

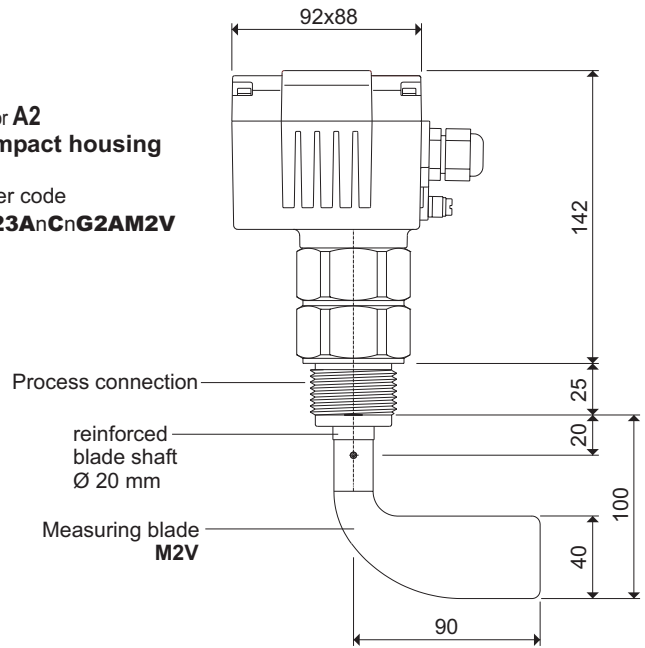
Full, empty and demand indicator

for any mounting position
with reinforced blade shaft

Signal contact	2 A / 250V AC potential-free
Type of protection	IP 66 in accordance with DIN EN 60529
Maintenance	none

**A1 or A2
Compact housing**

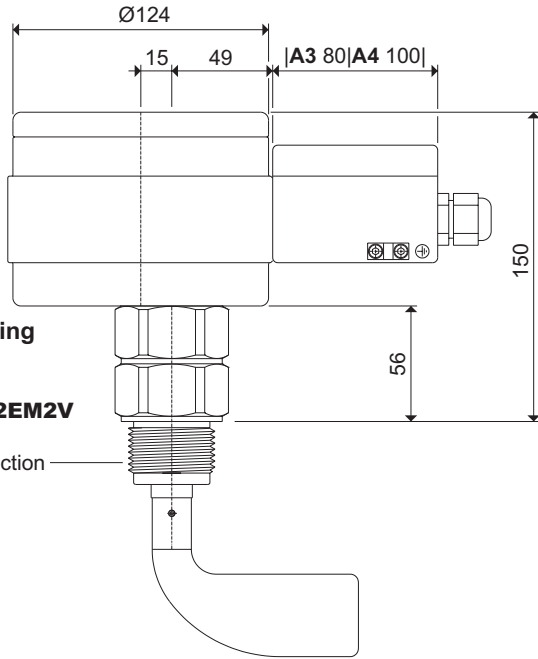
Order code
DF23AnCnG2AM2V



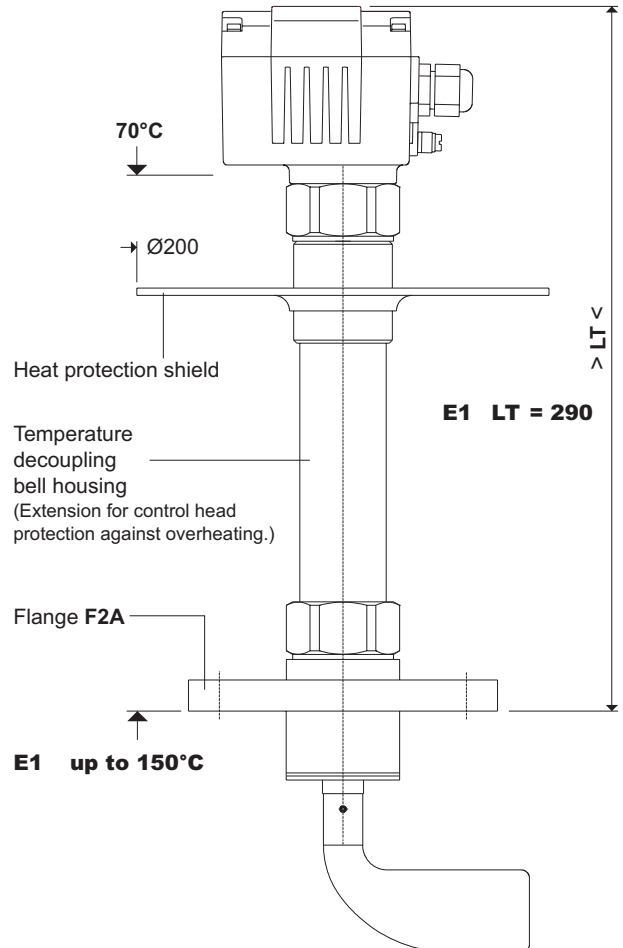
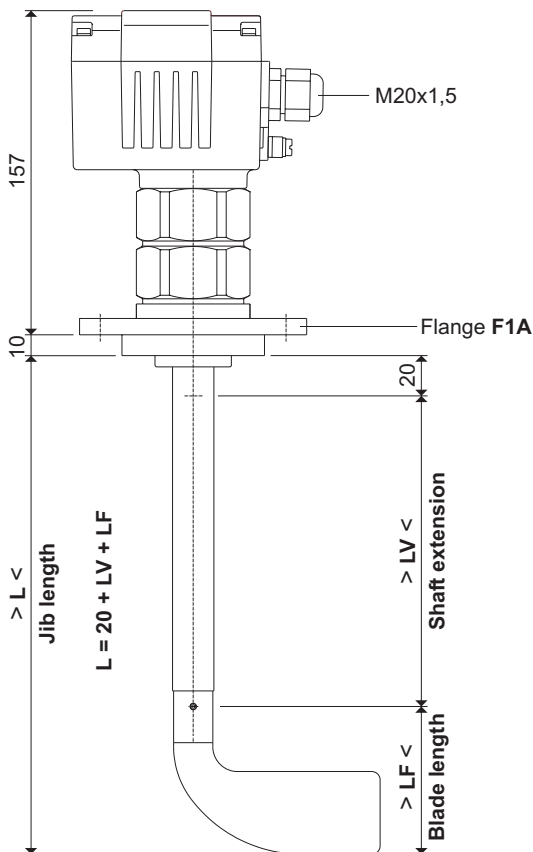
**A3 or A4
Round housing**

