

# Drawings

EJA210E  
Flange Mounted  
Differential Pressure Transmitter  
(Flush type, No ring)

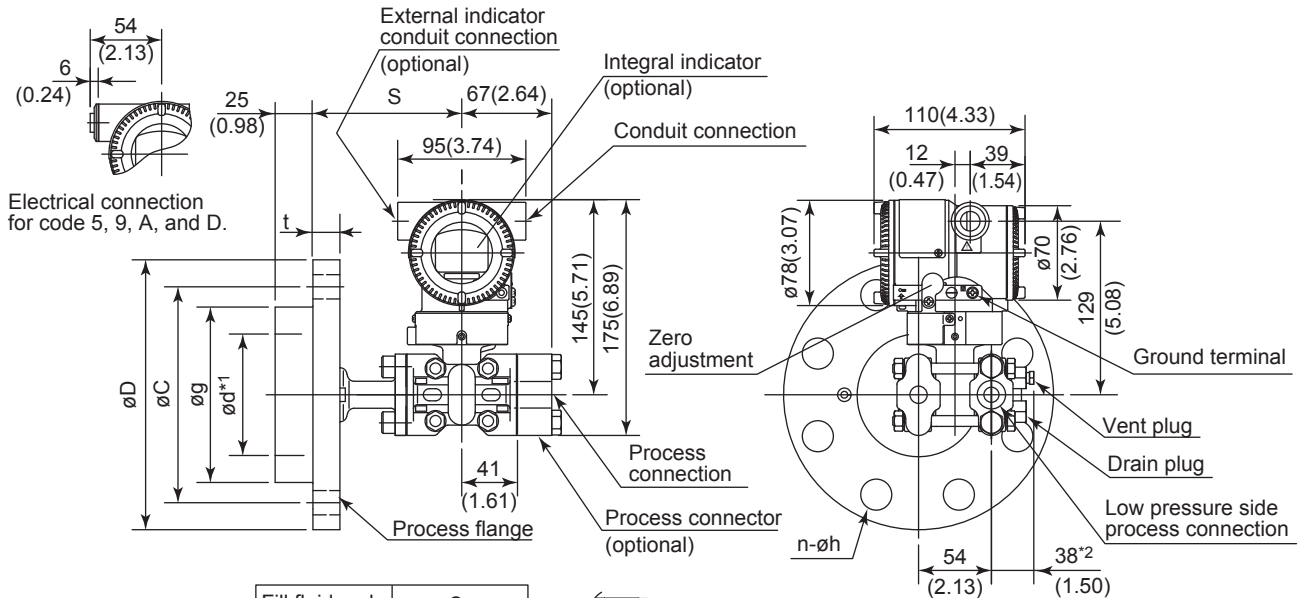
DPharp **EJA**<sup>®</sup>

SD 01C31C01-01EN

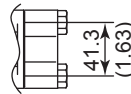
[Style: S1, S2]

• Flushing connection ring code 0 (No ring)

Unit: mm (approx. inch)



|                      | Fill fluid code | S         |
|----------------------|-----------------|-----------|
| General use          | B, D and P      | 113(4.45) |
| High temperature use | A               | 143(5.63) |



\*1: Indicates inside diameter of gasket contact surface.

\*2: When Option code K1, K2, K5, or K6 is selected, add 15 mm(0.59 inch) to the value in the flange.

\*3: When electrical connection code 7 or C is selected, a blind plug is protruded up to 8 mm from the conduit connection.

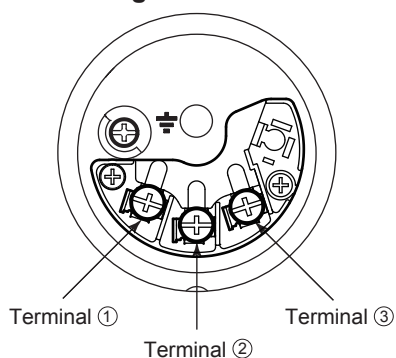
Flange size: 3-inch (80mm)

