

## 18-015-..., V70534-..., 9273... Pressure gauges

- Port size: M5, 1/8" & 1/4", Ø 4 mm
- Conform to BS EN 837-1:1998
- Back or bottom connecton
- Panel mount, stainless steel and Underwriters
- Laboratories Inc. listed gauges available
- Wide pressure and temperature and range



### Technical features

#### Medium:

Compressed air, oil and gases or liquids which do not corrode copper alloys

#### Port connections:

White face scale  
M5, R1/8, G1/8A, G1/4A  
Ø 6,5 mm (for model 9273... only)  
Black face scale  
1/8 NPT, 1/4 NPT, Ø 5/32  
(for North America)

#### Accuracy:

2,5% of full scale

#### Ambient/Media temperature:

-40 ... +65°C (-40 ... +150°F)  
For model 9273... only:  
-20 ... +52°C (-4 ... +125°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F)

#### Materials:

Body: ABS, steel or stainless steel  
Lens: steel or plastic bodies have plastic lens; stainless steel bodies has glass lens  
Connectors: steel or plastic bodies have brass connector; stainless steel bodies has stainless steel connector  
For model 9273... only:  
Body: PA 66  
Lens: Polycarbonate  
'O' ring: NBR

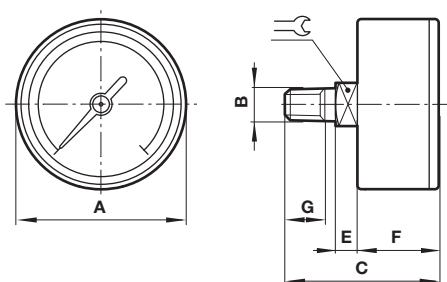
### Center back connection, white face

| Symbol                                                                              | Scale range |            |           | Model – Diameter & Connection |              |              |              |
|-------------------------------------------------------------------------------------|-------------|------------|-----------|-------------------------------|--------------|--------------|--------------|
|                                                                                     | bar *1)     | Mpa        | psi       | Ø 25<br>M5                    | Ø 40<br>R1/8 | Ø 50<br>R1/8 | Ø 63<br>R1/8 |
|  | 0 ... 1     | —          | 0 ... 14  | —                             | 18-015-887   | —            | 18-015-893   |
|                                                                                     | 0 ... 1,6   | 0 ... 0,16 | 0 ... 23  | —                             | 18-015-991   | 18-015-010   | —            |
|                                                                                     | 0 ... 2,5   | —          | 0 ... 36  | —                             | 18-015-886   | —            | 18-015-892   |
|                                                                                     | 0 ... 4     | 0 ... 0,4  | 0 ... 58  | —                             | 18-015-990   | 18-015-011   | —            |
|                                                                                     | 0 ... 6     | 0 ... 0,6  | 0 ... 87  | —                             | 18-015-885   | 18-015-012   | 18-015-891   |
|                                                                                     | 0 ... 10    | 0 ... 1    | 0 ... 145 | V70534-500 *2)                | 18-015-989   | 18-015-013   | 18-015-890   |
|                                                                                     | 0 ... 16    | 0 ... 1,6  | 0 ... 232 | —                             | 18-015-884   | —            | 18-015-889   |
|                                                                                     | 0 ... 25    | 0 ... 2,5  | 0 ... 362 | —                             | 18-015-908   | 18-015-014   | 18-015-888   |

