.1029 OLD</td>
<td>1&quot;-NPT</td>
<td>250</td>
<td>2662 2757</td>
<td>2396 2493</td>
<td>1 7/8&quot; NEW 1 3/4&quot;</td>
</tr>
<tr>
<td>66.1130 NEW 66.1031 OLD</td>
<td>1-1/4&quot;-NPT</td>
<td>250</td>
<td>4372 4312</td>
<td>3934 3913</td>
<td>2 3/8&quot; NEW 2 1/4&quot;</td>
</tr>
<tr>
<td>66.1058</td>
<td>1&quot;-NPT</td>
<td>312</td>
<td>1109</td>
<td>979</td>
<td>1 5/16&quot;</td>
</tr>
<tr>
<td>66.1135 NEW 66.1057 OLD</td>
<td>1&quot;-NPT</td>
<td>250</td>
<td>1074 864</td>
<td>967 786</td>
<td>1 5/16&quot;</td>
</tr>
<tr>
<td>66.1127</td>
<td>1&quot;-NPT</td>
<td>375</td>
<td>1491</td>
<td>n/a</td>
<td>1 5/16&quot;</td>
</tr>
<tr>
<td>66.1162</td>
<td>3/4&quot;-NPT</td>
<td>312</td>
<td>690</td>
<td>690</td>
<td>1 1/16&quot;</td>
</tr>
<tr>
<td>66.1132</td>
<td>1&quot;-NPT</td>
<td>375</td>
<td>1491</td>
<td>n/a</td>
<td>1 5/16&quot;</td>
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</tbody>
</table>
Rain caps for Internal Pressure Relief valves
Vinyl or plastic

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Type for</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1029</td>
<td>30.0.110.0273 - 10.0.110.5033 - 10.0.950.0204</td>
</tr>
<tr>
<td>66.1030</td>
<td>30.0.110.0274 - 10.0.110.5036</td>
</tr>
<tr>
<td>66.1128</td>
<td>30.0.110.0274 - 10.0.950.0203</td>
</tr>
<tr>
<td>66.1031</td>
<td>30.0.110.0276 - 10.0.110.5037 - 10.0.950.0205</td>
</tr>
<tr>
<td>66.1057</td>
<td>10.0.110.5038</td>
</tr>
<tr>
<td>66.1058</td>
<td>10.0.110.5038</td>
</tr>
<tr>
<td>66.1127</td>
<td>10.0.110.5038</td>
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<tr>
<td>66.1135</td>
<td>10.0.110.5038</td>
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<tr>
<td>66.1162</td>
<td>10.0.110.5056</td>
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<tr>
<td>66.1027</td>
<td>10.0.110.5056</td>
</tr>
<tr>
<td>66.0248</td>
<td>10.0.110.5056</td>
</tr>
</tbody>
</table>
Internal Pressure Relief Valves for DOT fork lift Cylinders

**66.1027**
66.0.290.1027
Designed specifically for use as primary relief valve on fork lift cylinders. A 45° deflector adapter is already included into the body of the valve. The design of the valve is a one-piece hot forged brass body.

**66.0248**
66.0.290.0248
Designed specifically for use as primary relief valve on fork lift cylinders. Specific protective cap is provided with 66-0248. See ordering information for part numbers.

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Start to Discharge Setting (PSI)</th>
<th>UL (at 120% of set pressure) Flow capacity SCFM/AIR</th>
<th>Wrenching Hex</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>66.1027</strong></td>
<td>3/4&quot; NPT</td>
<td>375</td>
<td>400</td>
<td>1 1/16&quot;</td>
</tr>
<tr>
<td><strong>66.0248</strong></td>
<td>3/4&quot; NPT</td>
<td>375</td>
<td>400</td>
<td>1 1/16&quot;</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.
Service Valves for DOT Fork Lift and ASME Motor Fuel containers

APPLICATION
These valves are designed for vapor or liquid withdrawal service on DOT fork lift truck containers (80-2064) and ASME containers (all the others). All these valves are equipped with an excess flow limiter with different settings. Since these valves do not have an integrated pressure relief valve they may only be used as an accessory valve on containers that have an independent PRV suitable for that container capacity (like 66.0248 or 66.1057 or 66.1058 see page pressure relief valves).

FEATURES
All these valves are supplied with preapplied sealant on the inlets. The 80.2064 has also preapplied sealant on the outlet.

Double O-ring Stem Seal - Two O-rings form the stem seal for improved resistance to leakage due to dirt or temperature extremes.

Tamperproof Design - Travel stop keeps handwheel from being removed, helps to prevent tampering. Also prevents removal of the stem and provides an additional seal against gas leakage.

Sturdy QualiHandwheel Brass Handle - Large, sturdy brass handwheel and stem threads less likely to be broken, even with rough handling.

Static Seat Disc - Since the seat disc does not rotate, abrasive wear on the disc is eliminated, improving service life.

Recessed Excess Flow Valve - The recessed excess flow valve helps reduce the possibility of mechanical damage or fouling from excess pipe compound.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Outlet Connection</th>
<th>Normal Application</th>
<th>Excess Flow Closing</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.2063</td>
<td></td>
<td>3/8” SAE Flare (70)</td>
<td>ASME Motor Fuel</td>
<td>3.3 GPM</td>
</tr>
<tr>
<td>80.2062</td>
<td>3/4” M.NGT</td>
<td>3/8” SAE Flare (90)</td>
<td>ASME Motor Fuel</td>
<td>3.3 GPM</td>
</tr>
<tr>
<td>80.2146</td>
<td></td>
<td>POL (CGA 510)</td>
<td>ASME Motor Fuel</td>
<td>1.5 GPM</td>
</tr>
<tr>
<td>80.2064</td>
<td></td>
<td>3/8-18 NPT</td>
<td>DOT Forklift</td>
<td>2.6 GPM</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.

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Lift Truck Connectors

These brass connectors are designed to join the carburator fuel line to the service valve on FLT.

66.1024
66.0.290.1024
Half coupling ACME.
For installation on LP gas engine fuel lift truck service valves.

66.1023
66.0.290.1023
Female coupling ACME.
- For installation on the carburator fuel line.
- Both connectors automatically close when disconnected.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>INLET A</th>
<th>OUTLET B</th>
<th>Normal Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1024</td>
<td>3/8” F.NPT</td>
<td>1 1/4” M.ACME</td>
<td>Service Valve</td>
</tr>
<tr>
<td>66.1023</td>
<td>1 1/4” F.ACME</td>
<td>1/4” F.NPT</td>
<td>Fuel Line</td>
</tr>
</tbody>
</table>

Fixed Liquid Level Gauges

66.1072
66.0.290.1072
Special DT length can be ordered apart.
An optional instruction plate may be ordered for use with these valves.
All these valves incorporate a N° 54 drill size orifice.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container connection</th>
<th>DT length</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1072</td>
<td>1/4” M.NPT</td>
<td>12”</td>
</tr>
<tr>
<td>66.1116</td>
<td>1/4” M.NPT</td>
<td>5,4”</td>
</tr>
<tr>
<td>66.1117</td>
<td>1/4” M.NPT</td>
<td>6,6”</td>
</tr>
<tr>
<td>66.1118</td>
<td>1/4” M.NPT</td>
<td>3,8”</td>
</tr>
<tr>
<td>66.1119</td>
<td>1/4” M.NPT</td>
<td>4,1”</td>
</tr>
<tr>
<td>66.1120</td>
<td>1/4” M.NPT</td>
<td>5,6”</td>
</tr>
<tr>
<td>66.1121</td>
<td>1/4” M.NPT</td>
<td>6,9”</td>
</tr>
<tr>
<td>66.1124</td>
<td>1/4” M.NPT</td>
<td>Without</td>
</tr>
<tr>
<td>66.1125</td>
<td>1/4” M.NPT</td>
<td>5,2”</td>
</tr>
<tr>
<td>66.1161</td>
<td>1/4” M.NPT</td>
<td>–</td>
</tr>
</tbody>
</table>
All these valves are designed for liquid withdrawal from stationary containers.

**Liquid Withdrawal Valves with excess flow**

69.0010

- **UL LISTED**
- 69.0.190.0010
- This new liquid withdrawal valve is designed to provide withdrawing liquid from stationary tank prior to moving the tank. This valve can also be used on permanent installations being equipped with excess flow limiter. Designed according to the latest UL standard.

66.1109

- **UL LISTED**
- 66.0.290.1109
- This adapter is designed to be used with 69.0010 liquid withdrawal valve. Fully compatible with the new evacuation valves on the market.

66.1025

- **UL LISTED**
- 66.0.290.1025
- Liquid withdrawal valve with excess flow valve. The valve can also be used with one transfer shut off valve RRL16 with an adapter.

69.0017

- **UL LISTED**
- 69.0.190.0017
- Liquid withdrawal with Excess Flow Valve
- Performance: excess flow closes 25.5±3 m³/h (water); residual flow ≤ 0.020 m³/h (water) with ∆P +1 bar

---

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Outlet Connection</th>
<th>U.L. Closing Flow (Propane)</th>
<th>Wrenching Hex (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>69.0010</td>
<td>3/4&quot; MNPT</td>
<td>5/8 FNPT</td>
<td>20GPM</td>
<td>1 15/16&quot;</td>
</tr>
<tr>
<td>66.1109</td>
<td>15/8&quot; UNF</td>
<td>3/42 UNF</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>66.0017</td>
<td>1&quot; 1/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
<td>n/a</td>
<td>1 3/4&quot;</td>
</tr>
<tr>
<td>66.1025</td>
<td>3/4&quot; MNPT</td>
<td>3/4&quot; NPT</td>
<td>18.5 GPM</td>
<td>1 3/8&quot;</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.
Service Valves for ASME and DOT containers or fuel line application

80.3135
Designed especially for vapor withdrawal service on ASME an dot containers. Since this valve has no integral pressure relief valve they may only be used as an accessory valve on containers that have an independent pressure relief valve sufficient for that container’s capacity. This valve can be used also as a service valve on a 420lbs tank or a 300lts horizontal tank. This valve also incorporate a fixed liquid level gauge. Specify DT length when ordering.

80.1002
80.0.290.1002
Open-close valve with POL outlet. Designed for vapor withdrawal on small cylinders.

FEATURES
Double O-ring Stem Seal - Two O-rings form the stem seal for improved resistance to leakage due to dirt or temperature extremes.

Sturdy QualiHandwheel Brass Handle - New large sturdy brass handwheel and stem threads less likely to be broken, even with rough handling. Reparable design based upon reques.

Static Seat Disc - Since the seat disc does not rotate, abrasive wear on the disc is eliminated, improving service life.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank Connection</th>
<th>Vapor Service Connection</th>
<th>Fixed Liquid Level Gauge</th>
<th>Fixed Level Gauge DT light</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.3135</td>
<td>3/4&quot; NGT</td>
<td>POL CGA 510</td>
<td>Not captive</td>
<td>11,1”</td>
</tr>
<tr>
<td>80.3144</td>
<td>3/4&quot; NGT</td>
<td>POL CGA 510</td>
<td>Not captive</td>
<td>5,8”</td>
</tr>
<tr>
<td>80.1002</td>
<td>3/4&quot; NGT</td>
<td>POL CGA 510</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>80.3149</td>
<td>3/4&quot; NGT</td>
<td>POL CGA 510</td>
<td>Not captive</td>
<td>11,0”</td>
</tr>
</tbody>
</table>
Service Valves for DOT Cylinders

**80.6032**
80.0.790.6032
Heavy duty POL valve with pressure relief valve for 200 lbs propane cylinders. Different DT length.

**80.5024**
80.0.690.5024
DOT cylinder valve for vapor withdrawal up to 100 lbs or 45 kg LPG capacity.

**80.5016**
80.0.690.5016
Dot cylinder valve for vapour withdrawal up to 100 Lbs or LPG Capacity. Specify dip-tube lengths when ordering.

**80.6033**
80.0.790.6033
Heavy duty POL valve with pressure relief valve for 200 lbs propane cylinders.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Cylinder Connection</th>
<th>Outlet Connection</th>
<th>Normal Application</th>
<th>Liquid Level Gauge</th>
<th>DT length</th>
<th>Relief Setting</th>
<th>Ul rated discharge flow capacity (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>88.6033</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT Cylinder up to 500 lbs</td>
<td>No</td>
<td>375</td>
<td>765</td>
<td></td>
</tr>
<tr>
<td>80.6032</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT Cylinder up to 500 lbs</td>
<td>Yes</td>
<td>10,6&quot;</td>
<td>375</td>
<td>765</td>
</tr>
<tr>
<td>80.5024</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>Service valve on DOT</td>
<td>No</td>
<td>---</td>
<td>375</td>
<td>366</td>
</tr>
<tr>
<td>80.5016</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT up to 240 lbs</td>
<td>Yes</td>
<td>10,6&quot;</td>
<td>375</td>
<td>366</td>
</tr>
<tr>
<td>80.5054</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT up to 240 lbs</td>
<td>Yes</td>
<td>9,6&quot;</td>
<td>375</td>
<td>366</td>
</tr>
<tr>
<td>80.5071</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT up to 240 lbs</td>
<td>Yes</td>
<td>5,6&quot;</td>
<td>375</td>
<td>366</td>
</tr>
<tr>
<td>80.5072</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT up to 240 lbs</td>
<td>Yes</td>
<td>8,7&quot;</td>
<td>375</td>
<td>366</td>
</tr>
<tr>
<td>80.5066</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>DOT up to MPS GAS 280 lbs</td>
<td>Yes</td>
<td>---</td>
<td>405</td>
<td>478</td>
</tr>
<tr>
<td>80.5070</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs MPS GAS</td>
<td>Yes</td>
<td>10,7</td>
<td>405</td>
<td>478</td>
</tr>
<tr>
<td>80.5069</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs MPS GAS</td>
<td>Yes</td>
<td>10</td>
<td>405</td>
<td>478</td>
</tr>
<tr>
<td>80.5068</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs MPS GAS</td>
<td>Yes</td>
<td>9,4</td>
<td>405</td>
<td>478</td>
</tr>
<tr>
<td>80.5067</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs MPS GAS</td>
<td>Yes</td>
<td>8,7</td>
<td>405</td>
<td>478</td>
</tr>
<tr>
<td>80.5058</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs PROPYLENE</td>
<td>Yes</td>
<td>10,2</td>
<td>390</td>
<td>460</td>
</tr>
<tr>
<td>80.5082</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs PROPYLENE</td>
<td>Yes</td>
<td>9,1</td>
<td>390</td>
<td>460</td>
</tr>
<tr>
<td>80.5081</td>
<td>3/4&quot; NGT</td>
<td>Female POL (CGA 510)</td>
<td>280 lbs PROPYLENE</td>
<td>Yes</td>
<td>7,4</td>
<td>390</td>
<td>460</td>
</tr>
</tbody>
</table>
These Type 1 ACME valves (CGA791) are intended for DOT cylinders up to 40 pounds LP Gas capacity, (96 pounds water capacity), LP Gas service. This valve has a vapor service outlet, relief valve, captive fixed liquid level gauge, and an overfill prevention device (OPD).

