

# Drawings

EJX438B



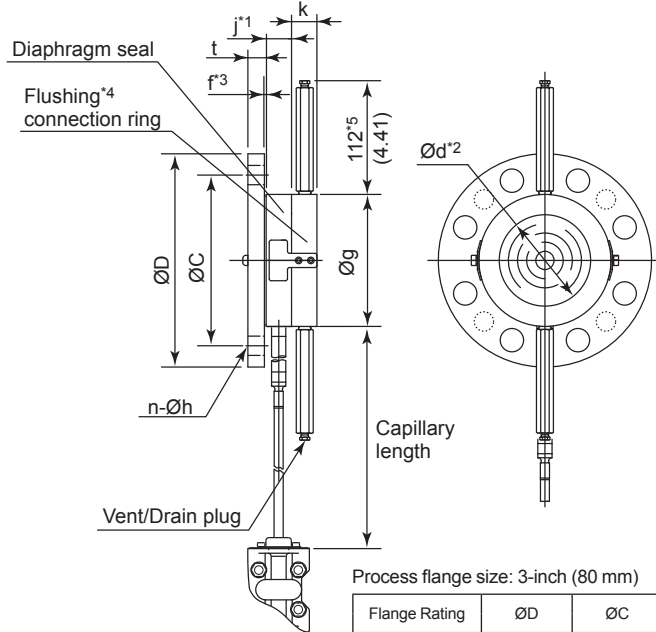
Diaphragm Sealed  
Gauge Pressure Transmitter

SD 01C27J04-11EN

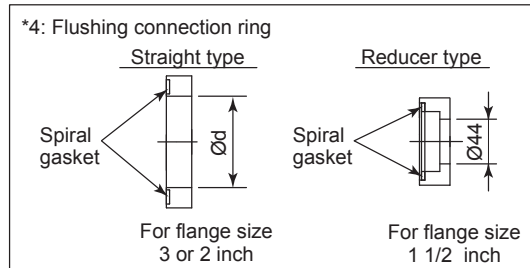
(Diaphragm seal section, Flush type with ring)

- Flushing connection ring code A, B, C and D (With ring)

Unit: mm (approx. inch)



- \*1: When wetted parts material code UW (titanium), value is 34 (1.34).
- \*2: Indicates inside diameter of gasket contact surface.
- \*3: In case where process flange material is JIS S25C, value of f is 0.



- \*4: Flushing connection ring
- \*5: When option code K1 or K5 is selected, add 11 mm (0.43 inch).

Process flange size: 3-inch (80 mm)

| Flange Rating  | ØD          | ØC          | Øg        | Ød       | t          | f         | Bolt holes |            | j        | k        |
|----------------|-------------|-------------|-----------|----------|------------|-----------|------------|------------|----------|----------|
|                |             |             |           |          |            |           | No.(n)     | Dia.(Øh)   |          |          |
| JIS 10K        | 185(7.28)   | 150(5.91)   | 130(5.12) | 90(3.54) | 18(0.71)   | 0         | 8          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JIS 20K        | 200(7.87)   | 160(6.30)   | 130(5.12) | 90(3.54) | 22(0.87)   | 0         | 8          | 23(0.91)   | 25(0.98) | 27(1.06) |
| JIS 40K        | 210(8.27)   | 170(6.69)   | 130(5.12) | 90(3.54) | 32(1.26)   | 0         | 8          | 23(0.91)   | 25(0.98) | 27(1.06) |
| JIS 63K        | 230(9.06)   | 185(7.28)   | 130(5.12) | 90(3.54) | 40(1.57)   | 0         | 8          | 25(0.98)   | 25(0.98) | 27(1.06) |
| ANSI Class 150 | 190.5(7.50) | 152.4(6.00) | 130(5.12) | 90(3.54) | 23.9(0.94) | 1.6(0.06) | 4          | 19.1(0.75) | 25(0.98) | 27(1.06) |
| ANSI Class 300 | 209.6(8.25) | 168.1(6.62) | 130(5.12) | 90(3.54) | 28.5(1.12) | 1.6(0.06) | 8          | 22.4(0.88) | 25(0.98) | 27(1.06) |
| ANSI Class 600 | 209.6(8.25) | 168.1(6.62) | 130(5.12) | 90(3.54) | 38.2(1.50) | 6.4(0.25) | 8          | 22.4(0.88) | 25(0.98) | 27(1.06) |
| JPI Class 150  | 190(7.48)   | 152.4(6.00) | 130(5.12) | 90(3.54) | 24(0.94)   | 1.6(0.06) | 4          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JPI Class 300  | 210(8.27)   | 168.1(6.62) | 130(5.12) | 90(3.54) | 28.5(1.12) | 1.6(0.06) | 8          | 22(0.87)   | 25(0.98) | 27(1.06) |
| JPI Class 600  | 210(8.27)   | 168.1(6.62) | 130(5.12) | 90(3.54) | 38.4(1.51) | 6.4(0.25) | 8          | 22(0.87)   | 25(0.98) | 27(1.06) |
| DIN PN 10/16   | 200(7.87)   | 160(6.30)   | 130(5.12) | 90(3.54) | 20(0.79)   | 0         | 8          | 18(0.71)   | 25(0.98) | 27(1.06) |
| DIN PN 25/40   | 200(7.87)   | 160(6.30)   | 130(5.12) | 90(3.54) | 24(0.94)   | 0         | 8          | 18(0.71)   | 25(0.98) | 27(1.06) |
| DIN PN 64      | 215(8.46)   | 170(6.69)   | 130(5.12) | 90(3.54) | 28(1.10)   | 0         | 8          | 22(0.87)   | 25(0.98) | 27(1.06) |

