

# Magnetic Level Indicator MAGNA-VOX Type 75/142-2 S, PN 100

The magnetic level indicator MAGNA-VOX 75/142-2 S is a pressure resistant steel tube system with magnetic level transmission to a magnetic indication rail. The special float design for high pressure and low specific gravity makes the indicator suitable for all applications in chemical industry, petrochemical plants and for heating boiler equipment.

## Design

The design of the tube system is made in acc. to the relevant German rules (TRD, AD). \*\*

design EExc for Ex-application \*\*  
in accordance to certificate TÜV 05 ATEX 2717X

tube system:  
wetted parts made of stainless steel mat. 1.4571

connection: standard DIN-flanges DN15 - DN25,  
other size, other standards, other design  
(welding ends, thread ends) available on request

gasket of cover flange: inlayed thin sheet  
mat. 1.4401 with cover of graphite

float with mechanical guide  
rail arrangement (A-B-C) according customer's request

float made of titanium mat. 3.7035 suitable for min.  
specific gravity 600 kg/m<sup>3</sup> (E = 450 mm)

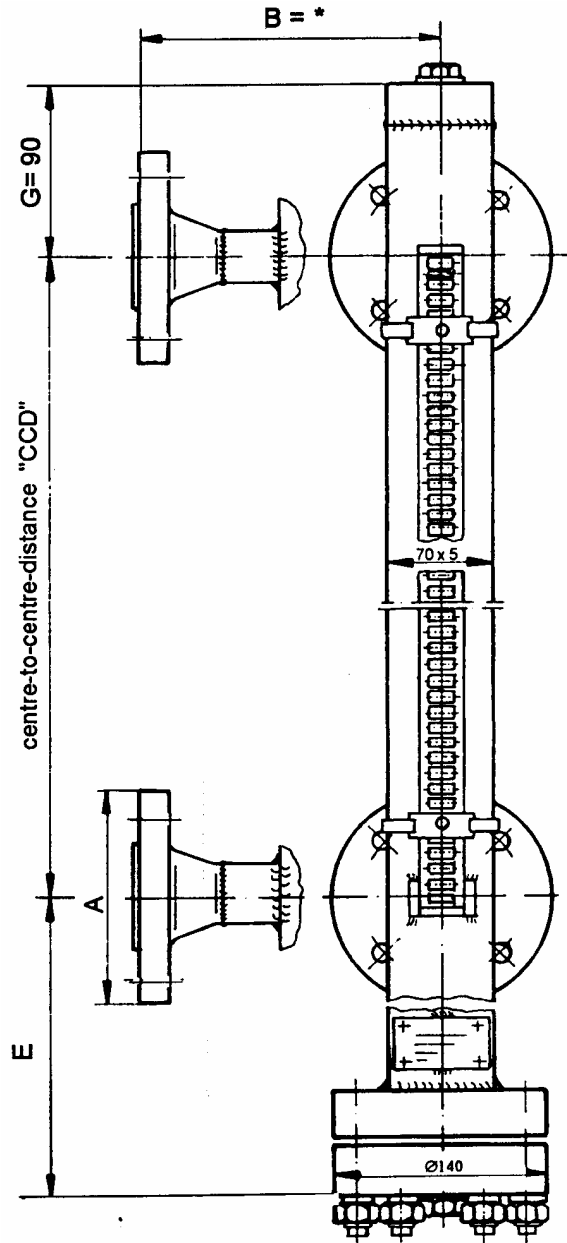
indication rail made of aluminium alloy  
AlMgSi 0,5 with glass cover plate

## Additional equipment

(see separate data sheet)  
magnetic switch type 75/90  
magnetic switch type 75/51 (inductive approx. switch)  
magnetic switch type 75/80 (small signal only)  
sensor type 75/F for remote indication  
scale with graduation acc. customer's request  
heating for frost protection, different design  
drain valve type 68/13, G 1/2  
shut off valves

\* according connection flange

\*\* if wanted please order, design possibly different from drawing



arrangement:



## Order data

flange size "A", centre-to-centre distance "CCD", kind of fluid,  
spec. gravity of fluid, operating pressure, operating  
temperature, arrangement indication rail (A-B-C)

design pressure	design temperature
100 bar	-10 up to 120 °C
80 bar	-10 up to 200 °C
70 bar	-10 up to 250 °C
all values for DIN flanges special designs -196 up to 400 °C	