**NEW OVERFILL PREVENTION DEVICE MOD. P1120**

**FEATURES**

- Rapid Purging and filling with over One million BTU Withdrawal Capacity
- Steel Safety Cage provides long-term Operational Protection
- Tri-lobular one-piece forged brass handwheel
- Double “O-Ring” stem seal for improved leak resistance
- Includes Ever Seal sealant (pre-applied)
- Quad “O-Ring” check valve seat, opens only with positive seal
- High capacity BTU withdrawal allows fast purging and filling
- Upward spray filling - eliminates premature shutoffs
- Steel safety cage surrounding critical welds - provides additional protections to components

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cylinder Cap.</th>
<th>Container Conn.</th>
<th>Outlet Conn.</th>
<th>Relief Setting</th>
<th>Dip Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.8107</td>
<td>20lbs</td>
<td>3/4&quot;-14 NGT</td>
<td>Type 1 ACME and POL</td>
<td>375 PSIG</td>
<td>4.0&quot;</td>
</tr>
<tr>
<td>80.8109</td>
<td>30lbs</td>
<td>3/4&quot;-14 NGT</td>
<td>Type 1 ACME and POL</td>
<td>375 PSIG</td>
<td>4.8&quot;</td>
</tr>
<tr>
<td>80.8110</td>
<td>40lbs</td>
<td>3/4&quot;-14 NGT</td>
<td>Type 1 ACME and POL</td>
<td>375 PSIG</td>
<td>6.5&quot;</td>
</tr>
<tr>
<td>80.8123</td>
<td>14lbs</td>
<td>3/4&quot;-14 NGT</td>
<td>Type 1 ACME and POL</td>
<td>375 PSIG</td>
<td>3.2&quot;</td>
</tr>
<tr>
<td>80.2124</td>
<td>20lbs</td>
<td>3/4&quot;-14NGT</td>
<td>Type 1 ACME and POL</td>
<td>375 PSG</td>
<td>3.8&quot;</td>
</tr>
</tbody>
</table>
LPG Float Gauges
Flanged 4 bolt model

These float gauges flanged 4 bolt models includes also a mounting.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>NOMINAL ø Inches</th>
<th>DIAMETER ø mm</th>
<th>TANK type</th>
<th>CONTAINER gallons</th>
<th>CAPACITY litres</th>
<th>DIMENSION (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2069.U</td>
<td>24”</td>
<td>609,60</td>
<td>horizontal</td>
<td>120</td>
<td>454,25</td>
<td>338</td>
</tr>
<tr>
<td>2070.U</td>
<td>30”</td>
<td>762,00</td>
<td>horizontal</td>
<td>250/320</td>
<td>946,35/1.211,328</td>
<td>412</td>
</tr>
<tr>
<td>2071.U</td>
<td>37”</td>
<td>939,80</td>
<td>horizontal</td>
<td>500</td>
<td>1.892,70</td>
<td>510</td>
</tr>
<tr>
<td>2072.U</td>
<td>41”</td>
<td>1.041,40</td>
<td>horizontal</td>
<td>1000</td>
<td>3.785,40</td>
<td>553</td>
</tr>
<tr>
<td>2073.U</td>
<td>48”</td>
<td>1.219,20</td>
<td>horizontal</td>
<td></td>
<td></td>
<td>612</td>
</tr>
<tr>
<td>2075.U</td>
<td>30”</td>
<td>762,00</td>
<td>vertical</td>
<td></td>
<td></td>
<td>640</td>
</tr>
<tr>
<td>2076.U</td>
<td></td>
<td></td>
<td>vertical</td>
<td></td>
<td></td>
<td>560</td>
</tr>
<tr>
<td>2050.U</td>
<td></td>
<td></td>
<td>horizontal</td>
<td></td>
<td></td>
<td>(*)</td>
</tr>
<tr>
<td>205V.U</td>
<td></td>
<td></td>
<td>vertical</td>
<td></td>
<td></td>
<td>(*)</td>
</tr>
</tbody>
</table>

P.s.: MM is the month of manufacture
I.E. 2000/03 = 03-00
AA is the year of manufacture
(*) dimension on request

Magnetic LPG level indicator

Die cast zinc head. Gear assembly: Die cast zinc.
Float: spansil rubber.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>NOMINAL ø Inches</th>
<th>DIAMETER ø mm</th>
<th>TANK type</th>
<th>CONTAINER CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101-3/4</td>
<td>12”</td>
<td>305</td>
<td>horizontal</td>
<td>3/4” NPT</td>
</tr>
<tr>
<td></td>
<td>10 1/22”</td>
<td>368</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Threaded 3/4” model.
Die cast zinc hexagonal head (hex. 50)
Gear made of antivibrating delrin.
Float in spansil rubber.
Dial with reading lying within 140°.

Adviser the cylinder diameter for different request.

The features described in this illustration do not bind the manufacturer.

www.cavagnagroup.com
All level gauges are produced in compliance with CEN TC 286-prEN 13799 standard. The float is made in SPANSIL rubber. This kind of material cannot be detached from his lodge when getting in touch with caustic soda. These level gauges have been manufactured in accordance to the best available technology: a tropicalised zamac has been used both for the head and the gearing.

### Ordering Information

<table>
<thead>
<tr>
<th>Part number</th>
<th>Nominal Ø inches</th>
<th>Diameter Ø mm</th>
<th>Tank type</th>
<th>Container capacity gallons</th>
<th>Capacity litres</th>
<th>Dimension (mm)</th>
<th>Container connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2069.U1&quot;</td>
<td>24&quot;</td>
<td>609,60</td>
<td>horizontal</td>
<td>120</td>
<td>454,25</td>
<td>338  285</td>
<td>1&quot;</td>
</tr>
<tr>
<td>2070.U1&quot;</td>
<td>30&quot;</td>
<td>762,00</td>
<td>horizontal</td>
<td>250/320</td>
<td>946,35/1,211,328</td>
<td>412  360</td>
<td>1&quot;</td>
</tr>
<tr>
<td>2071.U1&quot;</td>
<td>37&quot;</td>
<td>939,80</td>
<td>horizontal</td>
<td>500</td>
<td>1,892,70</td>
<td>510  438</td>
<td>1&quot;</td>
</tr>
<tr>
<td>2072.U1&quot;</td>
<td>41&quot;</td>
<td>1,041,40</td>
<td>horizontal</td>
<td>1000</td>
<td>3,785,40</td>
<td>553  477</td>
<td>1&quot;</td>
</tr>
<tr>
<td>2073.U1&quot;</td>
<td>48&quot;</td>
<td>1,219,20</td>
<td>horizontal</td>
<td></td>
<td></td>
<td>612  535</td>
<td>1&quot;</td>
</tr>
<tr>
<td>2075.U1&quot;</td>
<td>30&quot;</td>
<td>762,00</td>
<td>vertical</td>
<td></td>
<td></td>
<td>640  430</td>
<td>1&quot;</td>
</tr>
<tr>
<td>2076.U1&quot;</td>
<td></td>
<td></td>
<td>vertical</td>
<td></td>
<td></td>
<td>560  477</td>
<td>1&quot;</td>
</tr>
<tr>
<td>20SO.U1&quot;</td>
<td></td>
<td></td>
<td>horizontal</td>
<td></td>
<td></td>
<td>(<em>)  (</em>)</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>20SV.U1&quot;</td>
<td></td>
<td></td>
<td>vertical</td>
<td></td>
<td></td>
<td>(<em>)  (</em>)</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2069.U1 1/4</td>
<td>24&quot;</td>
<td>609,60</td>
<td>horizontal</td>
<td>120</td>
<td>454,25</td>
<td>338  285</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2070.U1 1/4</td>
<td>30&quot;</td>
<td>762,00</td>
<td>horizontal</td>
<td>250/320</td>
<td>946,35/1,211,328</td>
<td>412  360</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2071.U1 1/4</td>
<td>37&quot;</td>
<td>939,80</td>
<td>horizontal</td>
<td>500</td>
<td>1,892,70</td>
<td>510  438</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2072.U1 1/4</td>
<td>41&quot;</td>
<td>1,041,40</td>
<td>horizontal</td>
<td>1000</td>
<td>3,785,40</td>
<td>553  477</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2073.U1 1/4</td>
<td>48&quot;</td>
<td>1,219,20</td>
<td>horizontal</td>
<td></td>
<td></td>
<td>612  535</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2075.U1 1/4</td>
<td>30&quot;</td>
<td>762,00</td>
<td>vertical</td>
<td></td>
<td></td>
<td>640  430</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>2076.U1 1/4</td>
<td></td>
<td></td>
<td>vertical</td>
<td></td>
<td></td>
<td>560  477</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>20SO.U1 1/4</td>
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<td></td>
<td>horizontal</td>
<td></td>
<td></td>
<td>(<em>)  (</em>)</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>20SV.U1 1/4</td>
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<td>vertical</td>
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<td></td>
<td>(<em>)  (</em>)</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

P.s.: MM is the month of manufacture
I.E. 2000/03 = 03-00
(*) dimension on request

AA is the year of manufacture
(A= January, B= February, C= March etc.)
Tank Equipment
Spare Parts

The manufacturer declines all responsibility for incorrect use or application. We recommend to use original parts or to replace the whole valve.

Pressure gauge in glycerine bath. Scale 0-25 bar. Connection: 1/4" NPT.

<table>
<thead>
<tr>
<th>Type connection</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back side</td>
<td>30.0.110.0179</td>
</tr>
<tr>
<td>Radial</td>
<td>30.0.110.0180</td>
</tr>
</tbody>
</table>

Connection devices with excess flow check valve built in to be used with the multivalve GSE 35.
16.0.950.0039 (capacity 50 Kg.)
16.0.950.0052 (capacity 95 Kg.)

Rain caps for Internal Pressure Relief valves

<table>
<thead>
<tr>
<th>Type for</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1029 66.1129</td>
<td>30.0.110.0273 - 10.0.110.5033 - 10.0.950.0204</td>
</tr>
<tr>
<td>66.1030</td>
<td>30.0.110.0274 - 10.0.110.5036</td>
</tr>
<tr>
<td>66.1128</td>
<td>30.0.110.0274 - 10.0.950.0203</td>
</tr>
<tr>
<td>66.1031 66.1130</td>
<td>30.0.110.0276 - 10.0.110.5037 - 10.0.950.0205</td>
</tr>
<tr>
<td>66.1057 66.1058</td>
<td>10.0.110.5032</td>
</tr>
<tr>
<td>66.1127 66.1135</td>
<td>10.0.110.5036</td>
</tr>
<tr>
<td>66.1162</td>
<td>10.0.110.5038</td>
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<tr>
<td>66.1027</td>
<td>10.0.110.5036</td>
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<tr>
<td>66.0248</td>
<td>10.0.110.5038</td>
</tr>
</tbody>
</table>

Connection for steel pipe (to be welded), applicable to RL 15 - RL 25 Cylinder Valves.
16.0.950.0026

Plug with gasket for Liquid Withdrawal Valve.

<table>
<thead>
<tr>
<th>Type for</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>VLT 18 - VL 13</td>
<td>10.0.950.0080</td>
</tr>
<tr>
<td>VLF 14 - VLF 25</td>
<td>10.0.950.0082</td>
</tr>
<tr>
<td>66.1025</td>
<td>10.0.950.0044</td>
</tr>
<tr>
<td>69.0010</td>
<td>10.0.950.0128</td>
</tr>
</tbody>
</table>
Plastic cap with ACME threading. Caps with ACME threading also available in brass.

<table>
<thead>
<tr>
<th>Type for</th>
<th>Part number</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRN14/20</td>
<td>10.0.950.0064</td>
<td>blue</td>
</tr>
<tr>
<td>GSE 35/38</td>
<td>10.0.950.0062</td>
<td>blue</td>
</tr>
<tr>
<td>66.1026</td>
<td>10.0.950.0053</td>
<td>yellow</td>
</tr>
<tr>
<td>66.1028</td>
<td>10.0.950.0053</td>
<td>yellow</td>
</tr>
<tr>
<td>66.1104</td>
<td>10.0.950.0053</td>
<td>yellow</td>
</tr>
<tr>
<td>66.1073</td>
<td>10.0.950.0053</td>
<td>yellow</td>
</tr>
</tbody>
</table>

Rubber gasket for ACME thread cap.

<table>
<thead>
<tr>
<th>Type for</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRN20</td>
<td>04.0.110.2565</td>
</tr>
<tr>
<td>GSE</td>
<td>04.0.110.2578</td>
</tr>
<tr>
<td>66.1026</td>
<td>04.0.110.2565</td>
</tr>
<tr>
<td>66.1028</td>
<td>04.0.110.2565</td>
</tr>
<tr>
<td>66.1104</td>
<td>04.0.110.2565</td>
</tr>
<tr>
<td>66.1073</td>
<td>04.0.110.2565</td>
</tr>
</tbody>
</table>

Bonded seals for external safety valves with cylindrical thread.

<table>
<thead>
<tr>
<th>Type for</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU 20</td>
<td>04.0.110.2573</td>
</tr>
<tr>
<td>EU 25</td>
<td>04.0.110.2570</td>
</tr>
<tr>
<td>EU 30</td>
<td>04.0.110.2574</td>
</tr>
<tr>
<td>VS 36</td>
<td>04.0.110.2588</td>
</tr>
<tr>
<td>VS 45</td>
<td>04.0.110.2587</td>
</tr>
</tbody>
</table>

Plastic rain caps for external safety relief valves.

<table>
<thead>
<tr>
<th>Type for</th>
<th>Colour White</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU 19</td>
<td>10.0.110.5012</td>
</tr>
<tr>
<td>EU 24</td>
<td>10.0.110.5011</td>
</tr>
<tr>
<td>EU 29</td>
<td>10.0.110.5013</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type for</th>
<th>Colour Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU 20</td>
<td>10.0.110.5016</td>
</tr>
<tr>
<td>EU 25</td>
<td>10.0.110.5014</td>
</tr>
<tr>
<td>EU 30</td>
<td>10.0.110.5015</td>
</tr>
</tbody>
</table>
The features described in this illustration do not bind the manufacturer.
FLOAT GAUGE
(Refert to pages 14-15)

RELIEF VALVES
(depending on the tank size)
66.1128 66.1129 66.1130

LIQUID WITHDRAWAL VALVE
69.0010

MULTISERVICE VALVE
67.0720

FILLER VALVE
66.1232 or 66.1106

67.0807

The features described in this illustration do not bind the manufacturer.
DOT fork lift truck containers

- **FLOAT GAUGE**
- **SERVICE VALVE 80.2064**
  - CONNECTOR 66.1024
  - CONNECTOR 66.1023
- **SAFETY RELIEF VALVE 66.0248**
- **FILLER VALVE 66.1122**
- **FIXED LEVEL GAUGE Various DT lengths**

The features described in this illustration do not bind the manufacturer.

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Motor Fuel Tanks

APPLICATIONS

Motor Fuel Tanks

FILLER VALVE
66.1122

SERVICE VALVE
80.2062 or
80.2063

80.2146

SAFETY RELIEF VALVE
66.1135 - 66.1162 ASME

FILLER VALVE
with OPD

66.1154

66.1157

FIXED LEVEL GAUGE
Various DT lengths

80.2146

66.1154

66.1157
EUROPEAN
LPG TANK EQUIPMENT
**Multiservice Valves**

**GS 50**
- **Part numbers:** 67.0775 (above gr.), 67.0792 (undergr.)
- **Multiservice Valve** equipped with a pressure gauge in glycerine bath, 0-25 bar scale, and a fixed level gauge to ensure 80% of tank filling. It incorporates an excess flow valve, which closes when the flow reaches a rate of 37,5-45 Kg/h propane (a first stage propane regulator with 40 Kg/h capacity and 1,5 bar setting point can be attached).

**GSE 35**
- **Part numbers:** 67.0776 (above gr.), 67.0794 (undergr.)
- **Multiservice Valve** equipped with a pressure gauge in glycerine bath, 0-25 bar scale, and a fixed level gauge to ensure 80% of tank filling. It allows optional installation of an outlet device with excess flow.

**GS 41**
- **Part number:** 67.0773 (above gr.)
- **Multiservice Valve** with vertical outlet and fixed liquid level tube which ensures 85% max. filling of the tank. It incorporates an excess flow valve, which closes when the flow reaches a rate of 42-54 Kg/h propane (a first stage propane regulator with 40 Kg/h capacity and 2 bar setting point can be attached).

**GS 89**
- **Part number:** 67.0774 (above gr.)
- **Multiservice Valve** with vertical outlet and fixed liquid level tube which ensures 85% max. filling of the tank. It incorporates an excess flow valve, which closes when the flow reaches a rate of 42-54 Kg/h propane (a first stage propane regulator with 40 Kg/h capacity and 2 bar setting point can be attached).

