



# Diaphragm-Type Chemical Seals

## Diaphragm Gauge

Type M93X.D1

### Chemical Seals

#### Application

Process industry diaphragm gauge for use in corrosive contaminated or viscous media. Unit does not allow any excess to the system fill, gauge is permanently welded to the seal body.

#### Design

Process industry gauge with integrated diaphragm seal, requires hydraulic fluid to transmit pressure to instrument

#### Process Connection

1/4" and 1/2" NPT

#### Suitable Pressure Ranges

Max 5000PSI

#### Operating Temperature

Media: 0 to 300°F

Ambient: 0 to 500°F (with dry case)

0 to 140°F (with filled case)

#### Gauge Size

4 1/2" Process gauge

#### Dial

White aluminum with black lettering

#### Accuracy

±0.5% of span



#### Case Material

Fiberglass reinforced thermoplastic, black and ring

#### Window

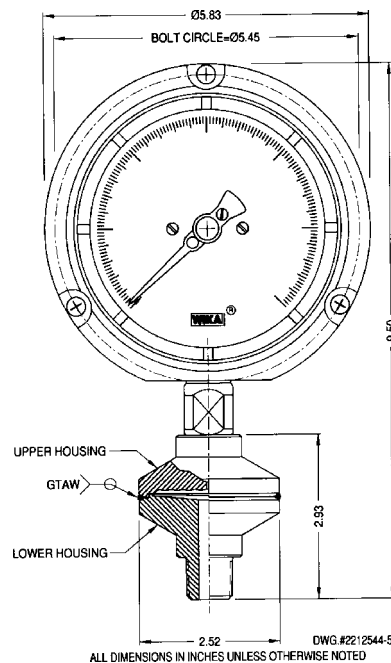
Acrylic

#### Pointer

Black aluminum, adjustable

#### Available Options

See Selection Guide (over)



To determine the effects of temperature and response time in a specific application, contact the factory for an **Application Questionnaire**. The information provided will allow WIKA Technical Support to accurately model your application parameters using state-of-the-art computer simulation techniques.

**ACS M93X.D1**

**Order code for GASTRAP Seal Type M93X.D1**

Field No.	Code	Instrument Design	
<b>Case Fill</b>			
1	2	Without	
	3	With ( glycerine-standard )	
<b>Nominal Size</b>			
2	U	4 1/2"	
<b>Unit</b>			
3	P	Psi	
	0	Dual scale psi / kg/cm2	
	C	Dual scale psi / kpa	
	F	Dual scale psi / bar	
	?	Please give customer's specifications	
<b>Range</b>			
4	CA	-30 inHg...0	
	CB	-30inHg...15 psi	
	CD	-30 inHg...30 psi	
	CF	-30 inHg...60 psi	
	CH	-30 inHg...100 psi	
	CK	-30 inHg...160 psi	
	CL	-30 inHg...200 psi	
	CM	-30 inHg...300 psi	
	CO	-30 inHg...400 psi	
	BC	0 psi...15 psi	
	BD	0 psi...30 psi	
	BE	0 psi...60 psi	
	BF	0 psi...100 psi	
	BG	0 psi...160 psi	
	BH	0 psi...200 psi	
	BI	0 psi...300 psi	
	BK	0 psi...400 psi	
	BL	0 psi...600 psi	
	BM	0 psi...800 psi	
	BN	0 psi...1000 psi	
	BO	0 psi...1500 psi	
	BP	0 psi...2000 psi	
	BQ	0 psi...3000 psi	
	BS	0 psi...5000 psi	
	??	Please give customer's specifications	
	<b>Connector Position</b>		
	5	3	Lower back mount
		U	Lower mount
?		Please give customer's specifications	

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**Ordering Information:**

State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice

05/01



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http://www.wika.com e-mail: chemseal@wika.com



## Chemical Seals

Field No.	Code	Instrument Design
6	<b>Window</b>	
	A	Acrylic
	G	Instrument glass
	H	Laminated safety glass
	?	Please give customer's specification
7	<b>Process Connection</b>	
	GNB	1/4 NPT male
	GND	1/2 NPT male
	GN2	1/4 NPT female
	GN4	1/2 NPT female
???	Please give customer's specifications	
8	<b>Diaphragm Material</b>	
	A2	Stainless steel 316L (1.4435)
	A7	Hastelloy C276 (2.4819)
	A8	Monel 400 (2.4360)
9	<b>Lower Housing Material</b>	
	A2	Stainless steel 316L (1.4435)
	A7	Hastelloy C276 (2.4819)
	A8	Monel 400 (2.4360)
10	<b>Fill Fluid</b>	
	A1	KN 2 Silicon oil
	E1	KN 21 Halocarbon
	A2	KN 32 DC 704
	B2	KN 68 DC 200 (10 cSt)
	??	Please give customer's specifications
11	<b>Flushing Connection</b>	
	1	Without
	2	1x 1/8 NPT
	3	1x 1/4 NPT
	4	2x 1/8 NPT
	5	2x 1/4 NPT
	?	Please give customer's specifications
12	<b>Special Design Features</b>	
	Z	Without
	2	With stainless steel tag
	A	Clean for oxygen service, ASME B40.1, level IV
	?	Please give customer's specifications
13	<b>Quality Certificates</b>	
	Z	Without
	L	Certificate of Compliance
	B	Certification to EN 10 204 3.1B ( material certificates )
	I	NIST certificate of calibration
	?	Please give customer's specifications

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Additional Order Details		
14	Z	Without
	T	Additional text

Order Code

M93	<sup>1</sup> <input type="text"/>	.2A-	<sup>2</sup> <input type="text"/>	<sup>3</sup> <input type="text"/>	<sup>4</sup> <input type="text"/>	<sup>5</sup> <input type="text"/>	<sup>6</sup> <input type="text"/>	<sup>7</sup> <input type="text"/>	<sup>8</sup> <input type="text"/>	<sup>9</sup> <input type="text"/>	<sup>10</sup> <input type="text"/>	<sup>11</sup> <input type="text"/>	<sup>12</sup> <input type="text"/>	-	<sup>13</sup> <input type="text"/>	<sup>14</sup> <input type="text"/>
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Additional Text: \_\_\_\_\_

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