Order code
DF23AnCnG2EM2V

Process connection



You will find further technical details
under appliance information **DF-GI-..**



Rotary blade level indicators

Level limit switches for bulk goods

DF23

4 housing versions to choice

Housing selection
 A1 Compact aluminium housing Standard and ATEX Dust
 A2 Stainless steel compact housing .. Standard and ATEX Dust
 A3 Aluminium round housing ATEX II 1D2G/2GD EEx de IIB T6 T70°C IP66 Gas+Dust
 A4 Stainless steel round housing ATEX II 1D2G/2GD EEx de IIB T6 T70°C IP66 Gas+Dust

Choice of options

Certifications, certificates, approvals

- B0 Standard and ATEX II 3/3D T80°C IP66 Dust
- B1 ATEX II 1/2D T80°C IP66 Dust
- B2 ATEX II 1D T70°C IP66 Dust ^{D2)}.....
- B3 ATEX II 1/3D T80°C IP66 Dust
- B9 Further approvals on request

Supply voltage

- C1 220...240V AC (50...60Hz)
- C2 110...120V AC (50...60Hz)
- C3 48V AC (50...60Hz)
- C4 24V AC (50...60Hz)
- C5 24V DC
- C9 Special voltages on request

Self-monitoring

- D0 Without monitoring
- D1 Function monitoring
- D2 Voltage monitoring

Signal lamps¹⁾

- H0 Standard = with function LEDs
- H1 Collar for function LEDs
- H2 Signal lamp, LED green
- H8 Large signal lamp, LED green.....

Bulk goods temperature

- E0 Standard = -25°C...+80°C ²⁾...
- E1 -25°C...+150°C
- E7 Appliance heating 2,5 Watt ¹⁾...

Container pressure

- P0 Standard = -0.5...5 bar ³⁾..
- P1 -0.5 bar...10 bar
- P2 -0.1 bar...10 bar ⁴⁾
- P5 -0.9 bar...1 bar ⁴⁾
- P6 -0.9 bar...10 bar
- P7 -0.9 bar...10 bar ⁴⁾

Process connection

- G2 Thread G¹/₄" DIN/ISO 228 X X
- G3 Thread G¹/₂" DIN/ISO 228 X X
- G4 Thread G2" DIN/ISO 228 X X
- F1 Flange F70 Ø110, 4xØ9/Ø90 X X
- F2 Flange F100 150x150, 4xØ18/Ø170..... X X
- F6 Flange DN100 PN 6..... X X
- F9 Other flanges on request

Material of process connection

- A Aluminium
- E Stainless steel

Measuring blade

- M0 Without measuring blade
- S2 Socket blade 120x30 inclined .. X X
- SG Socket blade 120x8..... X X
- M2 Socket blade 90x40..... X X
- T1 Blade T50 98x50..... X X
- M9 Other measuring blades.... on request

Blade reinforcement

- Without reinforcement
- V With reinforcement

Jib extension

- Standard Shaft length (LV0000 not applicable)
- LV Shaft extension, reinforced shaft every 100 mm

0 0 0 0 enter required length, up to max. 2000 mm in 100 mm steps

DF23

Order code

Supplies

- DF-SH Weather protection hood in PVC, RAL 7001
Certificated only for zone 22 and in non-hazardous areas
- DF-SM2 Hexagonal nut G1¹/₄"
- DF-SM3 Hexagonal nut G1¹/₂"
- DF-SM4 Hexagonal nut G2"

Material of nuts

- A Aluminium
- E Stainless steel

- DF-KV1 Second cable union for standard version
- DF-KV2 Second cable union for ATEX version

^{D2)} delivery only together with D2 or D1

- 1) **not** available together with B1, B2, A3 and A4
 - 2) max. bulk goods temperature at B2 = -20°C...+45°C
 - 3) container pressure at B1, B2 and B3 = -0.08bar...+0.08bar (-80...+80mbar)
 - 4) with pressure decoupling bell housing DF-P2, -P5 and -P7
- !!! usage for differences in pressure with B1, B3, A3 and A4 !!!



B0, D0, H0, E0, P0 and M0 are **not needed** for order code

Standard with

- R6 Sealing ring in NBR black
- suitable for the majority of bulk goods

Options only for special applications:

- R7 Sealing ring in Viton/Teflon
- R9 Other sealing rings .. on request

Z Bearing in stainless steel.....
add as suffix to selected connection e.g. G4EZ

Measuring blade passes through tight hole of:

- G2, G3, G4 and all flanges
- G2, G3, G4 and all flanges
- G3, G4 and all flanges
- F2, F6, F7

All larger dimensioned blades **cannot** be inserted through the tight holes and must be mounted from the inside