Baumer
Passion for Sensors

DG

Diaphragm Seal
Heavy duty mini seal

GOST - R

GOST

Special Features

- All AISI 316 SS construction
- Light weight
- Economical
- Ideal choice for high pressure
- The diaphragm is welded to the body to ensure separation of the filling fluid from the process medium

Application

- Diaphragm seals are designed to isolate the sensing element of pressure gauges and pressure switches from process fluids that they may be corrosive, viscous, sedimentous and / or with a high temperature

Specifications

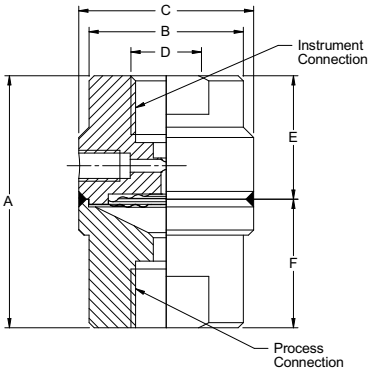
Standard Version
(Compatible models : AC, AE, AH, AI, AL, AQ, BA, BE, BI, BJ, BQ & BT)

Seal type & Range	:	S11 = -1 kg/cm² to 0 & 0 to 4 kg/cm² (Standard)
	:	S12 = 6 kg/cm² to 70 kg/cm²
	:	S13 = 100 kg/cm² to 400 kg/cm²
	:	S14 = 250 kg/cm² to 600 kg/cm²
Process temperature	:	- 40 °C to 200 °C or as per fill fluid
Instrument connection	:	½" BSP (F)
	:	1/4" BSP (F) for type S14
Process connection	:	½" BSP (M)
	:	1/4" BSP (F) for type S14
Fill fluid	:	Silicon Oil - DC 200
Mounting	:	Direct (without capillary)

Diaphragm	:	AISI 316L SS
Body	:	AISI 316 SS

Dimensions - Standard Version

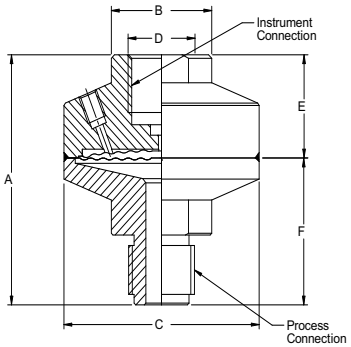
TYPE "S14"



A	B	C	D	E	F	Approx. Wt. #
49	30	34	1/4"BSP(F)	24	25	280

Dimensions - Standard Version

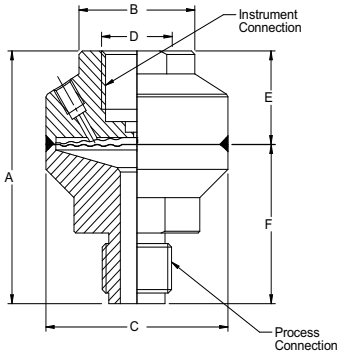
TYPE "S11"



A	B	C	D	E	F	Approx. Wt. #
71.5	32	62.5	1/2"BSP(F)	29.5	42	700

(# Weight in grams with box for Standard Model.)

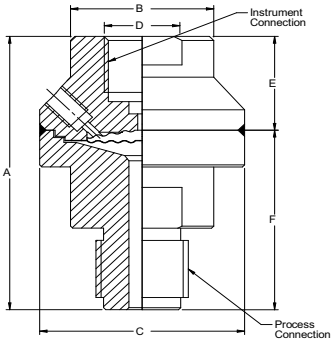
TYPE "S12"



A	B	C	D	E	F	Approx. Wt. #
71.5	35	55	1/2"BSP(F)	26.5	45	650

(# Weight in grams with box for Standard Model.)

TYPE "S13"



A	B	C	D	E	F	Approx. Wt. #
67	32.5	46.5	1/2"BSP(F)	23	44	430

(# Weight in grams with box for Standard Model.)

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Diaphragm Seal
Heavy Duty Mini Seal

How to Order				
Basic Model				
Code				DG
Optional Extras				
[It is recommended that the MOC of Diaphragm should be equivalent.]				
SEAL TYPE				
S11 -1 kg/cm² to 0 & 0 to 4 kg/cm² (Standard)		**S13** 100 kg/cm² to 400 kg/cm²		XXX
S12 6 kg/cm² to 70 kg/cm²		**S14** 250 kg/cm² to 600 kg/cm²		
Instrument Connection (*For seal type S14)				
VN 1/4" BSP(F) (Standard)*	**VP** 3/8" BSP (F)	**VL** ½" BSP (F) (Standard)		XX
VO 1/4" NPT (F)		**VM** ½" NPT (F)		
Top Chamber				
CL AISI 316 SS (Standard)	**CM** AISI 316L SS	**XW** AISI 304 SS		XX
Diaphragm				
UJ AISI 316L (Standard)	**UL** Hastelloy C	**UM** Monel		XX
Bottom Chamber				
TM AISI 316 SS (Standard)	**TL** AISI 316L SS	**TT** Hastelloy 'C'	**TX** MONEL	XX
Process Connection (*For seal type S14)				
WE 1/4" BSP(F) (Standard)*	**WI** 1/4" NPT (F)	**WY** 1/4" NPT(M)	**WS** 1/4" BSP(M)	XX
WC 3/8" BSP(F)	**WH** ½" NPT (F)	**WA** ½" NPT(M)	**WT** 3/8" BSP(M)	
WD ½" BSP(F)			**WU** ½" BSP(M) (Standard)	
Note : Connections like Metric, PT/ PF/ Flaired / UNF/ G/ R etc can be provided on request.				
Filling Fluids (* Consult Factory For Specifications, Price And Delivery.)				
US Flurolube 4.2 [-45 to 175 °C]		**UY** Silicon DC 704 [10 to 337 °C]		XX
UT Flurolube 6.3 [-40 to 235 °C]		**UZ** Silicon DC 710 [7 to 371 °C]		
UU Flurolube FS-5 [-28 to 148 °C]		**VA** Syltherm 800 [-40 to 315 °C]		
UV Food Grade Oil [-20 to 140 °C]		**VB** Syltherm XLT [-100 to 260 °C]		
UX Silicon DC 200 [-40 to 205 °C] (Standard)		**VC** Halocarbon Oil*		
Remote Mounting (with Capillary Of Max. Up To 2 Mtrs.)				
Specify In Meters (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)				3Mtr.
Capillary				
PE AISI 304 SS	**PG** AISI 316 SS			XX
Capillary Covered With Armour (Applicable with PE or PG if selected)				
PF AISI 304 SS	**PH** AISI 316 SS	**PI** PVC (Ambient Temp. Max. 60°C)		XX
Other Options				
TB Helium Leak Test	**TC** Dry Seal Only Without Instrument		**GH** Material Test Certificates*	XX

* Material Test Certificates Will Be Provided For Wetted Parts Only With Chemical Composition Testing. For Others, Please Consult Factory.

Ordering Example: DG . XXX . XX . XX . XX . XX . XX . XX . 3Mtr. . XX . XX . XX

For other optional items, please contact factory for delivery and minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

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