



DIAPHRAGM SEALS

Flanged Diaphragm Seals

Data Sheet D FL

Service Intended

Suitable for hot, aggressive gaseous and liquid media under extreme conditions. Diaphragm gauges are suitable for viscous, crystallising or polluting media. Typical applications will be in the petrochemical and chemical process industry.

Case Details

Nominal Dia: 100 & 160mm
Material: Stainless steel 304.

Bezel

Type T: S/Steel bayonet lock, twist type - removable
Type R: S/Steel rolled ring - tamper proof
Material: Stainless steel 304

Pressure Connections

Flanged: To required flange specifications.
Material: Stainless steel 316, other special materials to required specifications.
Sizes : DN 25 to DN 125 in Class 10 to 250 to required specifications.
Position: Radial bottom connection only.
Range : 60 kPa to 25 MPa
Gaskets: PTFE when bolted.

Measuring System

Diaphragm / bourdon tube filled system.

Diaphragm

Material: Stainless steel 316 welded to upper housing, other special / exotic materials on request.

Geared Movement

Material: Clockwork brass or stainless steel.

Pointer

Collet: Aluminium or brass
Blade: Black aluminium

Dial

Material: Aluminium, white with black lettering.

Window

Instrument glass or plexiglass. (*Plexiglass recommended for food applications*)

Weather Protection

IP 65 Dust & weather proof.

Working Pressure

Steady: Full scale value
Fluctuating: 90% of full scale value
Short Period: 130% of full scale value

Accuracy Class

Class 1

Operating Temperature

Ambient: -20°C to + 60°C
Medium: + 100 °C
Error: 0,5% of fsd / 10°C above or below 20°C

Optional Extras

Glycerine filling of case
Calibration Certificate
Customized scale plates (*customer logo, red line, etc*)
Special Dials, other than standard (*dual scale, bar, psi*)
Colour Coding of dial
Drag pointer (*maximum set pointer*)
Micro adjustable pointer
Single or double electrical contacts
Cooling tower
Capillary Extensions



BOLTED DIAPHRAGM



WELDED DIAPHRAGM