**GS 90**
- **Part number:** 67.0796 (above gr.)
- **Multiservice Valve** with vertical outlet. It incorporates an excess flow valve, which closes when the flow reaches a rate of 42-54 Kg/h propane (a first stage propane regulator with 40 Kg/h capacity and 2 bar setting point can be attached). It is a special underground fitting equipped with a pressure relief device that enables liquid discharge at 14 bar.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Outlet Connection</th>
<th>Excess flow device</th>
<th>Closing Flow-CE</th>
<th>Wrench Grip (mm)</th>
<th>Fixed level gauges</th>
<th>Master gauge insp. flange</th>
<th>Relief devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.0775 (GS 50 above gr.), 67.0792 (GS 50 undergr.)</td>
<td>3/4” – 14 NPT for both</td>
<td>W20x 1/14” LH for both</td>
<td>Inlet Built-in for both</td>
<td>Between</td>
<td>30 (square) for both</td>
<td>Available on all types with tubes in different lengths**</td>
<td>Yes</td>
<td>N/a</td>
</tr>
<tr>
<td>67.0776 (GSE 35 above gr.), 67.0794 (GSE 35 undergr.)</td>
<td>3/4” – 14 NPT for both</td>
<td>885” – 14 NGO-LH-INT for both</td>
<td>Installed onto outlet connector</td>
<td>42-54 Kg/h propane (1)</td>
<td>40 (hex.)</td>
<td>N/a</td>
<td>N/a</td>
<td></td>
</tr>
<tr>
<td>67.0773 (GS 41 above gr.)</td>
<td>3/4” – 14 NPT</td>
<td>UNI ISO 228/1-G 3/4-B</td>
<td>Inlet Built-in</td>
<td></td>
<td>40 (hex.)</td>
<td>N/a</td>
<td>N/a</td>
<td></td>
</tr>
<tr>
<td>67.0774 (GS 89 above gr.)</td>
<td>1 1/4”– 11.5 NPT</td>
<td>UNI ISO 228/1-G 3/4-B</td>
<td>Inlet Built-in</td>
<td>42-54 Kg/h propane (1)</td>
<td>40 (hex.)</td>
<td>N/a</td>
<td>N/a</td>
<td></td>
</tr>
<tr>
<td>67.0796 (GS 90 undergr.)</td>
<td>1 1/4”– 11 1/2 NPT</td>
<td>UNI ISO 228/1-G 3/4-B</td>
<td>Inlet Built-in</td>
<td></td>
<td>40 (hex.)</td>
<td>N/a</td>
<td>Liquid pressure relief valve(2)</td>
<td></td>
</tr>
</tbody>
</table>

* see page 5, item 16.0.950.0039/0052. Two models depending on the capacity required – please specify when ordering
** please specify length of dip tube, tank capacity and diameter when ordering
(1) Data valid when upstream pressure 2 bar and first stage 40 kg/h regulator connected – excess flow valve performance.
(2) Pressure relief device designed to discharge liquid in case of overpressure – The device starts to discharge liquid at 14 bar with a capacity of 1500 lt/h water.

*The features described in this illustration do not bind the manufacturer.*
Compact Underground Tank Set
Spare a bung drill in your tank with this new concept installation set that makes the use of bulky pressure relief devices needless.

1 - FLOAT GAUGE
2 - LIQUID WITHDRAWAL VALVE
3 - MULTISERVICE VALVE
4 - FILLER VALVE
5 - FIRST STAGE REGULATOR
6 - SECOND STAGE REGULATOR
7 - APPLICATIONS

New Concept
Easy On
Low Impact

Mod. GS-90 - 67.0796 (undergr.)
Multiservice Valve (See page Ae1)

Mod. VRN-SL - 66.1101
Extended filler valve designed with an 80% automatic overfilling prevention device. (See page Be3)

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**FEATURES**

**Double Back Check Construction** - All Omeca filler valves are of the double back check construction where there are: (1) a soft seated up back check, and (2) a metal-to-metal lower back check seat.

**Efficient Flow Characteristics** - The efficient flow channel design of the valves gives low flow resistance, prolonging pump and hose life, and high filling capacity.

**Two Piece Body Design**

- All valves are CE approved
- Smaller filling upper chamber to avoid waste of liquid propane during every filling operation
- **VRN 20L - 66.1063** is designed to make underground tank installations more accessible to fillers.

**Note:** For replacement components, please refer to the end of the section.

66.1043 and 66.1063 are furnished with plastic blue caps with strap. 66.1051 is furnished with solid metal cap in brass.

- All our filler valves have a filling capacity $\geq 8 \text{ m}^3$ water $\Delta p= 4 \text{ bar}$.

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank connection</th>
<th>Filler connection</th>
<th>Wrench Hex Flats</th>
<th>10 PSI</th>
<th>25PSI</th>
<th>50 PSI</th>
<th>75 PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1051 (VRN 90)</td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
<td>58</td>
<td>98</td>
<td>146</td>
<td>186</td>
</tr>
<tr>
<td>66.1063 (VRN 20L)</td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
<td>54</td>
<td>100</td>
<td>148</td>
<td>190</td>
</tr>
<tr>
<td>66.1043 (VRN 20)</td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - MALE ACME</td>
<td>1 3/4&quot;</td>
<td>54</td>
<td>100</td>
<td>148</td>
<td>190</td>
</tr>
</tbody>
</table>
Features

• Both these valves are double check filler valves where there are a soft seated upper back check and a (2) metal to metal lower back check seat.

• In addition these filler valves incorporate an emergency ball shut-off valve.

• These two versions can be used either for underground (VRN 88) or above ground LPG tanks (VRN 93) thanks to an oriented easy to connect design to the bobtail delivery truck.

• Both valves are conforming British standards.

• All our filler valves have a filling capacity $\geq 8$ m$^3$ water $\Delta p = 4$ bar.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank connection</th>
<th>Filler connection</th>
<th>Wrench Hex Flats</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.0221 (VRN 93)</td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
</tr>
<tr>
<td>67.0681 (VRN 88)</td>
<td>1 1/4 - NPT</td>
<td>1 3/4 - 6 ACME</td>
<td>Es. 46 mm</td>
</tr>
</tbody>
</table>
**Filler Valves with Overfilling Prevention Device**

**66.1101**
Filler valve suitable for underground tank. The extended body allows an easier refilling operation.

**66.1106**
Filler valve with high flow capacity suitable for above ground containers. Specify tank size when ordering.

**VRN SC-1200**
66.1093
As the other valves that incorporates an OPD, this filler has in addition an extended filler valve with ball shut-off valve manually operated.

**APPLICATION**
These filler valves are designed for horizontal and vertical LPG containers. All the valves are equipped with an antifilling prevention device. Always specify type of tank (horizontal or vertical) diameter of the tank and location of the filler valve in the flange of the tank.

- All our filler valves have a filling capacity $\geq 8 \text{ m}^3$ water $\Delta p = 4 \text{ bar}$.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Tank Connection</th>
<th>Filler Connection</th>
<th>Wrench flat size</th>
<th>Specify tank dimension when ordering</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.1101</td>
<td>1 1/4&quot; MNPT</td>
<td>1 3/4 ACME</td>
<td>1 3/4&quot;</td>
<td>*</td>
</tr>
<tr>
<td>66.1106</td>
<td>1 1/4&quot; NGT</td>
<td>1 3/4 ACME</td>
<td>1 3/4&quot;</td>
<td>*</td>
</tr>
<tr>
<td>66.1093</td>
<td>1 1/4&quot; NPT</td>
<td>1 3/4 ACME</td>
<td>1 3/4&quot;</td>
<td>*</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.
External Pressure Relief Valves

Designed for use as primary relief valves on ground and underground tanks.

**EU 19**
70.0014 Pressure relief valve with conical thread between valve and lower check valve. Setting point: 17.65 bar.

**EU 20**
70.0026 Pressure relief valve with cylindrical thread to be used in connection with the lower check valve. Tightness assured by bonded seal. Setting point: 17.65 bar.

**EU 30**
70.0004 Pressure relief valve with cylindrical thread to be used in connection with the lower check valve. Tightness assured by bonded seal. Setting point: 17.65 bar.

**EU 24**
70.0008 Pressure relief valve with conical thread between valve and lower check valve. Setting point: 17.65 bar.

**EU 25**
70.0205 Safety relief valve with cylindrical thread to be used in connection with the lower check valve. Tightness assured by bonded seal. Setting point: 17.65 bar.

**EU 30**
70.0004 Safety relief valve with cylindrical thread to be used in connection with the lower check valve. Tightness assured by bonded seal. Setting point: 17.65 bar.

**ST 19**
71.0005

**ST 20**
71.0016

**ST 30**
71.0004

**ST 24**
71.0010

**ST 25**
71.0000

**ST 32**
71.0011

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number*</th>
<th>Bottom Male Connection</th>
<th>Wrench grip hexagon (mm)</th>
<th>Thread type</th>
<th>Configuration suitable for this tank capacity</th>
<th>PRV - Start to Discharge Setting (bar)</th>
<th>PRV - OVERPRESSURE 10% CAPACITY Nm³/min.</th>
<th>Approval</th>
<th>PRV Orifice (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70.0014 (EU 19) - PRV</td>
<td>3/4&quot; - 14 NPT</td>
<td>46</td>
<td>x</td>
<td>1000 lit</td>
<td>Basic setting 17,65**</td>
<td>41,00</td>
<td>19,00</td>
<td></td>
</tr>
<tr>
<td>71.0005 (ST 19) - CLD</td>
<td>1 1/4&quot; NPT</td>
<td>46</td>
<td>x</td>
<td>41,00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70.0026 (EU 20) - PRV</td>
<td>3/4&quot; NPSM</td>
<td>46</td>
<td>x</td>
<td>3000/5000 lit</td>
<td>17,65**</td>
<td>107,00</td>
<td>CE***</td>
<td>29,50</td>
</tr>
<tr>
<td>71.0016 (ST 20) - CLD</td>
<td>1 1/2&quot; NPT</td>
<td>56</td>
<td>x</td>
<td>107,00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70.0004 (EU 30) - PRV</td>
<td>1 1/4&quot; NPSM</td>
<td>60</td>
<td>x</td>
<td>78,00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71.0004 (ST 30) - CLD</td>
<td>1 1/2&quot; NPT</td>
<td>60</td>
<td>x</td>
<td>78,00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70.0008 (EU 24) - PRV</td>
<td>1&quot; NPT</td>
<td>60</td>
<td>x</td>
<td>78,00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71.0100 (ST 24) - CLD</td>
<td>1 1/4&quot; NPT</td>
<td>60</td>
<td>x</td>
<td>78,00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70.0205 (EU 25) - PRV</td>
<td>1&quot; NPSM</td>
<td>60</td>
<td>x</td>
<td>23,50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71.0000 (ST 25) - CLD</td>
<td>1 1/4&quot; NPT at 1&quot; NPT</td>
<td>46</td>
<td>x</td>
<td>23,50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70.0004 (EU 30) - PRV</td>
<td>1 1/4&quot; NPSM</td>
<td>60</td>
<td>x</td>
<td>23,50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71.0011 (ST 32) - CLD</td>
<td>2&quot; NPT</td>
<td>60</td>
<td>x</td>
<td>23,50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OVERALL NOTE: All our configurations PRV+CLD are suitable for a temperature range [°C] – 40 ÷ 65.

* PRV = Pressure Relief Valve and CLD = Check-lock Device
** please specify your requested setting pressure when ordering – various setting points available.
*** please enquiry our sales department for further local approvals – several national approvals available.

The features described in this illustration do not bind the manufacturer.
External Pressure Relief Valves

**VS 60**

70.0080

Safety relief valve with big capacity.

**EU 29**

70.0016

Pressure relief valve with conical thread between valve and lower check valve. Setting point: 17,65 bar.

**ST 29**

71.0015

Pressure relief valve for small containers and on-line pipe installations. Setting point: 17,24 bar.

**66.1139**

Pressure relief valve with a lower check valve available with different inlet threads.

**ST 36**

71.0190.0026

Pressure relief valve with a lower check valve.

**ST 45**

71.0030

Pressure relief valve for small containers and on-line pipe installations. Setting point: 25,85 bar.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part Number*</th>
<th>Bottom Male Connection</th>
<th>Wrench grip hexagon (mm)</th>
<th>Thread type taper</th>
<th>Configuration suitable for tank capacity: Nm³/min.</th>
<th>PRV - Start to Discharge Setting (Bar)</th>
<th>PRV+OVERPRESSURE 10% CAPACITY (if not specified otherwise)</th>
<th>Approval</th>
<th>PRV Orifice (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70.0080 (VS 60) - PRV</td>
<td>2 1/2&quot; NPT</td>
<td>110</td>
<td>x</td>
<td>-</td>
<td>10000 lt. basic 17,65</td>
<td>260,00</td>
<td>CE***</td>
<td>45,00</td>
</tr>
<tr>
<td>70.0016 (EU 29) - PRV</td>
<td>1 1/4&quot; NPT</td>
<td>68</td>
<td>x</td>
<td>-</td>
<td>3000/5000 lt. basic 17,65</td>
<td>107,00</td>
<td></td>
<td>29,50</td>
</tr>
<tr>
<td>71.0015 (ST 29) - CLD</td>
<td>2&quot; NPT</td>
<td>60</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>17,24</td>
<td>18,41</td>
<td>UL/ASME</td>
</tr>
<tr>
<td>66.1139 (PRV)</td>
<td>1/4-18 NPT</td>
<td>22</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>17,24</td>
<td>18,41</td>
<td>UL/ASME</td>
</tr>
<tr>
<td>70.0020/0008 (VS 367/368) - PRV</td>
<td>M 36 x 2</td>
<td>60</td>
<td>x</td>
<td>-</td>
<td>1000 lt. 17 and 18**</td>
<td>72,5 and 80,00</td>
<td>CE***</td>
<td>24,50</td>
</tr>
<tr>
<td>71.0026 (ST 36) - CLD</td>
<td>1 1/4&quot; NPT</td>
<td>52</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>17,24</td>
<td>18,41</td>
<td>UL/ASME</td>
</tr>
<tr>
<td>70.0015/0031 (VS 456/457) - PRV</td>
<td>M 45 x 2</td>
<td>68</td>
<td>x</td>
<td>-</td>
<td>1750-3200 lt. 16 and 17**</td>
<td>N/a</td>
<td>CE***</td>
<td>29,50</td>
</tr>
<tr>
<td>71.0030 (ST 45) - CLD</td>
<td>2&quot; NPT</td>
<td>62</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>25,85</td>
<td>33,52</td>
<td>UL</td>
</tr>
</tbody>
</table>

**OVERALL NOTE:** All our configurations PRV+CLD are suitable for a temperature range [°C] - 40 + 65.

* PRV = Pressure Relief Valve and CLD = Check-lock Device

** please specify your requested setting pressure when ordering – various setting points available.

*** please enquiry our sales department for further local approvals – several national approvals available besides CE-approval.

