



Pressure Measurement in Agriculture



Application:

Bourdon tube pressure gauges for agricultural field sprayers

for manufacturers of field sprayers, service workshops



In agriculture, sprayers for fertilisers or insecticides/pesticides are used. These constructions have to withstand difficult operation conditions.

The problem:

Due to small nozzle cross sections, which moreover tend to clog, the pressure can exceed the normal operating pressure considerably when starting abruptly.

Our solution:

For this application, our instruments are protected particularly against overpressure. In the working area, the scale is divided linearly up to approx. 235°. Beyond that, the overpressure area starts, which reaches a pointer movement of 270°. Precise reading in the working area and simultaneous overpressure protection of the pressure gauge is possible.

A robust version and overpressure protection: RKG 63 or 100

- ◆ Wetted parts brass/bronze or for aggressive media 316 L stainless steel
- ◆ Wear resistant movement
- ◆ Case filling glycerine
- ◆ Robust plastic screw ring case
- ◆ Other cases upon request, e. g. bayonet ring case stainless steel
- ◆ Damping device against sudden impacts when starting the pump
- ◆ Scale with linear division, e.g. 0 – 5 bar over 235°, and overpressure range with 5 – 25 bar of 235 – 270°
- ◆ Coloured spans on the scale (green, red or the like)