Process flange size: 2-inch (50 mm)

| Flange Rating  | ØD          | ØC          | Øg        | Ød       | t          | f         | Bolt holes |            | j        | k        |
|----------------|-------------|-------------|-----------|----------|------------|-----------|------------|------------|----------|----------|
|                |             |             |           |          |            |           | No.(n)     | Dia.(Øh)   |          |          |
| JIS 10K        | 155(6.10)   | 120(4.72)   | 100(3.94) | 61(2.40) | 16(0.63)   | 0         | 4          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JIS 20K        | 155(6.10)   | 120(4.72)   | 100(3.94) | 61(2.40) | 18(0.71)   | 0         | 8          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JIS 40K        | 165(6.50)   | 130(5.12)   | 100(3.94) | 61(2.40) | 26(1.02)   | 0         | 8          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JIS 63K        | 185(7.28)   | 145(5.71)   | 100(3.94) | 61(2.40) | 34(1.34)   | 0         | 8          | 23(0.91)   | 25(0.98) | 27(1.06) |
| ANSI Class 150 | 152.4(6.00) | 120.7(4.75) | 100(3.94) | 61(2.40) | 19.1(0.75) | 1.6(0.06) | 4          | 19.1(0.75) | 25(0.98) | 27(1.06) |
| ANSI Class 300 | 165.1(6.50) | 127(5.00)   | 100(3.94) | 61(2.40) | 22.4(0.88) | 1.6(0.06) | 8          | 19.1(0.75) | 25(0.98) | 27(1.06) |
| ANSI Class 600 | 165.1(6.50) | 127(5.00)   | 100(3.94) | 61(2.40) | 31.8(1.25) | 6.4(0.25) | 8          | 19.1(0.75) | 25(0.98) | 27(1.06) |
| JPI Class 150  | 152(5.98)   | 120.6(4.75) | 100(3.94) | 61(2.40) | 19.5(0.77) | 1.6(0.06) | 4          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JPI Class 300  | 165(6.50)   | 127(5.00)   | 100(3.94) | 61(2.40) | 22.5(0.89) | 1.6(0.06) | 8          | 19(0.75)   | 25(0.98) | 27(1.06) |
| JPI Class 600  | 165(6.50)   | 127(5.00)   | 100(3.94) | 61(2.40) | 31.9(1.26) | 6.4(0.25) | 8          | 19(0.75)   | 25(0.98) | 27(1.06) |
| DIN PN 10/16   | 165(6.50)   | 125(4.92)   | 100(3.94) | 61(2.40) | 18(0.71)   | 0         | 4          | 18(0.71)   | 25(0.98) | 27(1.06) |
| DIN PN 25/40   | 165(6.50)   | 125(4.92)   | 100(3.94) | 61(2.40) | 20(0.79)   | 0         | 4          | 18(0.71)   | 25(0.98) | 27(1.06) |
| DIN PN 64      | 180(7.09)   | 135(5.31)   | 100(3.94) | 61(2.40) | 26(1.02)   | 0         | 4          | 22(0.87)   | 25(0.98) | 27(1.06) |

Process flange size: 1 1/2-inch (40 mm)

| Flange Rating  | ØD          | ØC          | Øg       | Ød       | t          | f         | Bolt holes |            | j        | k        |
|----------------|-------------|-------------|----------|----------|------------|-----------|------------|------------|----------|----------|
|                |             |             |          |          |            |           | No.(n)     | Dia.(Øh)   |          |          |
| JIS 10K        | 140(5.51)   | 105(4.13)   | 86(3.38) | 44(1.73) | 16(0.63)   | 0         | 4          | 19(0.75)   | 27(1.06) | 30(1.18) |
| JIS 20K        | 140(5.51)   | 105(4.13)   | 86(3.38) | 44(1.73) | 18(0.71)   | 0         | 4          | 19(0.75)   | 27(1.06) | 30(1.18) |
| JIS 40K        | 160(6.30)   | 120(4.72)   | 86(3.38) | 44(1.73) | 24(0.94)   | 0         | 4          | 23(0.88)   | 27(1.06) | 30(1.18) |
| ANSI Class 150 | 127(5.00)   | 98.6(3.88)  | 86(3.38) | 44(1.73) | 17.5(0.69) | 1.6(0.06) | 4          | 15.7(0.62) | 27(1.06) | 30(1.18) |
| ANSI Class 300 | 155.4(6.12) | 114.3(4.50) | 86(3.38) | 44(1.73) | 20.6(0.81) | 1.6(0.06) | 4          | 22.4(0.88) | 27(1.06) | 30(1.18) |
| ANSI Class 600 | 155.4(6.12) | 114.3(4.50) | 86(3.38) | 44(1.73) | 28.8(1.13) | 6.4(0.25) | 4          | 22.4(0.88) | 27(1.06) | 30(1.18) |
| JPI Class 150  | 127(5.00)   | 98.6(3.88)  | 86(3.38) | 44(1.73) | 17.6(0.69) | 1.6(0.06) | 4          | 16(0.63)   | 27(1.06) | 30(1.18) |
| JPI Class 300  | 155(6.10)   | 114.3(4.50) | 86(3.38) | 44(1.73) | 20.6(0.81) | 1.6(0.06) | 4          | 22(0.87)   | 27(1.06) | 30(1.18) |
| JPI Class 600  | 155(6.10)   | 114.3(4.50) | 86(3.38) | 44(1.73) | 28.9(1.14) | 6.4(0.25) | 4          | 22(0.87)   | 27(1.06) | 30(1.18) |