[www.cavagnagroup.com](http://www.cavagnagroup.com)
Liquid Withdrawal Valves

**VL 13**
Liquid withdrawal valve.

**VL 25**
Liquid withdrawal valve to be used withour VL 25 Liquid Withdrawal Valve.

**RL 11**
72.0029 Liquid Transfer Valve.

**RL 15**
72.0004 Liquid Transfer Valve to be used with our VL 13 and VLT 18. It incorporates an excess flow limiter.

**RL 25**
72.0025 Liquid Transfer Valve to be used with our VL 25. It incorporates an excess flow limiter.

**RRL 16 A-P**
67.0797 / 0793 Liquid withdrawal valve complete with protection cap.

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Outlet Connection</th>
<th>Closing Flow</th>
<th>Wrenching Grip (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>69.0008 (VL 13)</td>
<td>3/4” – 14 NPT</td>
<td>3/4” – 14 NPT (plugged)</td>
<td>N/a</td>
<td>35</td>
</tr>
<tr>
<td>69.0005 (VL 25)</td>
<td>1 1/4” – 14 NPT</td>
<td>M 25x1.5 (plugged)</td>
<td>N/a</td>
<td>46</td>
</tr>
<tr>
<td>72.0029 (RL 11)</td>
<td>3/4” – 14 NPT</td>
<td>M 20x1.5-6</td>
<td>N/a</td>
<td>28 (square)</td>
</tr>
<tr>
<td>72.0004 (RL 15)</td>
<td>3/4” – 14 NPT</td>
<td>M 30x1.5</td>
<td>See**</td>
<td>28 (square)</td>
</tr>
<tr>
<td>72.0025 (RL 25)</td>
<td>M 25x1.5</td>
<td>M 30x1.5</td>
<td>See**</td>
<td>32 (square)</td>
</tr>
<tr>
<td>67.0793 (RRL 16)</td>
<td>3/4” – 14 NPT (with/without* tube threading 3/4” 28UN-2B for dipping)</td>
<td>3/4” – 14 NPT (with plug cap)</td>
<td>N/a</td>
<td>34 (square)</td>
</tr>
</tbody>
</table>

* please specify when ordering
** Data valid when upstream pressure is 2 bar - excess flow device performance equal to 28-30 Nm³/h air.

The features described in this illustration do not bind the manufacturer.
**Liquid withdrawal valves**

**VLT 18**

69.0020

Liquid withdrawal valve with dip tube available in different lengths according to various tank sizes, to be used in connection with our RL 15 Liquid Withdrawal Valve.

**LF 14**

69.0038

Liquid withdrawal Excess Flow Valve. Performance: excess flow closes 25.5+3 m³/h (water); residual flow ≤ 0.020 m³/h (water) with ΔP +1 bar

**VLF 14-C**

69.0019

Liquid withdrawal Excess Flow Valve.

**LF 25**

69.0004

Liquid withdrawal Excess Flow Valve.

**VLF 25C**

69.0040

Liquid withdrawal Excess Flow Valve. Performance: excess flow closes 25.5±3 m³/h (water); residual flow ≤ 0.020 m³/h (water) with ΔP +1 bar

<table>
<thead>
<tr>
<th>Part number</th>
<th>Container Connection</th>
<th>Outlet Connection</th>
<th>Closing Flow</th>
<th>Wrenching hex. Grip (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>69.0020 (VLT 18)</td>
<td>3/4” – 14 NPT</td>
<td>3/4” – 14 NPT (plugged)</td>
<td>N/a</td>
<td>35</td>
</tr>
<tr>
<td>69.0038 (LF 14)</td>
<td>3/4” – 14 NPT</td>
<td>26x1.814 - NF E 03-001</td>
<td>See***</td>
<td>36 (hex.)</td>
</tr>
<tr>
<td>69.0019 (VLF 14-C)</td>
<td>3/4” – 14 NPT</td>
<td>W 26x1.814 (plugged)</td>
<td>See**</td>
<td>35</td>
</tr>
<tr>
<td>69.0004 (LF 25)</td>
<td>1 1/4” – 14 NPT</td>
<td>W 26x1.814 (plugged)</td>
<td>See*</td>
<td>46 (hex.)</td>
</tr>
<tr>
<td>69.0040 (VLF 25C)</td>
<td>1 1/4” – 14 NPT</td>
<td>3/4” – 14 NPT</td>
<td>See*</td>
<td>46</td>
</tr>
</tbody>
</table>

* Data valid for ΔP = 1 bar – excess flow device performance equal to 4,5±5,5 m³/h water with residual flow ≤ 0,050 m³/h.
** Data valid for ΔP = 1 bar – excess flow device withdrawal performance equal to 2,5±0,5 m³/h water with residual flow ≤ 0,050 m³/h.
*** Data valid for ΔP = 1 bar – excess flow device withdrawal performance equal to 2,5 ±0,5 m³/h water with residual flow ≤ 0,050 m³/h.

The features described in this illustration do not bind the manufacturer.
Product was redesigned to provide comprehensive up-dating as well as a 100% operating efficiency. Our LPG float gauge can also provide full performance even under the following critical conditions:

- **a** when humidity for any reason is found within the LPG tank.
- **b** when the transmission components are subjected to very low temperatures.

The indicator is complete with plastic cover, or gasket and stainless steel screws. All gauges can be manufactured in brass or in zamac. Available also with metal cover. Customized float gauges can be supplied on demand.

### LPG Float Gauges with 4 Screws

<table>
<thead>
<tr>
<th>ART</th>
<th>ø INCHES</th>
<th>ø mm.</th>
<th>type</th>
<th>gallons</th>
<th>litre</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2069.U.</td>
<td>24&quot;</td>
<td>609,60</td>
<td>horizontal</td>
<td>120</td>
<td>454,25</td>
<td>338</td>
<td>285</td>
</tr>
<tr>
<td>2070.U.</td>
<td>30&quot;</td>
<td>762,00</td>
<td>horizontal</td>
<td>250/320</td>
<td>946,35/1,211,328</td>
<td>412</td>
<td>360</td>
</tr>
<tr>
<td>2171.U.</td>
<td>37&quot;</td>
<td>939,80</td>
<td>horizontal</td>
<td>500</td>
<td>1,892,70</td>
<td>510</td>
<td>438</td>
</tr>
<tr>
<td>2072.U.</td>
<td>41&quot;</td>
<td>1,041,40</td>
<td>horizontal</td>
<td>1000</td>
<td>3,785,40</td>
<td>553</td>
<td>477</td>
</tr>
<tr>
<td>2073.U.</td>
<td>48&quot;</td>
<td>1,219,20</td>
<td>horizontal</td>
<td></td>
<td></td>
<td>612</td>
<td>535</td>
</tr>
<tr>
<td>2075.U.</td>
<td>30&quot;</td>
<td>762</td>
<td>vertical</td>
<td></td>
<td></td>
<td>640</td>
<td>430</td>
</tr>
</tbody>
</table>

### LPG Float Gauges with Thread

#### LPG Float Gauges with Thread 1"

<table>
<thead>
<tr>
<th>ART</th>
<th>ø INCHES</th>
<th>ø mm.</th>
<th>type</th>
<th>gallons</th>
<th>litre</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2069.U.1&quot;</td>
<td>24&quot;</td>
<td>609,60</td>
<td>horizontal</td>
<td>120</td>
<td>454,25</td>
<td>338</td>
<td>285</td>
</tr>
<tr>
<td>2070.U.1&quot;</td>
<td>30&quot;</td>
<td>762,00</td>
<td>horizontal</td>
<td>250/320</td>
<td>946,35/1,211,328</td>
<td>412</td>
<td>360</td>
</tr>
<tr>
<td>2171.U.1&quot;</td>
<td>37&quot;</td>
<td>939,80</td>
<td>horizontal</td>
<td>500</td>
<td>1,892,70</td>
<td>510</td>
<td>438</td>
</tr>
<tr>
<td>2072.U.1&quot;</td>
<td>41&quot;</td>
<td>1,041,40</td>
<td>horizontal</td>
<td>1000</td>
<td>3,785,40</td>
<td>553</td>
<td>477</td>
</tr>
<tr>
<td>2073.U.1&quot;</td>
<td>48&quot;</td>
<td>1,219,20</td>
<td>horizontal</td>
<td></td>
<td></td>
<td>612</td>
<td>535</td>
</tr>
<tr>
<td>2075.U.1&quot;</td>
<td>30&quot;</td>
<td>762</td>
<td>vertical</td>
<td></td>
<td></td>
<td>640</td>
<td>430</td>
</tr>
</tbody>
</table>

#### LPG Float Gauges with Thread 1" 1/4

<table>
<thead>
<tr>
<th>ART</th>
<th>ø INCHES</th>
<th>ø mm.</th>
<th>type</th>
<th>gallons</th>
<th>litre</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2069.U.1&quot;1/4</td>
<td>24&quot;</td>
<td>609,60</td>
<td>horizontal</td>
<td>120</td>
<td>454,25</td>
<td>338</td>
<td>285</td>
</tr>
<tr>
<td>2070.U.1&quot;1/4</td>
<td>30&quot;</td>
<td>762,00</td>
<td>horizontal</td>
<td>250/320</td>
<td>946,35/1,211,328</td>
<td>412</td>
<td>360</td>
</tr>
<tr>
<td>2171.U.1&quot;1/4</td>
<td>37&quot;</td>
<td>939,80</td>
<td>horizontal</td>
<td>500</td>
<td>1,892,70</td>
<td>510</td>
<td>438</td>
</tr>
<tr>
<td>2072.U.1&quot;1/4</td>
<td>41&quot;</td>
<td>1,041,40</td>
<td>horizontal</td>
<td>1000</td>
<td>3,785,40</td>
<td>553</td>
<td>477</td>
</tr>
<tr>
<td>2073.U.1&quot;1/4</td>
<td>48&quot;</td>
<td>1,219,20</td>
<td>horizontal</td>
<td></td>
<td></td>
<td>612</td>
<td>535</td>
</tr>
<tr>
<td>2075.U.1&quot;1/4</td>
<td>30&quot;</td>
<td>762</td>
<td>vertical</td>
<td></td>
<td></td>
<td>640</td>
<td>430</td>
</tr>
</tbody>
</table>
**Tank Equipment**

**Spare Parts**

The manufacturer declines all responsibility for incorrect use or application. We recommend to use original parts or to replace the whole valve.

---

**Pressure gauge in glycerine bath.**
- Scale 0-25 bar.
- Connection: 1/4" NPT.

**Connection devices with excess flow check valve built in to be used with the multivalve GSE 35.**
- 16.0.950.0039 (capacity 50 Kg.)
- 16.0.950.0052 (capacity 95 Kg.)

---

**Plug with gasket for Liquid Withdrawal Valve.**

**Cap with ACME threading.**

**Plastic rain caps for Safety Valves.**

**Rubber gasket for ACME thread cap.**

---

**Bonded Seals for Safety Valves with cylindrical thread.**

---

**The manufacturer declines all responsibility for incorrect use or application.** We recommend to use original parts or to replace the whole valve.
The features described in this illustration do not bind the manufacturer.
Cavagna Group

LPG VALVES & EQUIPMENT DIVISION

LPG CYLINDER VALVES
Please be so kind to verify with us approvals, accessories (tubes, tubes materials, tubes fixing, anti-filling devices, tools for anti-filling devices, caps, sealants and settings) and optional features. Approvals of any kind have to be expressly specified on orders or enquires.

The range of photos shown is indicative. Please contact LPG VALVES & EQUIPMENT DIVISION Staff to find a product suitable for each specific market.

For orders please refer to:

tel. +39 030 9663.111 - fax +39 030 9969014
Website: www.cavagnagroup.com
E-mail: omeca@cavagnagroup.com
German LPG Cylinder Valves

80.6019
80.6.790.6019
Open-close handwheel valve with pressure relief device.
DIN KLEIN
BAM - APPROVED
π - APPROVED
15 years reconditioning

80.6018
80.6.790.6018
Heavy duty valve with pressure relief device for 33 Kg. LPG cylinders.
DIN GROSS
BAM - APPROVED
π - APPROVED
15 years reconditioning

80.3023
80.6.490.3023
FLT cylinder valve for liquid withdrawal up to 33 Kg. LPG cylinders.
DIN KLEIN
BAM - APPROVED
π - APPROVED
15 years reconditioning

80.3024
80.6.490.3024
FLT cylinder valve for liquid withdrawal up to 11 Kg. LPG cylinders.
DIN KLEIN
BAM - APPROVED
π - APPROVED
15 years reconditioning

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part number</th>
<th>Cylinder Connection</th>
<th>Outlet Connection</th>
<th>Normal Application</th>
<th>Liquid Level Gauge</th>
<th>DT length</th>
<th>Relief Setting</th>
<th>15 years reconditioning</th>
<th>π Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.6019</td>
<td>DIN 477 KLEIN</td>
<td>W 21,8 x 1/14&quot;</td>
<td>up to 11 Kg.</td>
<td>No</td>
<td>No</td>
<td>35 bar</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>80.6018</td>
<td>DIN 477 GROSS</td>
<td>W 21,8 x 1/14&quot;</td>
<td>up to 33 Kg. Cylinders</td>
<td>No</td>
<td>No</td>
<td>35 bar</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>80.3024</td>
<td>DIN 477 KLEIN</td>
<td>W 21,8 x 1/14&quot;</td>
<td>FLT</td>
<td>No</td>
<td>120 mm</td>
<td>no</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>80.3023</td>
<td>DIN 477 GROSS</td>
<td>W 21,8 x 1/14&quot;</td>
<td>FLT</td>
<td>No</td>
<td>127 mm</td>
<td>No</td>
<td>n/a</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.

www.cavagnagroup.com
**German LPG Cylinder Valves**

**80.6101**

80.6.790.6101
LPG cylinders valve for welding application.
Various lengths of tubes.
DIN KLEIN
DEGASSING SCREW
BAM - APPROVED

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Cylinder Connection</th>
<th>Outlet Connection</th>
<th>Normal Application</th>
<th>Liquid Level Gauge</th>
<th>DT length</th>
<th>Relief Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.6101</td>
<td>DIN 477 KLEIN</td>
<td>G 3/8&quot; LH DIN 477</td>
<td>Welding Cylinders</td>
<td>Yes</td>
<td>45 mm</td>
<td>35 bar</td>
</tr>
</tbody>
</table>
The features described in this illustration do not bind the manufacturer.

**LPG Handwheel Valves**

- **80.8066**
  - 80.0.890.8066
  - POL valve for 10 kg cylinders.

- **80.5024**
  - DOT cylinder valve for vapor up to 100 Lbs LPG capacity.

- **80.6033**
  - 80.0.790.6033
  - POL valve with pressure relief valve for 240 Lbs propane cylinders. Available also with fixed liquid level gauge.

- **80.1174**
  - 80.6.290.1174
  - Cylinder valve inlet DIN GROSS outlet ø 21.8 mm.

- **80.4001**
  - 80.0.590.4001
  - Cylinder valve with single orbital locking pin, safety relief valve and plastic dip-tube.

- **80.5018**
  - 80.0.690.5018
  - POL valve with pressure relief valve for 120 Lbs propane cylinders.

- **80.5038**
  - 80.0.690.5038
  - Propane cylinder valve.

- **80.5013**
  - 80.0.690.5013
  - Cylinder valve with pressure relief valve capacity 10 m³/minute.
LPG Handwheel Valves

The wide acceptance of Omeca cylinder valves is based on their reliable performance as well as their reputation for engineering and manufacturing excellence. Omeca utilize seat discs and stem seals which resist deterioration and provide the kind of reliable service required for L.P. GAS, hand-tight closings and a faster filling cylinder valve.

80.1059
80.6.290.1059
Open-close valve. Available in several sizes of outlets and inlets.

80.1002
80.0.290.1002
Open-close valve with POL outlet. Available in different inlet sizes.

80.2051
80.0.390.2051
O-F valve with excess flow. Available in different inlet sizes.

80.1056
80.0.290.1056
O-F valve as 2051 but without excess flow.

80.8010
80.0.890.8010
Open-close valve with vertical outlet and side handwheel, available in different sizes of outlets and inlets

80.3012
80.0.490.3012
O-F valve with fixed liquid level tube.

80.6018
80.0.790.6018
Auf-zu valve with pressure relief valve. DIN GROSS. In compliance with BAM Specifications.
**LPG Handwheel Valves**

**80.4014**
80.0.590.4014
Open-close valve with pressure relief valve for small size propane cylinders. Available with several inlets and POL outlets.

