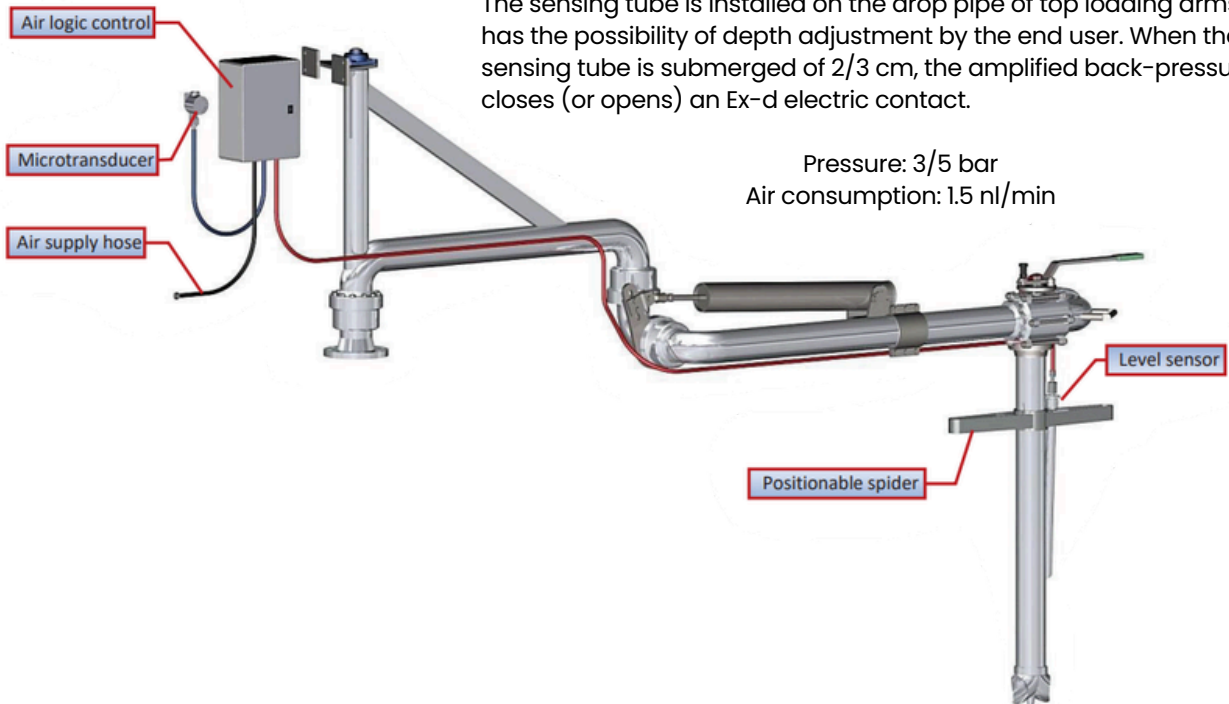


Overfilling Prevention Systems

The pneumatic level control units rely on first class components assembled in a protective stainless steel box to prevent severe wear-and-tear damage and ensure long life and reliability.

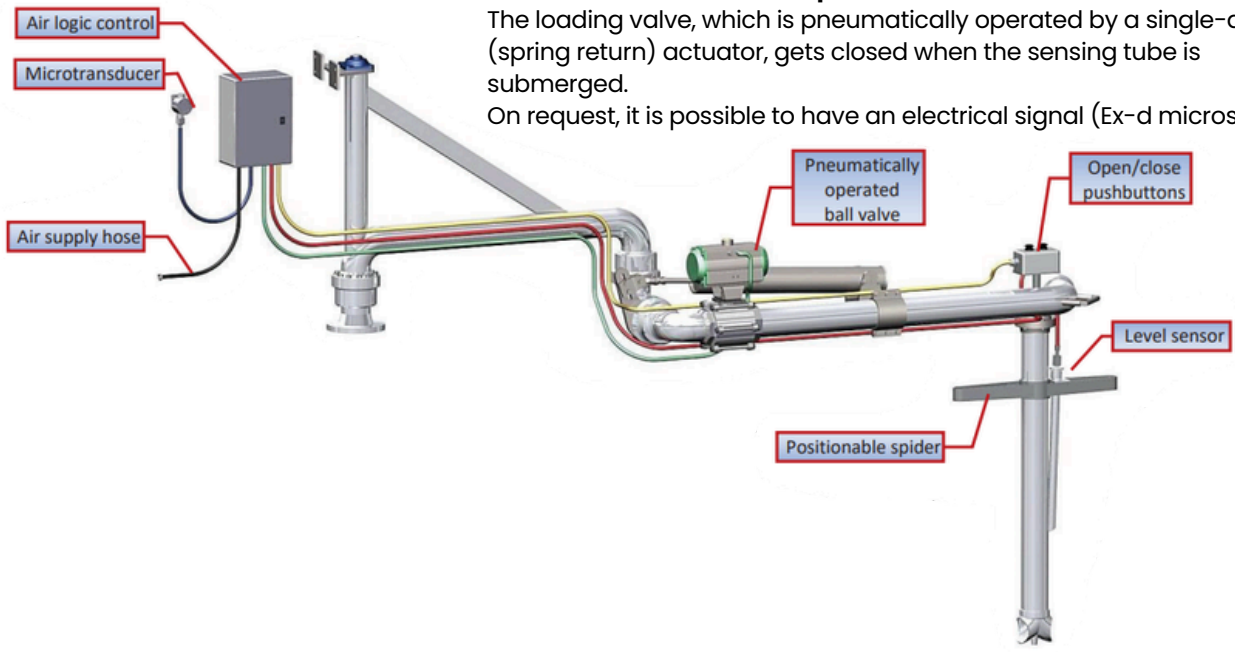
Model 2794 pneumatic overflow alarm

The sensing tube is installed on the drop pipe of top loading arms and it has the possibility of depth adjustment by the end user. When the sensing tube is submerged of 2/3 cm, the amplified back-pressure closes (or opens) an Ex-d electric contact.



Model 2794 pneumatic overflow alarm

The loading valve, which is pneumatically operated by a single-action (spring return) actuator, gets closed when the sensing tube is submerged. On request, it is possible to have an electrical signal (Ex-d microswitch).



Other than pneumatic level control systems, electrical level sensors can also be used. These units use a vibrating probe and an electronic unit (certified Ex-d or Ex-ia). They are installed on the drop pipe of top loading arms and have possibility of depth adjustment by the end user. When the product gets in contact with the probe, this provides a signal to the electronic unit that, with a proper electrical connection to the automatic closing system, will close the valve. Concerning bottom loading arms, high-level control is ensured by a special device on tank trucks, which is connected to the control logic on the plant. These systems are purchased from selected suppliers.