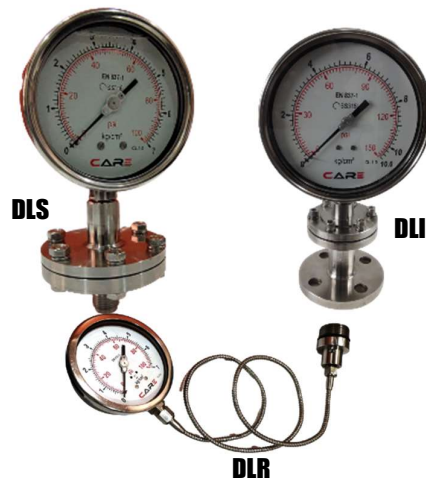




Diaphragm Seal Type Pressure Gauge Model : DLS,DLI,DLR

Application

Typical diaphragm seal used for strong acid, alkali and highly viscous crystalize fluids. It is used in chemicals, petrochemicals, papermaking, foods, etc.



Feature

- Adjustable micrometer pointer as standard
- Field liquid fillable
- Class 1.6 Accuracy to EN837
- Simple installation and low maintenance
- Available with electrical contact head systems
- Diaphragm welded to top and bottom housing

A diaphragm (diaphragm) is provided between the fluid to be measured and the pressure gauge, and the space between them is filled with an incompressible special liquid to serve as a pressure medium. Therefore, the fluid to be measured comes into contact with the diaphragm, through which the pressure gauge is activated. There are two standard joining methods, screw type and flange type, but we also accept special designs.

Specifications

Case & Bezel 304 stainless steel 100mm and 150 mm nominal	Window Standard instrument glass as standard, sizes. laminated safety glass or Plexi if required
Element Bourdon tube in 316 stainless steel	Dial Aluminum -white with black scale markings Pointer Aluminum, black finish - micrometer adjustable
Pressure Ranges Please refer table to standard ranges	Movement Stainless steel
Connections Model DLS : Threaded type Model DLI : Diaphragm type Model DLR : Remote type	Accuracy Class 1.6 to EN837
Mounting Direct Threaded, diaphragm with capillary	

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Diaphragm Seal Type Pressure Gauge Model : DLS,DLI,DLR

Types



Threaded type

(DLS)



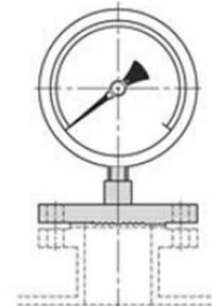
I-Section

(DLI)



Remote type

(DLR)



Flush type

(DLI)

Range Table 1 :

Scale kg/cm ² with psi (or bar / psi)					Vacuum/Compound			
Range		Least count		code	Range in Vacuum	Least count		code
kg/cm ²	psi	kg/cm ²	psi			mmhg	inHg	
0-1.06	0-15	0.02	0.25	1G	-760 to 0/-30 to 0	10	0.5	1 BA
0-2.1	0-30	0.05	0.5	2G				
0-2.5	0-35	0.05	0.5	3G	Range in Compound	mmHg	kg/cm ²	
0-4.2	0-60	0.05	1	4G	-760 to 1.6	50	0.04	1.6BC
0-7	0-100	0.1	1	7G	-760 to 3.5	50	0.1	3.5BC
0-10.6	0-150	0.2	2.5	10G	-760 to 7	100	0.2	7BC
0-14	0-200	0.2	2.5	14G	-760 to 10.6	100	0.2	10BC
0-17.5	0-250	0.2	2.5	17G	-760 to 14	200	0.2	14BC
0-21	0-300	0.5	5	21G	-760 to 21	200	0.5	21BC
0-28	0-400	0.5	5	28G	-760 to 35	400	0.5	35BC
0-35	0-500	0.5	5	35G				
0-42	0-600	0.5	10	42G	Note: mmhg to kg/cm ² with PSI reading			

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Diaphragm Seal Type Pressure Gauge Model : DLS,DLI,DLR

Selection Guide:

DLS-100-DB-10G-2B-S6-G0 / DLI-100-DB-10G-12F-PL-G1

Model	Dial Size	Mounting	CODE	RANGE	CONNECTION				Diaphragm		Execution
	(in MM)				TYPE	CODE	TYPE	CODE	TYPE	CODE	
DLS	100 150	Direct Bottom	DB	Refer Table	1/2"BSP	2B	1/2"NPT	2N	SS316	S6	Dry-G0 Glycerin-G1
		Direct Back	BC		3/8"BSP	8B	3/8"NPT	8N	SS316L	S6L	
DLI /DLR					1/2" ASA150#	12F			PTFE Lining	PL	
					1" ASA150#	1F			PTFE Coating	PC	
					3/4" ASA150#	34F					
					1.5" ASA150#	15F	1.5" ASA300#	15F3			
					2" ASA150#	20F	2" ASA300#	20F3			

Note : if you selected DLR Remote type, pls. add capillary length in Mtr.

Example: DLR-100-10G-15F-S6-G1-3M

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