**80.2122**
80.0.390.2122
Cylinder valve with rubber flow limiter.

**80.3098**
80.6.490.3098
Cylinder valve with dual locking pins and brass dip tube.

**80.3037**
80.0.490.3037
Cylinder valve with single orbital locking pin and brass dip tube. Various inlets and outlets.

**80.2120**
80.6.390.2120
Cylinder valve with flow limiter.

**62.0128**
Cylinder valve with dual locking pins and flow limiter. Various inlets and outlets.

**62.0014**
62.6.290.0014
Cylinder valve with dual locking pins locking pin. Various inlets and outlets.

**80.1019**
80.0.290.1019
LP Cylinder valve with seal gasket on the outlet.

**80.1045**
80.6.290.1045
Cylinder valve inlet DIN GROSS. Outlet ø 20 mm.

The features described in this illustration do not bind the manufacturer.
LPG Jumbo Valves

66.0071
66.8.290.0071
"Jumbo" valve with safety relief. Various settings available. 19.8 x 1/4" DIN 477 inlet.

66.0205
66.8.290.0205
"Jumbo" valve with safety relief. Various inlets. Various pressure settings available.

66.0064
66.8.290.0064
"Jumbo" valve with safety relief valve. Inlet thread M24 x 1,5 (parallel) “Jumbo” valve with fusible plug. Valve designed to be used with the new technology cylinders in composite and/or aluminium materials. 28.8 x 1/4" DIN 477 inlet. With pressure relief device.

66.0241
66.0.290.0241
“Jumbo” valve with fusible plug. Valve designed to be used with the new technology cylinders in composite and/or aluminium materials. 28.8 x 1/4" DIN 477 inlet. With pressure relief device.

66.0034
66.8.290.0034
Parallel thread inlet. Special series for composite cylinders.

10.0058
Black cap. Standard protection cap.

10.0057
Blue cap. Special protection cap with cold-resistance for low temperatures.

The features described in this illustration do not bind the manufacturer.
LPG Jumbo Valves in one piece with Safety Relief Cartridge

66.0038 (A)
66.8.290.0038
One-piece “Jumbo” with safety relief valve cartridge.
Various inlets/outlets and setting pressures.

66.0038 (B)
66.8.290.0038
One-piece “Jumbo” without pressure relief device.
Various inlets/outlets.

10.0058
Black cap. Standard protection cap.

10.0057
Blue cap. Special protection cap with cold-resistance for low temperatures.

Flat Top Dirt-Free Jumbo Valves

✓ Real flat top New Concept
✓ Dirt protection
✓ Makes additional dust & protection caps useless

1) One piece Jumbo with or without Safety Relief cartridge. Various inlets/outlets and settings pressure where applicable.

2) It incorporates new design by CAVAGNA with top flat surface without any niches so that sediments, dirt, sand, dust or dangerous particles are not allowed to obstruct the main seal of the valve;

3) The absence of parts protruding from the top flat prevents accidental opening. The valve gets activated only when regularly coupled with corresponding and conforming regulator.

4) The materials of the dust plug (stainless steel) and of the top rubber ring (high stamina against atmospheric agents) are tested for long duration and endurance.

5) The flat top configuration is totally compatible with shrink sleeves and makes the use of plastic caps redundant, this allowing or considerable saving.
**LPG Snap-tight and Bayonet Valves**

- **66.0131**
  66.0.290.0131
  Dual sealing valve with safety relief. Outlet 27 mm, various inlets.

- **66.0132**
  66.0.290.0132
  Dual sealing valve. Outlet 27 mm, various inlets with flow limiter.

- **66.0259**
  66.0.290.0259
  Quick-on valve outlet 27 mm, various inlets.

- **66.0135**
  66.0.290.0135
  Bayonet valve various inlets with flow limiter.

- **66.0136**
  66.0.290.0136
  Bayonet valve with safety relief, various inlets with anti-debris tube.

- **66.0287**
  66.0.290.0287

---

www.cavagnagroup.com  The features described in this illustration do not bind the manufacturer.
**LPG Quick-on Valves**

**66.0049**

66.0.290.0049
"Quick-on" valve with pressure relief valve. Outlets Ø 20-21-22 mm, various inlets. Available with anti-debris tube.

**66.0022**

66.9.290.0022
Compact quick-on valve without pressure relief device. Various inlets; Ø 20, 21 and 22 mm outlets.

**66.0067**

66.8.290.0067
"Quick-on" valve with plastic dip-tube without pressure relief valve. Available with anti-debris tube.

**66.0005**

66.8.290.0005
Compact quick-on valve with pressure relief device (various settings). Various inlets; Ø 20, 21 and 22 mm outlets.

**66.0035**

66.8.290.0035
Quick-connection valve. With safety relief valve. Various inlets/outlets. Possibility of customising the setting pressure. Quick-on PRV 10 m³
Flat Top Dirt-Free LPG Quick-on Valves

**NEW**

**Real flat top New Concept**

**Dirt protection**

**Makes dust & protection caps useless**

1) One piece Quick-on valve with or without Safety Relief cartridge. Various inlets/outlets and settings pressure where applicable.

2) It incorporates new design by CAVAGNA with top flat surface without any niches so that sediments, dirt, sand, dust or dangerous particles are not allowed to obstruct the main seal of the valve;

3) The absence of parts protruding from the top flat prevents accidental opening.
   The valve gets activated only when regularly coupled with corresponding and conforming regulator.

4) The materials of the dust plug (one piece massive brass drive cursor) and of the top rubber ring (high stamina against atmospheric agents) are tested for long duration and endurance.

5) The flat top configuration is totally compatible with shrink sleeves and makes the use of plastic caps redundant, this allowing or considerable saving.
**LPG Quick-on Valves**

66.0001

66.8.290.0001
*Quick-on* valve.
Outlets Ø 20-21-22 mm,
various inlets
with plastic cap.

66.0060

66.0.290.0060
Snap-on valve
Self-closing valve with
built-in safety valve.
This valve combining with
RECA regulator guarantees
constant outlet pressure,
independent of cylinder pres-
sure and of through-put.
Available with different
inlet thread sizes.

66.0013

66.8.290.0013

66.0051

66.8.290.0051

66.0054

66.8.290.0054

The features described in this illustration do not bind the manufacturer.
Compact Quick-On 634

Low Pressure single stage regulator, with not-adjustable setting equipped with a fitting suitable for automatic quickon valves Ø 20, 21, 22, 27 mm and bayonet type.

The Compact Quick-On model has a compact and ergonomic shape, easy to handle and to use.

The regulator is mounted directly onto the gas cylinder, connecting it with an easy pressure onto the automatic valve.

The regulator is connected onto the automatic valve turning the lever in the ON position.

Generally all the models Compact Quick-On are equipped with a special thermic safety device (thermofuse), stopping the gas flow in case a fire arises.

On demand, it is possible to assemble an excess flow: a special device able to stop the gas flow in case the hose is suddenly disconnected from the gas appliance.
**Quick-On System**

**Jumbo 58**
Low Pressure double stage regulator with non-adjustable setting with fitting suitable for automatic valves Ø 35 mm. On demand, it is possible to assemble an excess flow and a OPSO device (safety relief valve), in order to avoid any overpressure.

**Kosanova 59**
Low Pressure double stage regulator with non-adjustable setting with fitting suitable for automatic valves Ø 16 mm and 19 mm. On demand, it is possible to assemble an excess flow and a OPSO device (safety relief valve).

**Type 511 horizontal**
QUICK ON CYLINDER COUPLING Ø 20 - 21 - 22 mm On/off without pressure regulation. Horizontal.

**Type 511 vertical**
QUICK ON CYLINDER COUPLING Ø 20 - 21 - 22 mm On/off without pressure regulation. Vertical.
Fork Lift Truck and Carburation Valves

Omeca is introducing a new technology on the valve with dip tube for liquid withdrawal. To overcome all well-known problems with copper or brass dip tube, we introduce a new polyamide dip tube with hi-tech performance. Fully compatible with LPG, these will be the second generation of carburation valves.

00.0000
00.0.000.0000
Quick-on safety adapter for FLT application.

80.3014
80.0.490.3014
FLT valve with flow limiter. Various inlets and outlets.

80.3072
80.0.490.3072
FLT valve European version with flow limiter, POL outlet. Various inlets.

80.8162
80.0.890.8162

80.8162 Kit
80.0.890.8162
Bi-check FLT service valve with quick-on outlet connection (various sizes). With excess flow valve available with dedicated adaptors.

80.3105
80.0.490.3105
FLT valve Staubli outlet with flow limiter.

67.0787
67.0.490.0787
Dual valve with safety relief and flow limiter. Various inlets, ACME outlet.

80.3113
80.0.490.3113
2nd generation FLT valve. Outlet with quick connection.
Fork Lift Truck and Carburation Valves

80.3024
80.0.490.3024
New 2nd generation FLT valve.

80.3028
80.0.490.3028
FLT valve with long pipe outlet 3/4 GG.

80.2064
80.0.390.2064
FLT service valve with flow limiter. Various inlets and outlets.

80.2062
80.0.380.2062
FLT service valve with flow limiter. Various inlets and outlets.

66.1072
66.0.290.1072
Fixed liquid level gauge. Available with different dip-tube lengths. An optional instruction plate may be ordered for use with these valves.

The features described in this illustration do not bind the manufacturer.

www.cavagnagroup.com
**Fork Lift Truck and Carburation Valves**

**80.3145**
80.0.490.3145
New European FLT valve with short dip tube
DIN 477 outlets and various customisable

**80.8060**
80.0.890.8060
Liquid withdrawal valve with flow limiter.
Vertical application.

**67.0779**
67.0.490.0779
Dual valve with safety relief and flow limiter.
Various inlets, male outlet.

**80.8021**
80.0.890.8021
FLT valve with safety relief and flow limiter.
Various inlets and outlets.
Vertical and horizontal application.

**Lift Truck Connectors**

These brass connectors are designed to join the carburator fuel line to the service valve on FLT.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Application</th>
<th>Intlet</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>661024M</td>
<td>Service Valve</td>
<td>3/8&quot; F.NPT</td>
<td>1 1/4&quot; M.ACME</td>
</tr>
<tr>
<td>661023F</td>
<td>Fuel Line</td>
<td>1 1/4&quot; F.ACME</td>
<td>1/4&quot; F.NPT</td>
</tr>
</tbody>
</table>

**66.1024**
66.0.290.1024
Half coupling ACME.
- For installation on LP gas engine fuel lift truck systems.

**66.1023**
66.0.290.1023
Female coupling ACME.
- For installation on LP gas engine fuel lift truck systems.
- Both connectors automatically close when disconnected.
**LPG Cut-Off Valves**

**V641**
64.0.190.0164
Stop valve.

**64.0003**
64.0.490.0003
“Push and turn” stop valve.

**64.0043**
64.0.490.0043
“Push and turn” stop valve double version.

**80.0501**
80.6.190.0501
Piston type stop valve.
Various sizes.

**IM68**
Switch “on-off” 3-way valve, various sizes.

**80.0003**
80.6.190.0003
Piston type side entry stop valve 90° F. M.

**6404**
Needle valve.
Various sizes.

**64.0026**
64.0.490.0026
“Push and turn” stop valve, triple version.

**80.0512**
80.6.190.0512
Piston type stop valve.
Various sizes.

The features described in this illustration do not bind the manufacturer.
**LPG Camping Cylinder Valves**

**64.0203**
64.0.290.0203
Volume filling valve with safety relief.

**64.0253**
64.0.290.0253
5-ways camping valve with safety relief and degassing screw for volume filling. Various inlets and outlets.

**64.2028+68.0043**
Camping cylinder ball valve with handle and gasket. Outlet: 16x1.5.

**64.4602**
64.6.090.4602
Spindle activated camping cylinder valve.

**64.1091**
64.0.390.1091
3-way camping valve with degassing screw. Various inlets and outlets.

**64.0266**
64.0.290.0266
Camping valve without degassing screw and with safety relief device.

**64.2001**
64.0.590.2001
Hexagonal camping cylinder ball valve. Outlet: 14x1.5. Primus type.

The features described in this illustration do not bind the manufacturer.
LPG Camping Cylinder Valves

- **64.0106**
  64.0.190.0106
  Camping valve with gasket. Various inlets and outlets.

- **64.0124**
  64.0.190.0124
  3-way camping valve for cartridges. Various sizes of inlet and outlet.

- **64.1089**
  64.0.390.1089
  Camping valve for volume filling with degassing screw.

- **64.2044**
  64.6.590.2044
  Round camping cylinder valve outlet 16x1.5.

- **64.4500**
  64.0.790.4500
  Needle valve for gas heaters. Available with various nozzle sizes for different capacities.

- **64.0310**
  64.0.390.0310
  Camping cylinder valve with degassing screw.

- **64.0313**
  64.0.390.0313
  Camping cylinder valve with degassing screw.

The features described in this illustration do not bind the manufacturer.
REFRIGERANT GASES VALVES
Please be so kind to verify with us approvals, accessories (tubes, tubes materials, tubes fixing, anti-filling devices, tools for anti-filling devices, caps, sealants and settings) and optional features. Approvals of any kind have to be expressly specified on orders or enquires.

For orders please refer to:

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tel. +39 030 9663.111 - fax +39 030 9969014
Website: www.cavagnagroup.com
E-mail: omeca@cavagnagroup.com

cavagna group
omeca

tel. +39 030 9663.111 - fax +39 030 9969014
Website: www.cavagnagroup.com
E-mail: omeca@cavagnagroup.com
Key features

- Tamper proof gland nut cannot be removed
- Hot forged body manufactured by Cavagna Group
- Non-refillable outlet feature, protects cylinder from contamination
- All valves are 100% leak test to full cylinder service pressure
- Complies with all New European Standards (π marked)
- Hose barb supplied for easy attachment of Dip Tube
- All valves U.L. listed
- CGA-7 pressure relief devices - various settings available
- Various soft seat materials assures positive leak tight shut-off
- Inlet threads available with ever seal insuring leak tight cylinder connection and reduced friction during installation

Specifications

- Maximum working pressure: 500 PSI
- Temperature operating: -40 to +65 °C (-75F to 150F)
- Flow Capacity (CV): n/a
- Minimum Cycle Life: 6000
- Discharge flow capacity of PRD: 208 CFM Air @ 450 PSI

Materials

- Valve Body: Brass EN 12165 alloy
- PRD: CGA-7 Spring Loaded
- Hand wheel: Plastic
- Seat: Various
- O-Rings: Various CR

Conforming of the requirements of European Community

- CGA V 9: Standard for Gas Cylinder Valves
- CGA S-1.1: Standard for Pressure Relief Devices
- CGA V-1: Compressed Gas Cylinder Valve Outlet and Inlet Connections

Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>CGA Outlet</th>
<th>Outlet Single/Dual</th>
<th>Outlet Thread Size</th>
<th>Inlet Thread Size</th>
<th>PRD Set Pressure</th>
<th>Dip Tube Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>76.0190</td>
<td>Single</td>
<td>1.030-14 NGO RH Ext.</td>
<td>3/4&quot; NPT</td>
<td>450 PSI</td>
<td>barb</td>
<td></td>
</tr>
<tr>
<td>76.0191</td>
<td>Single</td>
<td>W 21,7 x 1/14&quot;</td>
<td>W28,8 - DIN 477</td>
<td>450 PSI</td>
<td>barb</td>
<td></td>
</tr>
</tbody>
</table>

Various configurations available for your country. Please refer to sales office of OMECA Division.
**Key features**

- Hot forged brass body according to EN12165 alloy manufactured by Cavagna Group
- Diaphragm packless style valves
- Inlet and outlet connection comply with CGA specifications
- UL approved
- Available single or dual outlet

**Materials**

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Body</td>
<td>Brass</td>
</tr>
<tr>
<td>Handwheel</td>
<td>Plastic</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Spring</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Spring Retainer</td>
<td>Brass</td>
</tr>
<tr>
<td>PRD seal cap</td>
<td>Plastic</td>
</tr>
<tr>
<td>DT connection</td>
<td>Brass</td>
</tr>
</tbody>
</table>

**Options**

- Various DT lengths and materials
- Inverted Handwheels for liquid and vapour
- PRD seal cap
- Pressure relief device cartridge style
- Stainless steel body for special applications

**Conforming with requirements of TPED (EN 849)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>CGA Outlet</th>
<th>Outlet Single/Dual</th>
<th>Outlet Thread Size</th>
<th>Inlet Thread Size</th>
<th>PRD Set Pressure</th>
<th>Dip Tube Length</th>
<th>Antifilling device</th>
</tr>
</thead>
<tbody>
<tr>
<td>76.0234</td>
<td>660</td>
<td>Single</td>
<td>1.030-14 NGO RH EXT</td>
<td>3/4 - 14 NGT</td>
<td>800 PSI</td>
<td>n/a</td>
<td>no</td>
</tr>
<tr>
<td>76.0233</td>
<td>660</td>
<td>Single</td>
<td>1.030-14 NGO RH EXT</td>
<td>3/4 - 14 NGT</td>
<td>600 PSI</td>
<td>n/a</td>
<td>no</td>
</tr>
<tr>
<td>76.0169</td>
<td>660</td>
<td>Dual</td>
<td>1.030-14 NGO RH EXT</td>
<td>3/4 - 14 NGT</td>
<td>600 PSI</td>
<td>43 mm</td>
<td>no</td>
</tr>
<tr>
<td>76.0199</td>
<td>Single</td>
<td>W21,7 x 1/14&quot;</td>
<td>W28,8 x 1/14&quot; DIN 477</td>
<td></td>
<td>no</td>
<td>850 mm</td>
<td>yes</td>
</tr>
</tbody>
</table>

Various DT materials and lengths available on request. Please consult the manufacturer for different models not shown in this page.

