

Pressure gauge with diaphragm seal series CHS

Design for homogenizing systems
St. steel case & Diaphragm

General features

- Chemical seal pressure for homogenizing system
- German movement and sensing element
- Pressure ranges from 0...60 bar to 0...600 bar
- Block flange homogenizer, 316L stainless steel
- Degree of Protection

Application area

- Homogenizing
- Fluid with high viscosity, temp. and pressure
- Food, beverage, pharmaceutical, biotechnology
- Cemical, Biochemical

General specification

Dial Size

63mm, 80mm, 100mm

Pressure ranges

0...40 to 0...1,000 bar

Accuracy class

Accuracy (DIN EN 837-1) class

1.6 for 63mm, 80mm

1.0 for 100mm

Temperature

operating temperature ranges
(ambient and measured medium)

-20...+60°C

storage temperature

-20...+60°C

Degree of protection (DIN EN 60 529/IEC 529)

IP 65

Case and bezel ring

Material: 304 St. steel

bayonet ring

with blow-out disc at the top of the case

Type of mounting

Bottom connection



Pressure gauge with chemical seal series CHS

Process Connection

316L Stainless steel

Connection for homogenizing systems Ø23.8
immersion length 13mm

Block flange

316L Stainless steel

Dimension 95(W) X 43(L) X 28(H) mm

Can be produced without block flange

Diaphragm

316L Stainless steel

Window

Instrument safety glass

System filling

Glycerine / Water mixture (STD)

- have good physical properties

- temperature of pressure transmission fluid -30...+110°C

Option

case filling 85%

- Glycerine

Food grade silicone (OPTION)

- Complies with FDA 21 CFR 178.3570

- NSF H-1 Class Approval

- General purpose food grade silicone

- temperature of pressure transmission fluid -60...+300°C

- up to 400 bar

Ordering information

Model code

CHS

Dial size

3 : 63 mm
4 : 80 mm
5 : 100 mm

Mounting

1 : Bottom Connection

Liquid filling

0 : Dry type
1 : Glycerin

Process connection

B1 : Block flange
B2 : without block flange

Option

Refer to option table

System filling

GW : Glycerine / water mix
FG : Food grade silicon

Pressure range

Refer to pressure range table

Unit of measurement

B : bar D : dual scale
M : MPa X : others
P : psi

Pressure range code, unit bar

Code	Range
R39	0...40 bar
R41	0...60 bar
R43	0...100 bar
R45	0...160 bar
R47	0...250 bar
R50	0...400 bar
R53	0...600 bar
R55	0...1000 bar
R56	0...1600 bar
YY	Others

Option code

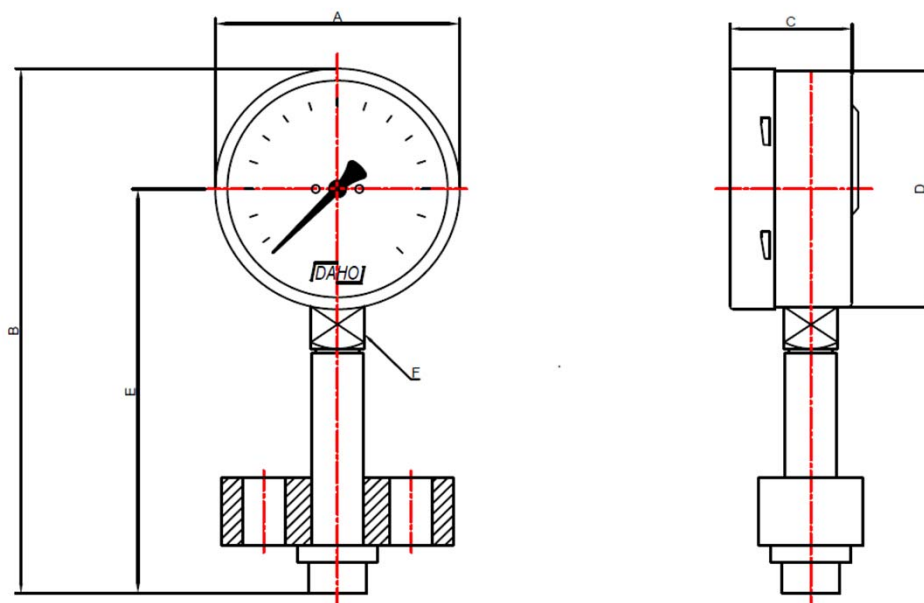
Code	Description	Code	Description
ND	New dial design	TP	St. stell tag plate, 60 x 20 x 0.5t
NF	New dial face printing cost per pcs	MC	Manufacture calibration certificate
GM	Green marking per pcs	KC	KOLAS Ilac-MRA calibration certificate
CD	New dial face design with company logo	R	Reed switch
RS	Restrictor screw in socket hole for high pulsation	SN	Snubber
UC	U-clamp for back connection, steel	AD	Adaptor
NO	"USE No OIL" per pcs, at least ≥ 10 pcs	CC	Certificate of conformance / orign
OF	Oval 3-hole front flange	PM	2" Pipe mounting bracket
MP	Maximum pointer	NC	Ni-Cr Plate
BB	Bayonet bezel ring for MBX5	AL	Aluminium pointer for MBX3

How to Order

CHS.511.B1BR50GW.GM

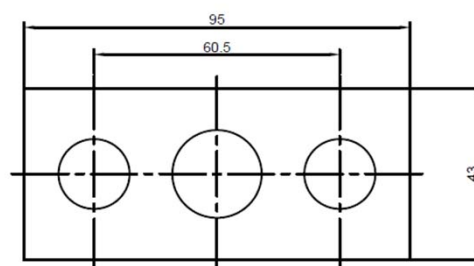
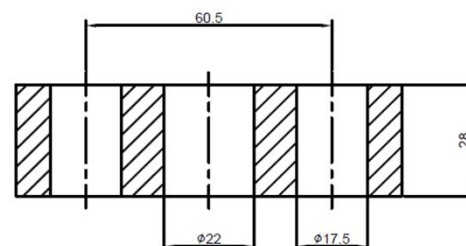
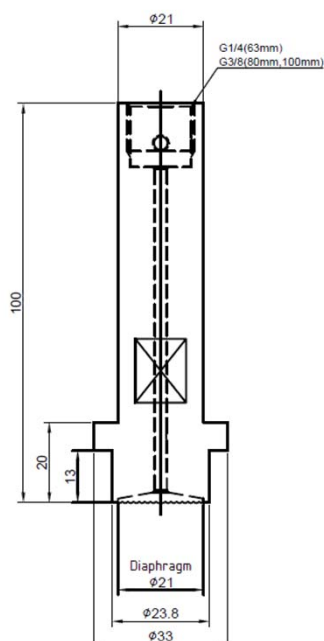
CHS, 100 mm, Bottom Connection, Glycerine, Block Flange, 0...400 bar, System Glycerine/Water mixture, Green marking

Outline drawing



[Outline Dimension]

Dial Size	Model	A	B	C	D	E
63mm	CHS3	68	191	32	62.5	157
80mm	CHS4	86	210	36	78	167
100mm	CHS5	100	240	48	97	190



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