

# DIAPHRAGM PRESSURE GAUGES

## Flange Process Connection — Extended diaphragm type DS320 series

### APPLICATIONS

Diaphragm pressure gauges are used when medium is corrosive, contaminated, viscous, crystallizing or with particles. Flange type diaphragm seal is especially suitable for highly viscous or crystallizing media. DS320 is with an extended welded diaphragm with contoured diaphragm bed, especially for thick-walled or isolated tanks and pipelines.



### SPECIFICATIONS

<b>Instruments</b>	All series pressure gauges and pressure transmitters are available
<b>Process connection (Flange)</b>	JIS 10K — 1-1/2" ; 2" ; 3" (FF standard ; RF optional) ANSI 150LB — 1-1/2" ; 2" ; 3" (RF standard ; FF optional) DN — 50 ; 80 ; 100 Other flange sizes available, specify when ordering
<b>Extended diaphragm</b>	Length 10 ~ 200 mm by order
<b>Flange material</b>	SS304 ; SS316 ; SS316L
<b>Diaphragm</b>	SS316L standard others available made-to-order
<b>Coating (option)</b>	Teflon ; PFA
<b>Temperature</b>	medium +80°C ; ambient 10 to 60°C for medium 80~400°C or ambient below 10°C available made-to-order
<b>Filling fluid</b>	Glycerin or silicon oil standard (depends on temperature), fluorocarbon oil available
<b>Pressure ranges</b>	0 / 0.6 ~ 0 / 60 kg/cm <sup>2</sup> (bar), positive, negative or compound available < min. pressure range for DN50 flange is 1.6 kg/cm <sup>2</sup> (bar) >
<b>Accessory assembly (option)</b>	Cooling fin Capillary for remote measuring (specify length of capillary when ordering)

### HOW TO ORDER

(Please specify additionally the special custom-made specifications or option items)

