More than 50 sheep and goat breeds are milked worldwide. DeLaval has a range of clusters to fit every case, including the Almatic™ cluster range - S10/G10/G50+

**Tried and tested**
Almatic™ clusters have been successfully tried and tested by DeLaval customers the world over for more than 30 years. The main feature of the Almatic™ concept is the automatic shut-off valve which is integrated into the teat cup. This makes the cluster very easy to use by reducing the number of manual operations for the milker. It also avoids accidental air entrance during attachment or if the cluster falls, due to kick-off.

**Lightweight cluster with high flow capacity**
The G50+ clusters have been specifically designed for flocks of high-yielding goats. The special membrane/valve system balances out vacuum and flow variations to help ensure fast, complete milk-out even at high flow rates of up to 8 litres/minute.
**Teat cup with integrated valve**

**Fully automatic**
Simply attach and detach as you wish. There is no manual opening or closing of valves, clips or other devices in the G50+ clusters. You do not have to hold your thumb over the liner mouth either - the valve eliminates vacuum fluctuations by staying closed until the teat is inside the liner.

**Improved ergonomics with the G50+**
The blue teat cup is easier to handle during milking and the transparent bottom section gives clear visibility. To clean the Almatic™ cluster G50+, simply place the teat cups inside the jetter cups and set the wash running!

**Minimises lipolysis to control quality**
If a high proportion of milk fat globules are destroyed, a process called lipolysis, cheese made from that milk will be of poor quality and flavour. Lipolysis is measured by evaluating the level of free fatty acids (FFA) in milk. Our trials show that Almatic™ clusters minimise the FFA significantly in milk, compared to similar goat clusters. The reason is due to the calibrated air bleed which introduces air in the direction the milk flows, reducing milk turbulence and preserving fat globules.

**How it works**
The valve attached to the rubber membrane opens as soon as the teat is placed inside the liner and vacuum then increases in the liner chamber. At take-off or if the teat cup is accidentally removed, the valve moves down and shuts off the vacuum. During cleaning, the jetter fulfils the same function as the teat, by keeping the cluster open.

**Long lasting parts**
Almatic™ teat cups are durable and are made of a strong polysulphone plastic. An improved, longer life bayonet opening system makes mounting and dismounting easier too.

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**G50+ teat cups**

<table>
<thead>
<tr>
<th>Material</th>
<th>Polysulphone plastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>150 g</td>
</tr>
<tr>
<td>Height</td>
<td>200 mm</td>
</tr>
<tr>
<td>Pulse inlet</td>
<td>(D/d) 10/7 mm</td>
</tr>
<tr>
<td>Milk outlet</td>
<td>(D/d) 13/10 mm</td>
</tr>
</tbody>
</table>

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