Direct Threaded Diaphragm Sealed Pressure Gauges (501P & 503P Series)

Applications

- · Specially designed for chemical, petrochemical, paper and food industry
- · All gaseous and liquid media
- · Corrode, Suspended solid, Viscous or Frozen medium
- · Shock & vibration application
- · Pumps, compressors and regulators
- · Refining & marine industry

Pressure Limitation

· Steady : 3/4 of full scale value

(recommendation : 25% to 75% of full scale)

· Fluctuating : 2/3 of full scale value (recommendation : lower 50% of full scale)

 \cdot Short time : 130% of full scale value

(over range protection 100mm, 125mm, 160mm)

Operating Temperature

· Ambient : -20 ~ 65°C

· Media (Fluid) : + 100°C maximum

· Filling Liquid : Silicone oil



Special Notes

1. Other Process Connections are available as option.

Standard Specification Overview

Dial Size

- · 100mm (4"), 125mm (5"), 160mm (6.5")
- * Above dial size is standard but others are available upon request.

Reference Accuracy

· Refer to Gauge Model

Scale Ranges

- · Refer to Gauge Model
- * For more information, see the ordering information table.

Process Connection

· PF ("G" in ISO) 3/8", PT ("R" in ISO) 1/2", NPT 1/2"

Material

· Upper Flange: 304 SS, 316 SS

· Diaphragm: 316L SS, Monel, Hastelloy-C, Tantalum

· Under Flange: 304 SS, 316 SS, 316L SS, Monel, Hastelloy-C

Optional Extra

- · Test Report by Manufacturer
- · Test Report by KOLAS (ILAC-MRA)
- · Laminated Safety Glass
- · 316 SS Case & Cover (Ring)
- · Cleaning Service (USE NO OIL)
- · Supersonic Cleansing Service
- · Peak Valve Memory Pointer (only for 100mm)
- · Protection Cover (Polycarbonate)
- · Liquid Filled (for high temperature)

Ordering Information for 501P & 503P Series

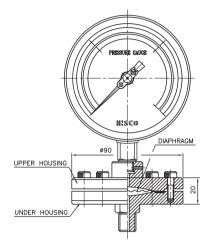
			● = Star	ndard Produc	ts ▲ = Available N	NA = Not Available		
Model	Description							
501P	Direct Thread Diaphragm	Sealed Pressu	re Gauges					
503P	Remote Threaded Diaphragm Sealed Pressure Gauges							
Code	Dial Size & Model Code Dial Size & Model Code Dial Size & Model							
Pressure (re Gauge DIN Type Industrial Process Pressure Gauge Solid Front Pressure Gauge				nt Pressure Gauge			
A1	60mm (Model 301P)	D5	100mm (Model 321P)	G7	125mm (Model 381	P)		
B1	60mm (Model 305P)	F5	100mm (Model 325P)	J5	100mm (Model 383	P)		
A3	75mm (Model 301P)	D6	160mm (Model 321P)	XX	Others (Refer to gau	ige model table)		
B3	75mm (Model 305P)	F6	160mm (Model 325P)					
For model	501P, mounting type "A" applies 503P, mounting type "B" applies sure model is available. See the	. Other mounting	types are available and use acc					
Code	Process Connection Style					All		
2	PT ("R" in ISO Standard)					•		
3	PF ("G" in ISO Standard)					A		
4	NPT					•		
X	Others					<u></u>		
Code	Process Connection Size					All		
С	1/4"					•		
D	3/8"					•		
F	1/2"					•		
Н	3/4"					A		
Code	Pressure Range					All		
001	-0.1 ~ 0 MPa					•		
002	-0.1 ~ 0.1 MPa					•		
003	-0.1 ~ 0.2 MPa					•		
004	-0.1 ~ 0.3 MPa					•		
005	-0.1 ~ 0.4 MPa					•		
006	-0.1 ~ 0.6 MPa					•		
007	-0.1 ~ 1.0 MPa					•		
800	-0.1 ~ 1.5 MPa					•		
009	-0.1~2.0 MPa					•		
111	0 ~ 0.05 MPa					•		
112	0 ~ 0.1 MPa					•		
113	0 ~ 0.2 MPa					•		
114	0 ~ 0.3 MPa					•		
115	0 ~ 0.4 MPa					•		
116	0 ~ 0.6 MPa					•		
118	0 ~ 1 MPa					•		
119	0 ~ 1.5 MPa					•		
120	0 ~ 2 MPa					•		
121	0 ~ 2.5 MPa					•		