Various configurations available for your country. Please refer to sales office of OMECA Division.
**Key features**

- Hot forged brass body according to EN12165 alloy
- Stainless steel diaphragm guarantee against breakage for the life of the valve
- Blue nylon handwheel designed for easy operation
- Inlet and outlet connection comply with CGA specifications
- Spring loaded pressure relief device

**Materials**

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Body</td>
<td>Brass according to brass alloy EN12165</td>
</tr>
<tr>
<td>Handwheel</td>
<td>Plastic</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Spring</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Spring Retainer</td>
<td>Brass</td>
</tr>
</tbody>
</table>

**Options**

- Coloured Handwheel
- Various outlets configurations
- Various pressure relief device settings
- PRD seal cap
- Everseal preapplied on the inlet

**Conforming with requirements of TPED (EN 849)**

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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>CGA Outlet</th>
<th>Outlet Thread Size</th>
<th>Inlet Thread Size</th>
<th>PRD</th>
<th>Dip Tube Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>76.0215</td>
<td>167</td>
<td>1/2&quot; ACME</td>
<td>3/4 - 14 NGT</td>
<td>525 PSI</td>
<td>no</td>
</tr>
<tr>
<td>76.0216</td>
<td>165</td>
<td>1/4&quot; SAE FLARE</td>
<td>3/4 - 14 NGT</td>
<td>525 PSI</td>
<td>no</td>
</tr>
<tr>
<td>76.0248</td>
<td></td>
<td>W 21,8 x 1/14&quot;</td>
<td>W 28,8 x 1 1/14&quot;</td>
<td>525 PSI</td>
<td>no</td>
</tr>
</tbody>
</table>
**Key features**

- These valves are o-ring seal type valves
- Double o-ring materials technology reduces the possibility of leaks
- Sturdy brass handwheel united with the original QualiHandwheel® Cavagna system. Brass handwheels are a more resistant than common aluminium or zamak handwheel
- O-ring materials compatible with all different type of Refrigerant gases
- All inlets and outlets standard available
- Different handwheel sizes available
- BAM approval on certain models
- Valves are “π” marked according to 99/36 EC

**Materials**

- **Valve Body**: Brass according to EN 12165 alloy
- **Spindle**: Brass according to EN 12164 alloy
- **Handwheel**: Brass according to EN 12165 alloy
- **O-rings**: CR
- **PRD Spring Retainer**: Brass
- **PRD Spring**: Stainless steel
- **Seat Pad**: Nylon

**Options**

- Personalized handwheel logo
- Dip tube thread
- Dip tube material based on customer requirements
- Pressure relief devices various sett pressure
- Antifilling devices available on some models
- Everseal preapplied on the inlets

**Conforming with requirements of TPED (EN 849)**

Please consult the manufacturer for different models not shown in this page.
**Key features**

- Tamper proof gland nut cannot be removed
- Rugged brass forged body manufactured by Cavagna Group
- All valves are 100% leak test to full cylinder service pressure
- Complies with all New European Standards
- Hose barb supplied for easy attachment of Dip Tube
- All valves U.L. listed
- CGA-7 Pressure relief devices - various settings available
- Various soft seat materials assures positive leak tight shut-off

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum working pressure</td>
<td>500 PSI</td>
</tr>
<tr>
<td>Temperature operating</td>
<td>-40 to +65 °C (-75F to 150F)</td>
</tr>
<tr>
<td>Flow Capacity (CV)</td>
<td>n/a</td>
</tr>
<tr>
<td>Minimum Cycle Life</td>
<td>6000</td>
</tr>
<tr>
<td>Discharge flow capacity of PRD</td>
<td>208 CFM Air @ 450 PSI</td>
</tr>
</tbody>
</table>

**Materials**

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Body</td>
<td>Brass EN 12164 alloy</td>
</tr>
<tr>
<td>PRD</td>
<td>CGA-7 Spring Loaded</td>
</tr>
<tr>
<td>Handwheel</td>
<td>Plastic</td>
</tr>
<tr>
<td>Seat</td>
<td>Various</td>
</tr>
<tr>
<td>O-Rings</td>
<td>Various</td>
</tr>
</tbody>
</table>

**Conforms to all requirements of:**

- CGA V 9    Standard for Gas Cylinder Valves
- CGA S-1.1  Standard for Pressure Relief Devices
- CGA V-1    Compressed Gas Cylinder Valve Outlet and Inlet Connections

**Options**

- Everseal preapplied on the inlet
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>CGA Outlet</th>
<th>Outlet Single/Dual</th>
<th>Outlet Thread Size</th>
<th>Inlet Thread Size</th>
<th>Material</th>
<th>PRD</th>
<th>Dip Tube Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>76-0180</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>barb</td>
</tr>
<tr>
<td>76-0181</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>13.0”</td>
</tr>
<tr>
<td>76-0182</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>13.9”</td>
</tr>
<tr>
<td>76-0185</td>
<td>167</td>
<td>Dual</td>
<td>.500-16 ACME-2G RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>barb</td>
</tr>
<tr>
<td>76-0213</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>600 PSI</td>
<td>barb</td>
</tr>
<tr>
<td>*76-0224</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>600 PSI</td>
<td>13.3”</td>
</tr>
<tr>
<td>76-0225</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>barb</td>
</tr>
<tr>
<td>76-0226</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>12.4”</td>
</tr>
<tr>
<td>76-0227</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext. (1/4” SAE Flare)</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>13.3”</td>
</tr>
<tr>
<td>76-0229</td>
<td>167</td>
<td>Dual</td>
<td>.500-16 ACME-2G RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>12.4”</td>
</tr>
<tr>
<td>76-0228</td>
<td>167</td>
<td>Dual</td>
<td>.500-16 ACME-2G RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>barb</td>
</tr>
<tr>
<td>76-0230</td>
<td>167</td>
<td>Dual</td>
<td>.500-16 ACME-2G RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>13.3”</td>
</tr>
<tr>
<td>*76-0231</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>barb</td>
</tr>
<tr>
<td>76-0243</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>24.2”</td>
</tr>
<tr>
<td>*76-0244</td>
<td>165</td>
<td>Dual</td>
<td>.4375-20 UNF-2A RH Ext.</td>
<td>3/4” NPT</td>
<td>Brass</td>
<td>525 PSI</td>
<td>24.2”</td>
</tr>
</tbody>
</table>

*Valve hand wheels are reversed - **Red** is vapor withdrawal and **Blue** is liquid withdrawal.

Various dip tube material and lengths are available on request - Please consult the manufacturer for details.
**Key features**

- Heavy duty multiservice valve available with single or dual part
- Tamper proof gland nut cannot be removed
- Rugged brass forged body manufactured by Cavagna Group
- Non-refillable outlet feature, protects cylinder from contamination options
- All valves are 100% leak test to full cylinder service pressure
- Complies with all new European standards (CE Registered)
- High capacity pressure relief device
- Hose barb supplied for easy attachment of Dip tube

**Materials**

<table>
<thead>
<tr>
<th>Valve Body</th>
<th>Brass EN 12165 alloy</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRD</td>
<td>CG-7 Spring Loaded</td>
</tr>
<tr>
<td>O-Rings</td>
<td>Various</td>
</tr>
<tr>
<td>Packing rings</td>
<td>Teflon®</td>
</tr>
<tr>
<td>Stem</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Gland nut</td>
<td>brass</td>
</tr>
</tbody>
</table>

**Options**

- Handwheel operated
- Double separate outlet
- Everseal preapplied on the inlets
- Various dip tube lengths and materials

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outlet Single/Dual</th>
<th>Outlet Thread Size</th>
<th>Inlet Thread Size</th>
<th>PRD Set Pressure</th>
<th>Dip Tube Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>76.0239</td>
<td>Single</td>
<td>W 21,7 x 1 1/14”</td>
<td>28,8 w x 1 1/14” - DIN 477</td>
<td>30 bar</td>
<td>970 mm</td>
</tr>
</tbody>
</table>

Available with different DT lengths, please contact the manufacturer for more details.
**Key features**

- Hot forged brass body according to EN12165 alloy manufactured by Cavagna Group
- Heavy duty refrigerant gas valve
- Easy handwheel operation under pressure
- Spring retained pressure relief valve suitable for bigger cylinders
- Double o-ring seal type valve

**Materials**

<table>
<thead>
<tr>
<th>Body</th>
<th>Brass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handwheel</td>
<td>Aluminum</td>
</tr>
<tr>
<td>O-ring</td>
<td>CR</td>
</tr>
<tr>
<td>Spindle</td>
<td>Brass</td>
</tr>
<tr>
<td>Antifilling device</td>
<td>Plastic and brass</td>
</tr>
<tr>
<td>PRD Spring</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>PRD Spring retainer</td>
<td>Brass</td>
</tr>
</tbody>
</table>

**Options**

- Available with antifilling device
- Everseal preapplied on the inlet
- Dip tube various materials
- Coloured Handwheel
- Customized Handwheel logo cap

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outlet Thread Size</th>
<th>Inlet Thread Size</th>
<th>PRD Set Pressure</th>
<th>Dip Tube Length</th>
<th>Antifilling device</th>
</tr>
</thead>
<tbody>
<tr>
<td>76.0060</td>
<td>W 21.7 x 1/14”</td>
<td>W 28.8 - DIN 477</td>
<td>36 bar</td>
<td>14 mm</td>
<td>yes</td>
</tr>
<tr>
<td>76.0058</td>
<td>W 21.7 x 1/14”</td>
<td>W 28.8 - DIN 477</td>
<td>36 bar</td>
<td>14 mm</td>
<td>no</td>
</tr>
</tbody>
</table>

Various DT materials and lengths, inlet and outlet available. Please consult the manufacturer for details.
FILLING HEADS
PRODUCT DESCRIPTION

The Kosan Filling Head is based on the experience gained during the past 40 years when Kosan Teknova A/S has been developing, manufacturing and supplying LPG equipment to customers all over the world.

The unique design and quality of the Kosan Filling Head offer the consumer the highest degree of safety when LPG is used.

Maintenance and Repair Manuals for Filling heads are available upon requests.

Please be so kind to verify with us approvals, accessories (tubes, tubes materials, tubes fixing, anti-filling devices, tools for anti-filling devices, caps, sealants and settings) and optional features. Approvals of any kind have to be expressly specified on orders or enquires.

For orders please refer to:

tel. +39 030 9663.111 - fax +39 030 9969014
Website: www.cavagnagroup.com
E-mail: omeca@cavagnagroup.com
LPG Filling Head
for LPG Valves 16, 19 and 35 mm
(Jumbo and Kosanova valves)
Manually Operated

**FEATURES**

1. Balanced jig for easy suspension between filling operations.
2. Easy to connect and disconnect. Filling is initiated by operating the manual handle.
3. Slim design makes it easy to handle and it fits easily inside any shroud.

**Inlet connection:** ISO 228/1-G3/8 or W21,8 x 1/14 LH

**Outlet connection:** Connects to Kosan LPG valves 16, 19 and 35 mm with and without SRV.

**Supply pressures:** The Filling Head is designed to operate within the normal supply pressures.
- Liquid filling product: 1-15 bar
- Filling time approx. 5 sec./kg LPG at 7 bar differential pressure.

**Marking:** The following information is marked on the Filling Head:
- Month and year of production (postdated by three months).
- The code number of the Filling Head.

**Packing:** The Filling Heads are individually packed in boxes without instructions.

**Function and Maintenance:**
- The Filling Head is easy to operate.
- The head outlet is attached to the valve inlet manually. While pressing the manual handle the filling heads makes a leaktight connection to the valve then opens the valve spindle and the gas starts to flow.
- When the cylinder is full the filling is stopped via the scale system. By moving the handle in its opposite direction the filling head disconnects from the valve.

**MATERIALS AND STANDARDS**

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.
LPG Filling Head
for LPG Valves 16, 19 and 35 mm
(Jumbo and Kosanova valves)
Manually Operated

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900001</td>
<td>ISO 228/1 - G3/8</td>
<td>KOSAN LPG VALVES 35 mm type 130B - with and without SRV</td>
</tr>
<tr>
<td>6882900002</td>
<td>W 21,8 x 1/14 LH</td>
<td>KOSAN LPG VALVES 35 mm type 130B - with and without SRV</td>
</tr>
<tr>
<td>6882900003</td>
<td>W 21,8 x 1/14 LH</td>
<td>KOSAN LPG VALVES 35 mm type 130B - with and without SRV</td>
</tr>
<tr>
<td>6882900004</td>
<td>ISO 228/1 - G3/8</td>
<td>KOSANOVA LPG VALVES 16 mm type 130K - with or without SRV</td>
</tr>
<tr>
<td>6882900005</td>
<td>ISO 228/1 - G3/8</td>
<td>KOSANOVA LPG VALVES 19 mm type 130L - with or without SRV</td>
</tr>
<tr>
<td>6882900006</td>
<td>ISO 228/1 - G3/8</td>
<td>KOSANOVA LPG VALVES 19 mm type 130L - with or without SRV</td>
</tr>
<tr>
<td>6882900007</td>
<td>ISO 228/1 - G3/8</td>
<td>KOSANOVA LPG VALVES 16 mm type 176A and 130K - with or without SRV</td>
</tr>
<tr>
<td>6882900008</td>
<td>W 21,8 x 1/14 LH</td>
<td>KOSANOVA LPG VALVES 16 mm type 176A and 130K - with or without SRV</td>
</tr>
</tbody>
</table>
The features described in this illustration do not bind the manufacturer.

**LPG Filling Head**
for LPG Valves 16, 19 and 35 mm  
(Jumbo and Kosanova valve)  
Semi-automatically Operated

**MATERIALS AND STANDARDS**
The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

**FEATURES**
1. Balanced jig for easy suspension between filling operations.
2. Easy to connect and disconnect. Filling is initiated by opening of the pneumatic air supply.
3. Slim design makes it easy to handle and it fits easily inside any shroud.

Inlet connection:  
LPG: ISO 228/1-G3/8  
Pneum. air: ISO 228/1-G1/4

Outlet connection:  
Connects to Kosan LPG valves 16, 19 and 35 mm with and without SRV.

Supply pressures:  
The Filling Head is designed to operate within the normal supply pressures.  
Pneumatic supply: 4 - 6 bar.  
Liquid filling product: 1-15 bar  
Filling time approx. 5 sec./kg LPG at 7 bar differential pressure.