| Flange Rating  | øD          | øC          | øg        | ød       | t          | Bolt holes |            |
|----------------|-------------|-------------|-----------|----------|------------|------------|------------|
|                |             |             |           |          |            | No.(n)     | Dia.(øh)   |
| JIS 10K        | 185(7.28)   | 150(5.91)   | 130(5.12) | 90(3.54) | 18(0.71)   | 8          | 19(0.75)   |
| JIS 20K        | 200(7.87)   | 160(6.30)   | 130(5.12) | 90(3.54) | 22(0.87)   | 8          | 23(0.91)   |
| ANSI Class 150 | 190.5(7.50) | 152.4(6.00) | 130(5.12) | 90(3.54) | 23.9(0.94) | 4          | 19.1(0.75) |
| ANSI Class 300 | 209.6(8.25) | 168.1(6.62) | 130(5.12) | 90(3.54) | 28.5(1.12) | 8          | 22.4(0.88) |
| JPI Class 150  | 190(7.48)   | 152.4(6.00) | 130(5.12) | 90(3.54) | 24(0.94)   | 4          | 19(0.75)   |
| JPI Class 300  | 210(8.27)   | 168.1(6.62) | 130(5.12) | 90(3.54) | 28.5(1.12) | 8          | 22(0.87)   |
| DIN PN 10/16   | 200(7.87)   | 160(6.30)   | 130(5.12) | 90(3.54) | 20(0.79)   | 8          | 18(0.71)   |
| DIN PN 25/40   | 200(7.87)   | 160(6.30)   | 130(5.12) | 90(3.54) | 24(0.94)   | 8          | 18(0.71)   |

Flange size: 2-inch (50mm)

| Flange Rating  | øD          | øC          | øg        | ød       | t          | Bolt holes |            |
|----------------|-------------|-------------|-----------|----------|------------|------------|------------|
|                |             |             |           |          |            | No.(n)     | Dia.(øh)   |
| JIS 10K        | 155(6.10)   | 120(4.72)   | 100(3.94) | 61(2.40) | 16(0.63)   | 4          | 19(0.75)   |
| JIS 20K        | 155(6.10)   | 120(4.72)   | 100(3.94) | 61(2.40) | 18(0.71)   | 8          | 19(0.75)   |
| ANSI Class 150 | 152.4(6.00) | 120.7(4.75) | 100(3.94) | 61(2.40) | 19.1(0.75) | 4          | 19.1(0.75) |
| ANSI Class 300 | 165.1(6.50) | 127(5.00)   | 100(3.94) | 61(2.40) | 22.4(0.88) | 8          | 19.1(0.75) |
| JPI Class 150  | 152(5.98)   | 120.6(4.75) | 100(3.94) | 61(2.40) | 19.5(0.77) | 4          | 19(0.75)   |
| JPI Class 300  | 165(6.50)   | 127(5.00)   | 100(3.94) | 61(2.40) | 22.5(0.89) | 8          | 19(0.75)   |
| DIN PN 10/16   | 165(6.50)   | 125(4.92)   | 100(3.94) | 61(2.40) | 18(0.71)   | 4          | 18(0.71)   |
| DIN PN 25/40   | 165(6.50)   | 125(4.92)   | 100(3.94) | 61(2.40) | 20(0.79)   | 4          | 18(0.71)   |

- **Terminal Configuration**



- **Terminal Wiring for 4 to 20 mA output, FOUNDATION Fieldbus and PROFIBUS PA communication types**

|        |   |   |                                            |
|--------|---|---|--------------------------------------------|
| SUPPLY | + | ① | Power supply and output terminals          |
|        | - | ② |                                            |
| CHECK  | + | ③ | External indicator (ammeter) terminals*1*2 |
|        | - | ② |                                            |
|        |   | ⏏ | Ground terminal                            |

\*1: When using an external indicator or check meter, the internal resistance must be 10  $\Omega$  or less.

\*2: Not available for FOUNDATION Fieldbus and PROFIBUS PA communication types.

- **Terminal Wiring for 1 to 5 V output**

|        |   |   |                                               |
|--------|---|---|-----------------------------------------------|
| SUPPLY | + | ① | Power supply terminals                        |
|        | - | ② |                                               |
| VOUT   | + | ③ | 1 to 5 V DC with HART communication terminals |
|        | - | ② |                                               |
|        |   | ⏏ | Ground terminal                               |

Three or four wire connection. For four wire connection, both supply and signal lines use SUPPLY - terminal.