



### 1. Spray jet control in the Ex - range

For the spray jet control in the Ex – range (zone 0) the most suitable system is a unit which comes without electronically components in the Ex – zone, but with fiber optics. With the optical fiber type **D-S-Q4-28x0.2-1200-67°** in connection with an **A-LAS-CON1-FIO** a

spray jet control in the Ex – range can be realized. At this the detecting width is approximately 28mm and the maximum distance between the optical fiber heads of the receiver and transmitter can be 150mm. At the output of the **A-LAS-CON1-FIO** there is an analogue signal available (0V ... +10V or 4mA ... 20mA) which informs about the amount of spray or density of the spray jet (can be chosen in the software) and furthermore digital signals which informs, whether the amount or density of the spray jet is in tolerance.

