

# Explosion Proof Differential Pressure Switches(Blind) (951P DF Series)



## Applications

- Paper and food industry
- Shock & vibration application
- Corrode suspended solid
- Vicious or frozen medium
- Chemical & petrochemical
- Pumps, compressors and regulators
- Refining & marine industry

## Working Pressure

Steady : full scale value

Fluctuating : 0.9 of full scale value

Short time : 1.3 of full scale value

## Operating Temperature

Ambient : -20 ~ 60°C

Media(Fluid) : 80 °C (NBR)

100 °C (Viton)

120 °C (Teflon)



## Standard Specification Overview

### Repeatability

± 2.0% of Full Scale

### Adjustable Range Ranges

\* 0.02 MPa ~ 0.1 MPa

\* For more information, see the ordering information table.

### Dead Band

Fixed(3 ~ 10% of Full Scale)

### Pressure Connection

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

### Material

Case & Cover : Gray Finished & Epoxy Coated

Aluminium Element(Diaphragm) : 316LSS

Wetted Parts : 316SS

Packing : NBR, Viton or Teflon

### Conduit Connection

PF 1/2"

### Degree of Protection

Exd II C T6

### Electric Resistance Capacity

AC 250V 15A(Non-Inductive Load)

### Optional Extra

Code T1 : Test Report by Manufacturer

Code T2 : Test Report by KOLAS(ILAC-MRA)

Code M1 : Material Certificate(Mill Sheet)

## Special Notes

1. Other pressure connections are available as option.

## Ordering Information for 951P DF Series

Model	Description	Case & Cover	Wetted Parts
951P	Explosion Proof Differential Pressure Switches (Blind)	Blue Finished & Epoxy Coated Aluminium	316SS
Code	Pressure Type	Repeatability	
DF	Differential Pressure	± 2.0% of F.S.	
Code	Mounting Type		971P
A	Bottom Connection without Mounting Flange		■
Process	Connection Style <sup>(1)</sup>		971P
2	PT("R" in ISO Standard)		■
3	PF("G" in ISO Standard)		★
4	NPT		★
X <sup>(1)</sup>	Others		☎
Code	Process Connection Size		971P
B	1/8"		★
C	1/4"		■
Code	Pressure Range		971P
094	0 ~ 20 kPa		
095	0 ~ 25 kPa		■
096	0 ~ 30 kPa		■
098	0 ~ 40 kPa		■
099	0 ~ 50 kPa		■
112	0 ~ 0.1 MPa		■
* kPa, MPa(SI Unit) is the standard dial scale but others are available upon request.			
Code	Contact Location		971P
S1	One SPDT(Single Change - Over Contact)		■
D1	One DPDT(Double Change - Over Contact)		■
Code	Applicable Accessory Options <sup>(2)</sup>		
J0	Not Apply		
J8	Instrument Valves		
Code	Options		971P
Test Reports			
T1	Test Report by Manufacturer		★
T2	Test Report by KOLAS(ILAC-MRA)		★
Other Option			
M1	Material Certificate(Mill Sheet)		★
Sample Model Selection : 951PRSA2D173D1J0			
Note 1. Other connection styles are available on request.			
Note 2. On selecting of accessory option, excluding J0, go to Accessory Model(PA XXX) for the detail selection.			
■ = Standard Products    ★ = Available    NA = Not Available			
* The standard specification and price are subject to change without prior notice			

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