Marking:  
The following information is marked on the Filling Head:
- Month and year of production (posdated by three months).
- The code number of the Filling Head.

Packing:  
The Filling Heads are individually packed in boxes without instructions.

Function and Maintenance:  
The Filling Head is easy to operate.  
The head outlet is attached to the valve inlet manually. Once the pneumatic pressure is applied to the head it forces the internal components of the head to move towards the valve top thereby establishing a leaktight connection and once this is established the further movement of the components forces the valve spindle to open and simultaneously the gas starts to flow. When the cylinder is full the filling is stopped by removing the pneumatic pressure. The internal springs of the head allows the valve to close and moves the components of the head backwards to stop the flow of gas and to disconnect the head from the valve. The head is removed manually.
**LPG Filling Head**

for LPG Valves 16, 19 and 35 mm
(Jumbo and Kosanova valve)
Semi-automatically Operated

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
</table>
| 6882900020        | LPG: ISO 228/1 - G3/8  
                      AIR: ISO 228/1 - G1/4 | KOSAN LPG VALVES 35 mm  
                      type 130B - with or without SRV |
| 6882900021        | LPG: ISO 228/1 - G3/8  
                      AIR: ISO 228/1 - G1/4 | KOSAN LPG VALVES 35 mm  
                      type 130B - with or without SRV |
| 6882900023        | LPG: ISO 228/1 - G3/8  
                      AIR: ISO 228/1 - G1/4 | KOSANOA LPG VALVES 19 mm  
                      type 130L - with or without SRV |
| 6882900024        | LPG: ISO 228/1 - G3/8  
                      AIR: ISO 228/1 - G1/4 | KOSANOA LPG VALVES 19 mm  
                      type 130L - with or without SRV |
| 6882900027        | LPG: ISO 228/1 - G3/8  
                      AIR: ISO 228/1 - G1/4 | KOSANOA LPG VALVES 16 mm  
                      type 176A and 130K, with or without SRV |
LPG Filling Head
for Kosanova LPG Valves 16 mm
Manually Operated

MATERIALS AND STANDARDS
The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES
1. Easy to connect and disconnect. Filling is initiated by applying the filling pressure.
2. Slim design makes it easy to handle and it fits easily inside any shroud.
3. Is operated without pneumatic air supply

Inlet connection: W21,8 x 1/14 or ISO 228/1 - G 1/4
Outlet connection: Connects to Kosanova LPG valves type 176A, 16 mm with and without SRV.
Supply pressures: The Filling Head is designed to operate within the normal supply pressures.
Liquid filling product: 1-15 bar
Filling time approx. 5 sec./kg LPG at 7 bar differential pressure.
Marking: The following information is marked on the Filling Head:
• Month and year of production (posdated by three months).
• The code number of the Filling Head.
Packing: The Filling Heads are individually packed in boxes without instructions.

Function and Maintenance: The Filling Head is easy to operate.
The head outlet is attached firmly to the valve inlet manually. By applying the LPG filling pressure to the filling head, the head is locked leaktight to the valve and the filling is initiated. When the cylinder is full the filling is stopped by firmly emoving the filling head from the valve.

The features described in this illustration do not bind the manufacturer.
**LPG Filling Head**

*for Kosanova LPG Valves 16 mm*

*Manually Operated*

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900025</td>
<td>W 21,8 x 1/14 LH</td>
<td>KOSANOVA LPG VALVES type 176A, 16 mm with and without SRV</td>
</tr>
<tr>
<td>6882900026</td>
<td>ISO 228/1 - G1/4</td>
<td>KOSANOVA LPG VALVES type 176A, 16 mm with and without SRV</td>
</tr>
</tbody>
</table>

---

The features described in this illustration do not bind the manufacturer.
**LPG Filling Head**

*for Compact LPG Valves*

*20, 21, 22, 25.6, 27 mm*

*Manually Operated*

---

**FEATURES**

1. Balanced jig for easy suspension between filling operations.
2. Easy to connect and disconnect. Filling is initiated by operating the manual handle.
3. Slim design makes it easy to handle and it fits easily inside any shroud.

**Inlet connection:** ISO 228/1-G3/8 or W21.8 x 1/14 LH

**Outlet connection:** Connects to all Compact LPG valves 20, 21, 22, 25.6 and 27 mm with and without SRV.

**Supply pressures:** The Filling Head is designed to operate within the normal supply pressures.

- Liquid filling product: 1-15 bar
- Filling time approx. 2.5 sec./kg LPG at 7 bar differential pressure.

**Marking:**

- The following information is marked on the Filling Head:
  - Month and year of production (posdated by three months).
  - The code number of the Filling Head.

**Packing:**

The Filling Heads are individually packed in boxes without instructions.

**Function and Maintenance:**

- The Filling Head is easy to operate.
- The head outlet is attached to the valve inlet manually. While pressing the manual handle the filling heads makes a leaktight connection to the valve then opens the valve spindle and the gas starts to flow.
- When the cylinder is full the filling is stopped via the scale system. By moving the handle in its opposite direction the filling head disconnects from the valve.

**Suitable for:** All compact valves outlets. Specify type of compact valve when ordering.

---

**MATERIALS AND STANDARDS**

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.
**LPG Filling Head**

for Compact LPG Valves

20, 21, 22, 25.6, 27 mm
Manually Operated

---

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900009</td>
<td>ISO 228/1 - G3/8</td>
<td>COMPACT LPG VALVES 20 mm type 186A - with and without SRV</td>
</tr>
<tr>
<td>6882900010</td>
<td>W 21,8 x 1/14 LH</td>
<td>COMPACT LPG VALVES 20 mm type 186A - with and without SRV</td>
</tr>
<tr>
<td>6882900011</td>
<td>W 21,8 x 1/14 LH</td>
<td>COMPACT LPG VALVES 20 mm type 186A050 - with big SRV</td>
</tr>
<tr>
<td>6882900012</td>
<td>ISO 228/1 - G3/8</td>
<td>COMPACT LPG VALVES 27 mm type 186C (SHELL) - with and without SRV</td>
</tr>
<tr>
<td>6882900013</td>
<td>ISO 228/1 - G3/8</td>
<td>COMPACT LPG VALVES 22 mm type 186G - with and without SRV</td>
</tr>
<tr>
<td>6882900014</td>
<td>W 21,8 x 1/14 LH</td>
<td>COMPACT LPG VALVES 22 mm type 186G - with and without SRV</td>
</tr>
<tr>
<td>6882900015</td>
<td>ISO 228/1 - G3/8</td>
<td>COMPACT LPG VALVES 21 mm type 186H - with and without SRV</td>
</tr>
<tr>
<td>6882900016</td>
<td>W 21,8 x 1/14 LH</td>
<td>COMPACT LPG VALVES 21 mm type 186H - with and without SRV</td>
</tr>
<tr>
<td>6882900017</td>
<td>DIN 259-1/2” NPT</td>
<td>COMPACT LPG VALVES 21 mm type 186H - with and without SRV</td>
</tr>
<tr>
<td>6882900018</td>
<td>ISO 228/1 - G3/8</td>
<td>COMPACT LPG VALVES 25.6 mm type 186 - with and without SRV</td>
</tr>
</tbody>
</table>

---

The features described in this illustration do not bind the manufacturer.
**MATERIALS AND STANDARDS**

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

**FEATURES**

1. Balanced jig for easy suspension between filling operations.
2. Easy to connect and disconnect. Filling is initiated by opening of the pneumatic air supply.
3. Slim design makes it easy to handle and it fits easily inside any shroud.

**Inlet connection:**
- ISO 228/1-G3/8
- Pneum. air: ISO 228/1-G1/4

**Outlet connection:** Connects to Compact LPG valves 20, 21, 22 and 26.6 mm with and without SRV.

**Supply pressures:**
- The Filling Head is designed to operate within the normal supply pressures.
  - Pneumatic supply: 4 - 6 bar.
  - Liquid filling product: 1-15 bar
  - Filling time approx. 2.5 sec./kg LPG at 7 bar differential pressure.

**Marking:**
- The following information is marked on the Filling Head:
  - Month and year of production (postedate by three months).
  - The code number of the Filling Head.

**Packing:**
- The Filling Heads are individually packed in boxes without instructions.

**Function and Maintenance:**
- The Filling Head is easy to operate.
- The head outlet is attached to the valve inlet manually. Once the pneumatic pressure is applied to the head it forces the internal components of the head to move towards the valve top thereby establishing a leaktight connection and once this is established the further movement of the components forces the valve spindle to open and simultaneously the gas starts to flow. When the cylinder is full the filling is stopped by removing the pneumatic pressure. The internal springs of the head allows the valve to close and moves the components of the head backwards to stop the flow of gas and to disconnect the head from the valve. The head is removed manually.

**Suitable for:**
- All compact Ø valves outlets. Specify type of compact valve when ordering.

The features described in this illustration do not bind the manufacturer.
## LPG Filling Head

### for Compact LPG Valves
- 20, 21, 22, 25.6, 27 mm
- Semi-automatically Operated

### Ordering Information

<table>
<thead>
<tr>
<th>Reference Numbers</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
</tr>
</thead>
</table>
| 6882900029        | LPG: ISO 228/1 - G3/8  
Pneum. air: ISO 228/1 - G1/4 | COMPACT LPG VALVES 27 mm - type 186C and to most SHELL type valves with and without SRV |
| 6882900030        | LPG: ISO 228/1 - G3/8  
Pneum. air: ISO 228/1 - G1/4 | COMPACT LPG VALVES 20 mm type 186A - with and without SRV |
| 6882900031        | LPG: ISO 228/1 - G3/8  
Pneum. air: ISO 228/1 - G1/4 | COMPACT LPG VALVES 22 mm type 186 - with and without SRV |
| 6882900032        | LPG: ISO 228/1 - G3/8  
Pneum. air: ISO 228/1 - G1/4 | COMPACT LPG VALVES 21 mm type 186H - with and without SRV |
| 6882900033        | LPG: ISO 228/1 - G3/8  
Pneum. air: ISO 228/1 - G1/4 | COMPACT LPG VALVES 21 mm type 186H - with and without SRV |
| 6882900034        | LPG: ISO 228/1 - G3/8  
Pneum. air: ISO 228/1 - G1/4 | COMPACT LPG VALVES 25.6 mm type 186 - with and without SRV |
The features described in this illustration do not bind the manufacturer.

**MATERIALS AND STANDARDS**

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

**FEATURES**

1. Slim design makes it easy to handle and it fits easily inside any shroud.
2. Manual ON/OFF handle at the top is used for open/close of the gas flow and for attaching/detaching the valve outlet thread.
3. The LPG inlet is placed at a sufficient distance from the valve connection allowing the inlet to be above most cylinder shrouds.

**COLOUR**

The Filling Head is supplied in the natural colors of the raw material.

**Inlet connection:** LPG: 1/4” NPT.

**Outlet connection:** Connects to camping ball valve with female threaded outlet M16 x 1.5 mm. Valves without and without PRV.

**Supply pressures:** The Filling Head is designed to operate within the normal supply pressures.
- Filling time as per present valve specification.

**Marking:**
- The following information is marked on the Filling Head:
  - Month and year of production (postdated by three months).
  - The code no of the Filling Head.

**Packing:**
- The Filling Heads are individually packed in cardboard boxes without instructions.

**Function and Maintenance:**
- The Filling Head is easy to operate. The threaded filling gun outlet is connected to the valve outlet by rotating the filling head body clockwise using the open/close handle to apply the rotation.
- After connecting and tightening the thread the flow of gas is initiated by switching the handle 180° from the closed to the open position. The internal filling head spindle will then move towards the valve sphere and open the valve.
- When the filling operation should end the handle on the filling head top is switched 180° back to the closed position and the filling head is disconnected by rotating the body anti-clockwise until it releases itself from the valve thread.

**Suitable for:** Omeca valve 64-0-590-2028 (see illustration above)
**LPG Filling Head**  
*for Camping Valves*  
*Manually Operated*

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900053</td>
<td>1/4&quot; NPT</td>
<td>M16 x 1,5 with and without SRV</td>
</tr>
</tbody>
</table>

---

The features described in this illustration do not bind the manufacturer.
MATERIALS AND STANDARDS
The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES
1. Insignificant loss of product (1 cm³) when the gas flow is cut off and the filling head is released from the cylinder valve.
2. Balanced jig for easy suspension between filling operations.
3. Easy to manually connect and disconnect. Filling is initiated simultaneously with the connection to the valve.
4. Slim design makes it easy to handle and it fits easily inside any shroud.

COLOUR
The Filling Head is supplied in the natural colors of the raw material (brass and aluminium) except for the clamping brace which is painted in a blue color to ensure full corrosion-resistance and longer durability.

Inlet connection: LPG: 1/4" NPT
Pneumatic air: 3/8" NPT.

Outlet connection: Connects to standard outlet male thread valves without SRV. Specify exact valve type when ordering.

Supply pressures: The Filling Head is designed to operate within the normal supply pressures.

Marking: The following information is marked on the Filling Head:
• Month and year of production (posdated by three months).
• The code number of the Filling Head.

Packing: The Filling Heads are individually packed in cardboard boxes without instructions.

Function and Maintenance:
The Filling Head is easy to operate. The clamping brace is placed around the neck of the cylinder valve.

Once the Filling Head outlet is aligned with the Cylinder valve outlet, the ball knob is pushed to allow the compressed air to fill the pneumatic cylinder. This forces the Filling head outlet to attach the cylinder valve outlet thereby obtaining a leaktight connection and simultaneously opening the gas seal initiating the LPG flow. After completing the filling operation the handle on the side of the pneumatic cylinder is pushed and the air pressure is released thereby stopping the flow of gas and the outlet disconnects from the cylinder valve. All rubber seals inside the gas section as well as the complete pneumatic cylinder can be exchanged.

Suitable for: A wide range of standard LPG handwheel valves without SRV.
**LPG Filling Head**
for Handwheel Valves
Semi-automatic Operated

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900042</td>
<td>LPG 1/4”</td>
<td>Standard Handwheel male outlet without SRV</td>
</tr>
<tr>
<td></td>
<td>AIR 3/8”</td>
<td></td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.
MATERIALS AND STANDARDS

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES

1. Insignificant loss of product when the gas flow is cut off and the filling head is released from the cylinder valve.
2. Includes anti-filling device opener.
3. Balanced jig for easy suspension between filling operations.
4. Easy to manually connect and disconnect. Filling is initiated simultaneously with the connection to the valve.
5. Slim design makes it easy to handle and it fits easily inside any shroud.

COLOUR

The Filling Head is supplied in the natural colors of the raw material (brass and aluminium) except for the clamping brace which is painted in a blue color to ensure full corrosion-resistance and longer durability.

Inlet connection: Freon: 1/4” NPT
Pneumatic air: 3/8” NPT.

Outlet connection: Connects to standard outlet male threads such as G1, G2, G4, G5, G6, G8, G11, G12 acc. to EN 12864. Valves with and without SRV.

Supply pressures: The Filling Head is designed to operate within the normal supply pressures.
Pneumatic supply: 6-10 bar. Liquid filling product: 1-20 bar
Filling time approx. 2 sec./Kg liquid at 7 bar differential pressure.

Marking: The following information is marked on the Filling Head:
  • Month and year of production (posdated by three months).
  • The code number of the Filling Head.

Packing: The Filling Heads are individually packed in cardboard boxes without instructions.