122 0 - 3.5 MPa						
126	122	0 ~ 3.5 MPa				•
127	124	0 ~ 5 MPa				•
128 0 - 15 MPa	126	0 ~ 7 MPa				•
129 0 - 25 MPa	127	0 ~ 10 MPa				A
130	128	0 ~ 15 MPa				A
*MPa is the standard dial scale but others are available upon request. Code Diaphragm Material All A 316L SS B 316L SS + PTFE Lining A C 316L SS + PTFE Coating A D Monel 400 A E Hastelloy C-276 A G Tantalum A X Others C Code Housing Material Upper 1A 304 SS B 316	129	0 ~ 25 MPa				A
Code Diaphragm Material All A 316L SS ● B 316L SS + PTFE Lining A C 316L SS + PTFE Coating A D Monel 400 A E Hastelloy C-276 A G Tantatum A X Others ♥ Code Housing Material All Upper 1A 304 SS ● 1B 316 SS A All 1C 316L SS A A 1X Other A A 2A 304 SS A A 2B 316SS A A 2C 316L SS A A 2D Monel A A 2E Hastelloy C A A 2E Hastelloy C A A 2H PVC A A 2H PVC A A	130	0 ~ 35 MPa				A
A 316L SS B 316L SS+PTFE Lining C 316L SS+PTFE Coating A D Monel 400 A E Hastelloy C-276 A G Tantalum A X Others Code Housing Material Upper 1A 304 SS B 316 SS B 3	* MPa is th	ne standard dial	scale but other	s are availble upon request.		
B 316LSS+PTFE Lining	Code	Diaphragm	Material			All
C 316L SS + PTFE Coating A D Monel 400 A E Hastelloy C-276 A G Tantalum A X Others C² Code Housing Material All Upper IA 304 SS ● 1B 316 SS A 1C 316L SS A 1X Other A 2A 304 SS A 2B 316SS ● 2C 316L SS A 2D Monel A 2E Hastelloy C A 2C 316L SS A 2D Monel A 2E Hastelloy C A 2B 416 SS A 2D Monel A 2E Hastelloy C A 2B 716 SS A 2D Monet A 2E Hastelloy Connection Length A 2X Other A 2X Oth	Α	316L SS			'	•
D Monet 400 A E Hastelloy C-276 A G Tantalum A X Others ♥ Code Housing Material All Upper 1A 304 SS ● 1B 316 SS A 1C 316L SS A 1X Other A 2A 304 SS A 2B 316SS A 2B 316SS A 2C 316L SS A 2D Monet A 2E Hastelloy C A 2B 4B ST	В	316L SS + P	TFE Lining			A
E Hastelloy C-276 A G Tantalum A X Others Code Code Housing Material All Upper All 1A 304 SS ● 1B 316 SS A 1C 316L SS A 1X Other A 2A 304 SS A 2B 316SS A 2C 316L SS A 2D Monel A 2E Hastelloy C A 2E Hastelloy C A 2H PVC A 2H PVC A 2I Tefton A 2X Other A 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m	С	316L SS + P	TFE Coating			A
G Tantalum	D	Monel 400				A
X Others Code Housing Material All Upper 1A 304 SS ● 1B 316 SS A 1C 316L SS A 1X Other A Under A A 2A 304 SS A 2B 316L SS A 2C 316L SS A 2D Monel A 2E Hastelloy C A 2G PTFE Coating A 2H PVC A 2I Tefton A 2X Other A 2X Other A 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options	E	Hastelloy C	-276			A
Code Housing Material All Upper 1A 304 SS ● 1B 316 SS A 1C 316L SS A 1X Other A Under Under 2A 304 SS A 2B 316LSS A 2C 316LSS A 2D Monel A 2E Hastelloy C A 2G PTFE Coating A 2H PVC A 2I Teflon A 2X Other A Code Capitlary Connection Length A 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applic	G	Tantalum				A
Upper	X	Others				C)
1A 304 SS 1B 316 SS 1C 316L SS 1X Other A Under 2A 304 SS 2B 3165S 2C 316L SS 2D Monel 2E Hastelloy C 2G PTFE Coating 2H PVC 2I Teflon 2X Other Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 59 52 1.0 m 58 4.0 m 53 1.5 m 59 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	Code	Housing Ma	ıterial			All
1B 316 SS ▲ 1C 316L SS ▲ 1X Other ▲ Under ■ 2A 304 SS ▲ 2B 316SS ● 2C 316L SS ▲ 2D Monel ▲ 2E Hastelloy C ▲ 2G PTFE Coating ▲ 2H PVC ▲ 2I Tefton ▲ 2X Other ▲ Code Capitlary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners		Upper			'	
