

ARMANO

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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 systems 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 operating range, the scale is divided linearly up to approx. 230°. Beyond that, the overpressure range starts, which reaches a pointer deflection of 270°. Precise reading in the operating range 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 stainless steel 316L
- ◆ Wear-resistant movement
- ◆ Case filling glycerin
- ◆ 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 from 235 – 270°
- ◆ Coloured fields on the scale (green, red, etc.)



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