Function and Maintenance: The Filling Head is easy to operate. The clamping brace is placed around the neck of the cylinder valve.
Once the Filling Head outlet is aligned with the Cylinder valve inlet, the ball knob is pushed to allow the compressed air to fill the pneumatic cylinder. This forces the Filling head outlet to attach the cylinder valve outlet thereby obtaining a leaktight connection and simultaneously opening the gas seal initiating the FREON flow.
After completing the filling operation the handle on the side of the pneumatic cylinder is pushed and the air pressure is released thereby stopping the flow of gas and the outlet disconnects from the cylinder valve. All rubber seals inside the gas section as well as the complete pneumatic cylinder can be exchanged.
# Refrigerant Gases Filling Head

for Handwheel Valves

**Semi-automatic Operated**

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Reference Numbers</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900043</td>
<td>Refrigerant Gases 1/4&quot;</td>
<td>Standard Handwheel male outlet with and without SRV</td>
</tr>
<tr>
<td></td>
<td>Air 3/8&quot;</td>
<td></td>
</tr>
</tbody>
</table>
MATERIALS AND STANDARDS

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES

1. Insignificant loss of product (1 cm$^3$) when the gas flow is cut off and the filling head is released from the cylinder valve.
2. Balanced jig for easy suspension between filling operations.
3. Easy to manually connect and disconnect. Filling is initiated simultaneously with the connection to the valve.
4. Slim design makes it easy to handle and it fits easily inside any shroud.

COLOUR

The Filling Head is supplied in the natural colors of the raw material (brass and aluminium) except for the clamping brace which is painted in a blue color to ensure full corrosion-resistance and longer durability.

Inlet connection: LPG: 1/4” NPT
Pneumatic air: 3/8” NPT.

Outlet connection: Connect to POL - type valves with or without Pressure Relief Valves. Specify when ordering.

Supply pressures: The Filling Head is designed to operate within the normal supply pressures.
Pneumatic supply: 6-10 bar. Liquid filling product: 1-15 bar
Filling time as per present valve specification.

Marking: The following information is marked on the Filling Head:
• Month and year of production (posdated by three months).
• The code number of the Filling Head.

Packing: The Filling Heads are individually packed in cardboard boxes without instructions.

Function and Maintenance: The Filling Head is easy to operate. The clamping brace is placed around the neck of the cylinder valve. Once the Filling Head outlet is aligned with the Cylinder valve outlet, the ball knob is pushed to allow the compressed air to fill the pneumatic cylinder. This forces the Filling head outlet to attach the cylinder valve outlet thereby obtaining a leaktight connection and simultaneously opening the gas seal initiating the LPG flow. After completing the filling operation the handle on the side of the pneumatic cylinder is pushed and the air pressure is released thereby stopping the flow of gas and the outlet disconnects from the cylinder valve. All rubber seals inside the gas section as well as the complete pneumatic cylinder can be exchanged.

Suitable for: All different Handwheel POL type of valves. Specify valve type and outlet when ordering.

The features described in this illustration do not bind the manufacturer.
**LPG Filling Head**

for Handwheel Valves, POL outlet

Semi-automatic Operated

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900044</td>
<td>LPG 1/4” NPT, AIR 3/8” NPT</td>
<td>Female POL thread valves with and without SRV</td>
</tr>
</tbody>
</table>
MATERIALS AND STANDARDS
The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES
1. Insignificant loss of product (1 cm³) when the gas flow is cut off and the filling head is released from the cylinder valve.
2. Balanced jig for easy suspension between filling operations.
3. Easy to manually connect and disconnect. Filling is initiated simultaneously with the connection to the valve.
4. Slim design makes it easy to handle and it fits easily inside any shroud.

COLOUR
The Filling Head is supplied in the natural colors of the raw material (brass and aluminium) except for the clamping brace which is painted in a blue color to ensure full corrosion-resistance and longer durability.

Inlet connection: LPG: 1/4” NPT.
Pneumatic air : 3/8” NPT.

Outlet connection: Connects to bayonet valves G61 acc. to EN 12864
Valves with and without PRV.

Supply pressures: The Filling Head is designed to operate within the normal supply pressures.
Pneumatic supply: 6-10 bar.
Filling time as per present valve specification.

Marking: The following information is marked on the Filling Head:
• Month and year of production (postdated by three months).
• The code no of the Filling Head.

Packing: The Filling Heads are individually packed in cardboard boxes without instructions.

Function and Maintenance: The Filling Head is easy to operate. The connector at the end of the clamping brace is pushed into the undercut of the bayonet. Once the Filling Head outlet is aligned with the cylinder valve outlet, the ball knob is pushed to allow the compressed air to fill the pneumatic cylinder.
This forces the Filling head outlet to attach the cylinder valve outlet thereby obtaining a leak-tight connection and simultaneously opening the gas seals initiating the LPG flow.
After completing the filling operation the handle on the side of the pneumatic cylinder is pushed and the air pressure is released thereby stopping the flow of gas and the outlet disconnects from the cylinder valve. The connector is then removed from the valve. All rubber seals inside the gas section as well as the complete pneumatic cylinder can be exchanged.

Suitable for: Omeca valves 66-0-290-0136, 66-0-290-0145
LPG Filling Head
for Bayonet Valves
Semi-automatic Operated

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900046</td>
<td>LPG 1/4” NPT</td>
<td>Automatic bayonet valve with and without SRV</td>
</tr>
<tr>
<td></td>
<td>AIR 3/8” NPT</td>
<td></td>
</tr>
</tbody>
</table>
MATERIALS AND STANDARDS

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES

1. Insignificant loss off product (1 cm$^3$) when the gas flow is cut off and the filling head is released from the cylinder valve.
2. Balanced jig for easy suspension between filling operations.
3. Easy to manually connect and disconnect. Filling is initiated simultaneously with the connection to the valve.
4. Slim design makes it easy to handle and it fits easily inside any shroud.

COLOUR

The Filling Head is supplied in the natural colors of the raw material (brass and aluminium) except for the clamping brace which is painted in a blue color to ensure full corrosion-resistance and longer durability.

Inlet connection: LPG: 1/4” NPT.
Pneumatic air: 3/8” NPT.

Outlet connection: Connects to Omeca Coupling 66-0-290-1024

Supply pressures: The Filling Head is designed to operate within the normal supply pressures.
Pneumatic supply: 6-10 bar.
Filling time as per present valve specification to which the coupling is connected.

Marking: The following information is marked on the Filling Head:
• Month and year of production (postdated by three months).
• The code no of the Filling Head.

Packing: The Filling Heads are individually packed in cardboard boxes without instructions.

Function and Maintenance: The Filling Head is easy to operate. The connector at the end of the clamping brace is placed around the neck of the Coupling. Once the Filling Head outlet is aligned with the Coupling outlet, the ball knob is pushed to allow the compressed air to fill the pneumatic cylinder. This forces the Filling head outlet to attach the Coupling outlet thereby obtaining a leaktight connection and simultaneously opening the gas seals initiating the LPG flow. After completing the filling operation the handle on the side of the pneumatic cylinder is pushed and the air pressure is released thereby stopping the flow of gas and the outlet disconnects from the Coupling. All rubber seals inside the gas sections as well as the complete pneumatic cylinder can be exchanged.

Suitable for: Omeca valve 66-0-290-1024 (see illustration above)
**LPG Filling Head**

for Coupling 66-0-290-1024

Semi-automatic Operated

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900047</td>
<td>LPG 1/4” NPT</td>
<td>Omeca coupling</td>
</tr>
<tr>
<td></td>
<td>AIR 3/8” NPT</td>
<td>66.0.290.1024</td>
</tr>
</tbody>
</table>
MATERIALS AND STANDARDS

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

FEATURES

1. Insignificant loss of product (1 cm$^3$) when the gas flow is cut off and the filling head is released from the cylinder valve.
2. Balanced jig for easy suspension between filling operations.
3. Easy to manually connect and disconnect. Filling is initiated simultaneously with the connection to the valve.
4. Slim design makes it easy to handle and it fits easily inside any shroud.

COLOUR

The Filling Head is supplied in the natural colors of the raw material (brass and aluminium) except for the clamping brace which is painted in a blue color to ensure full corrosion-resistance and longer durability.

Inlet connection: LPG: 1/4" NPT
Pneumatic air: 3/8" NPT.

Outlet connection: Connects to POL - type OPD valves with or without SRV.

Supply pressures: The Filling Head is designed to operate within the normal supply pressures.
Pneumatic supply: 6-10 bar. Liquid filling product: 1-15 bar
Filling time as per present valve specification.

Marking: The following information is marked on the Filling Head:
• Month and year of production (posdated by three months).
• The code number of the Filling Head.

Packing: The Filling Heads are individually packed in cardboard boxes without instructions.

Function and Maintenance: The Filling Head is easy to operate. The clamping brace is placed around the neck of the cylinder valve.
Once the Filling Head outlet is aligned with the Cylinder valve outlet, the ball knob is pushed to allow the compressed air to fill the pneumatic cylinder. This forces the Filling head outlet to attach the cylinder valve outlet thereby obtaining a leak-tight connection and simultaneously opening the gas seal initiating the LPG flow. After completing the filling operation the handle on the side of the pneumatic cylinder is pushed and the air pressure is released thereby stopping the flow of gas and the outlet disconnects from the cylinder valve. All rubber seals inside the gas section as well as the complete pneumatic cylinder can be exchanged.

Suitable for: OPD valves with POL female outlet.
LPG Filling Head
for Handwheel Valves, OPD - type
Semi-automatic Operated

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900050</td>
<td>LPG 1/4”</td>
<td>OPD - female POL thread valve with check-lock with and without SRV</td>
</tr>
<tr>
<td></td>
<td>AIR 3/8”</td>
<td></td>
</tr>
</tbody>
</table>
APPLICATIONS
LPG outlets without access to pressurized air as well as plants where pressurization or vacuum purging of cylinders is required.

FEATURES
Safe operation, easily connected and manually operated.

SPECIFICATIONS
Inlet connection: 1/4” NPT male thread
Outlet connection: Connects to 1.312-5 ACME-2G, RH, EXT.
Supply pressures: LPG, pressurized air or vacuum.
Function and Maintenance: The filling adapter is manually connected to a standard handwheel valve having a small ACME male outlet. The front end of the filling adapter slides easy over the male acme thread and creates a firm connection. Next, the adapter handle, and thereby the internal spindle, is moved forward to seal the spindle leak tight to the valve outlet. Simultaneously, the internal spindle opens its spring loaded seat and then the LPG flows into the cylinder. After the filling, the operations are reversed and the internal spindle automatically closes the flow of LPG before it is disconnected from the valve.
# LPG Filling Head

for Handwheel Valves

with ACME Thread

Manually Operated

## Ordering Information

<table>
<thead>
<tr>
<th>Reference Numbers</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900055</td>
<td>1/4&quot; NPT male thread</td>
<td>1.312-5 ACME - RH - EXT</td>
</tr>
</tbody>
</table>
APPLICATIONS
LPG outlets without access to pressurized air as well as plants where pressurization or vacuum purging of cylinders is required.

FEATURES
Safe operation, easily connected and manually operated.

SPECIFICATIONS
Inlet connection: 1/4” NPT male thread
Outlet connection: Connects to most standard POL valves.
Supply pressures: LPG, pressurized air or vacuum.
Function and Maintenance: The filling adapter is manually connected to a standard handwheel valve having a POL outlet. The hook shaped front end of the filling adapter slides easy to be back side of the valve and creates a firm connection. Next, the adapter handle, and thereby the internal spindle, is moved forward to seal the spindle leak tight to the valve outlet. Simultaneously, the internal spindle opens its spring loaded seat and then the LPG flows into the cylinder. After the filling, the operations are reversed and the internal spindle automatically closes the flow of LPG before it is disconnected from the valve.
## Ordering Information

<table>
<thead>
<tr>
<th>Reference Numbers</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900056</td>
<td>1/4&quot; NPT male thread</td>
<td>Standard POL valves</td>
</tr>
</tbody>
</table>
**MATERIALS AND STANDARDS**

The Filling Head is made of corrosion-resistant materials such as stainless steel, brass, aluminium and special polymers. The rubber materials used are developed and manufactured according to the requirements of EN 549.

**FEATURES**

1. Easy and safe to connect and disconnect. Filling is initiated by operating the manual handle.
2. Slim design makes it easy to handle and it fits easily inside any shroud.
3. Safety lock for disconnection
4. The safe valve connection assures that the LPG can only flow when the filling head is leak tight connected to a filler valve.

**Inlet connection:** 3/4” NPT

**Outlet connection:** 1 3/4” x 6 ACME - 2g connects to Cavagna filler valves like 66.0.290.1026

**Supply pressures:** The Filling Head is designed to operate within the normal LPG supply pressures. Liquid filling product: 1-15 bar

**Marking:** The following information is marked on the Filling Head:
- Month and year of production (postdated by three months).
- The code number of the Filling Head.

**Packing:** The Filling Heads are individually packed in boxes without instructions.

**Function and Maintenance:**
- The Filling Head is easy and safe to operate. The head outlet is attached leaktight to the valve inlet manually. While pressing down the manual handle the filling head spindle opens and the gas starts to flow.
- When the tank is full the filling is stopped and the filling head is removed by unscrewing the nut manually.
- By checking the safety lock and the manual handle reverses.
**LPG Filling Head**

for Tank Filler Valves
Manually Operated

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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>REFERENCE NUMBERS</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6882900057</td>
<td>3/4&quot; NPT</td>
<td>1 3/4&quot; x 6 ACME - 2g</td>
</tr>
</tbody>
</table>

filler valve example: 66.0.290.1026

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The features described in this illustration do not bind the manufacturer.
<table>
<thead>
<tr>
<th>VALVES</th>
<th>SEMI-AUTOMATIC</th>
<th>MANUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kosanova 16 mm type 176A, 130K</td>
<td>6882900027</td>
<td>6882900007 6882900008</td>
</tr>
<tr>
<td>Kosanova 16 mm type 176A</td>
<td>Not applicable</td>
<td>6882900025 6882900026</td>
</tr>
<tr>
<td>Jumbo, Kosan type 130B</td>
<td>6882900020 6882900021</td>
<td>6882900001 6882900002 6882900003</td>
</tr>
<tr>
<td>Kosanova 16 mm 130 K</td>
<td>6882900027</td>
<td>6882900004</td>
</tr>
<tr>
<td>Kosanova 19 mm 130L</td>
<td>6882900023 6882900024</td>
<td>6882900005 6882900006</td>
</tr>
<tr>
<td>Compact 20 mm</td>
<td>6882900030</td>
<td>6882900009 6882900010 6882900011</td>
</tr>
<tr>
<td>Compact 21 mm</td>
<td>6882900032 6882900033</td>
<td>6882900015 6882900016 6882900017</td>
</tr>
<tr>
<td>Compact 22 mm</td>
<td>6882900031</td>
<td>6882900013 6882900014</td>
</tr>
<tr>
<td>Compact 25,6 mm</td>
<td>6882900034</td>
<td>6882900018</td>
</tr>
<tr>
<td>Compact 27 mm</td>
<td>6882900029</td>
<td>6882900012</td>
</tr>
<tr>
<td>Camping valve 64.0.590.2028</td>
<td></td>
<td>6882900053</td>
</tr>
<tr>
<td>Standard Handwheel Valve Male thread</td>
<td>6882900042</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Standard Handwheel Valve POL outlet</td>
<td>6882900044</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Omeca valve 67.0.490.0780</td>
<td>6882900045</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bajonet valves 66.0.290.0136 66.0.290.0145</td>
<td>6882900046</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Omeca coupling 66.0.290.1024</td>
<td>6882900047</td>
<td>Not applicable</td>
</tr>
<tr>
<td>OPD valves Type 1 ACME American valves</td>
<td>6882900050</td>
<td>Not applicable</td>
</tr>
<tr>
<td>3/8&quot; SAE Flare outlet 80.0.390.2062</td>
<td>6882900051</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Standard Handwheel Valve POL outlet</td>
<td></td>
<td>6882900044 6882900056</td>
</tr>
<tr>
<td>OPD valves Type 1 ACME American Valves</td>
<td>6882900050 6882900055</td>
<td></td>
</tr>
<tr>
<td>Filler Valve 1 3/4&quot; x 6 ACME 66.0.290.1026</td>
<td>Not applicable</td>
<td>6882900057</td>
</tr>
</tbody>
</table>

The features described in this illustration do not bind the manufacturer.