1C 316L SS ▲ 1X Other ▲ Under ■ 2A 304 SS ▲ 2B 316SS ● 2C 316L SS ▲ 2D Monel ▲ 2E Hastelloy C ▲ 2G PTFE Coating ▲ 2H PVC ▲ 2I Tefton ▲ 2X Other ▲ 2X Other ▲ Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	1A	304 SS				•
1X Other Under 2A 304 SS 2B 316SS 2C 316LSS 2D Monel 2E Hastelloy C 2G PTFE Coating 2H PVC 2I Teflon 2X Other A A Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	1B	316 SS				A
Under 2A 304 SS	1C	316L SS				A
2A 304 SS ▲ 2B 316SS ● 2C 316L SS ▲ 2D Monel ▲ 2E Hastelloy C ▲ 2G PTFE Coating ▲ 2H PVC ▲ 2I Teflon ▲ 2X Other ▲ Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	1X	Other				A
2B 316SS ● 2C 316LSS ▲ 2D Monel ▲ 2E Hastelloy C ▲ 2G PTFE Coating ▲ 2H PVC ▲ 2I Teflon ▲ 2X Other ▲ Code Capillary Connection Length ● 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners		Under				
2C 316L SS ▲ 2D Monel ▲ 2E Hastelloy C ▲ 2G PTFE Coating ▲ 2H PVC ▲ 2I Teflon ▲ 2X Other ▲ Code Capillary Connection Length ● 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2A	304 SS				A
2D Monel 2E Hastelloy C 26 PTFE Coating 2H PVC 2l Teflon 2X Other A Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2B	316SS				•
2E Hastelloy C ▲ 2G PTFE Coating ▲ 2H PVC ▲ 2I Teflon ▲ 2X Other ▲ Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2C	316L SS				A
26 PTFE Coating 2H PVC A 2I Teflon A Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m *Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2D	Monel				A
2H PVC 2I Teflon 2X Other Code Capillary Connection Length 00 Direct 56 51 0.5 m 57 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2E	Hastelloy C				A
2I Teflon ▲ 2X Other ▲ Code Capillary Connection Length ● 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2G	PTFE Coatin	ng			A
2X Other ▲ Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2H	PVC				A
Code Capillary Connection Length 00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	21	Teflon				A
00 Direct 56 3.0 m 51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	2X	Other				A
51 0.5 m 57 3.5 m 52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	Code	Capillary C	onnection Le	ngth		
52 1.0 m 58 4.0 m 53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	00	Direct	56	3.0 m		
53 1.5 m 59 5.0 m 54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	51	0.5 m	57	3.5 m		
54 2.0 m 60 Others 55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	52	1.0 m	58	4.0 m		
55 2.5 m * Recommend Length Max 10M Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	53	1.5 m	59	5.0 m		
Code Applicable Accessory Options J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	54	2.0 m	60	Others		
J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	55	2.5 m	* Recom	mend Length Max 10M		
J0 Not Apply J3 Syphon Tubes J4 Pulsation Dampeners	Code	Applicable .	ـــــــــــــــــــــــــــــــــــــ	otions		
J3 Syphon Tubes J4 Pulsation Dampeners						
J4 Pulsation Dampeners	J3					
	J4					
J7 Gauge Savers (Gauge Protectors)	J7					

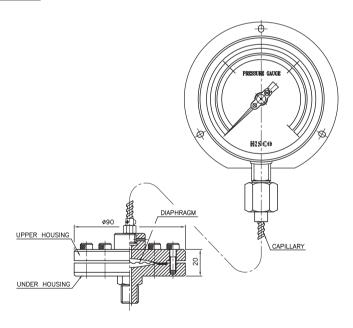
Code	Options	All
Test Rep	oorts	
T1	Test Report by Manufacturer	A
T2	Test Report by KOLAS (ILAC-MRA)	A
Other Op	otion	
C1	Cleaning Service (USE NO OIL)	A
M1	Material Certificate (Mill Sheet)	A
F1	Liquid Filled (for high temperature)	A
	odel Selection : 501PD52F618A1B00J0 Idard specification and price are subject to change without prior notice.	

Direct Threaded Diaphragm Sealed Pressure Gauges (501P & 503P Series)

501P



503P (REMOTE TYPE)



HISCO, INC.