\*1) primary scale

\*2) bar and psi scale only

### Dimensions

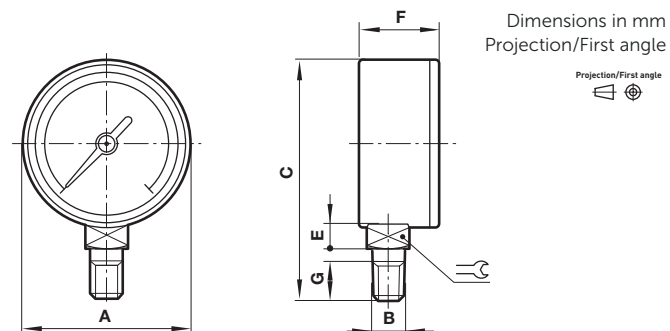


| Ø A | B    | C    | E   | F    | G  | Symbol                                                                              | Weight (g) |
|-----|------|------|-----|------|----|-------------------------------------------------------------------------------------|------------|
| 25  | M5   | 28   | 3,5 | 16,5 | 6  |  | 10         |
| 40  | R1/8 | 39,5 | 6,5 | 21,5 | 10 |  | 49         |
| 50  | R1/8 | 50   | 9   | 26   | 14 |  | 51         |
| 63  | R1/8 | 48   | 6,5 | 27,5 | 10 |  | 90         |

### Bottom connection, white face

| Symbol                                                                              | Scale range |            |           | Model – Diameter & Connection |              |
|-------------------------------------------------------------------------------------|-------------|------------|-----------|-------------------------------|--------------|
|                                                                                     | bar *1)     | Mpa        | psi       | Ø 50<br>R1/8                  | Ø 63<br>G1/4 |
|  | 0 ... 1,6   | 0 ... 0,16 | 0 ... 23  | 18-015-024                    | —            |
|                                                                                     | 0 ... 4     | 0 ... 0,4  | 0 ... 58  | 18-015-025                    | —            |
|                                                                                     | 0 ... 6     | 0 ... 0,6  | 0 ... 87  | 18-015-026                    | —            |
|                                                                                     | 0 ... 10    | 0 ... 1    | 0 ... 145 | 18-015-027                    | 18-015-854   |
|                                                                                     | 0 ... 16    | 0 ... 1,6  | 0 ... 232 | —                             | 18-015-853   |
|                                                                                     | 0 ... 25    | 0 ... 2,5  | 0 ... 362 | 18-015-028                    | —            |

\*1) primary scale

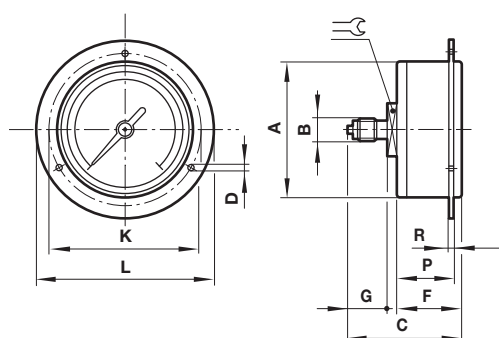


| Ø A | B    | C  | E | F  | G    | Symbol                                                                                | Weight (g) |
|-----|------|----|---|----|------|---------------------------------------------------------------------------------------|------------|
| 50  | R1/8 | 69 | 6 | 28 | 12,5 |  | 72         |
| 63  | G1/4 | 83 | 6 | 28 | 15   |  | 104        |

## Center back connection, panel mount, white face (secured from front with screws)

| Symbol | Scale range |            |           | Model - Diameter & Connection |               |
|--------|-------------|------------|-----------|-------------------------------|---------------|
|        | bar *1)     | Mpa        | psi       | Ø 40<br>G1/8A                 | Ø 63<br>G1/4A |
|        | 0 ... 1,6   | 0 ... 0,16 | 0 ... 23  | 18-015-879                    | 18-015-883    |
|        | 0 ... 6     | 0 ... 0,6  | 0 ... 87  | 18-015-878                    | 18-015-882    |
|        | 0 ... 10    | 0 ... 1    | 0 ... 145 | 18-015-877                    | 18-015-881    |
|        | 0 ... 16    | 0 ... 1,6  | 0 ... 232 | —                             | 18-015-880    |

\*1) primary scale

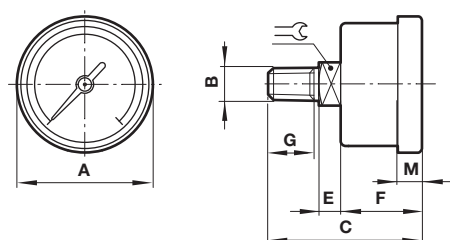


| Ø A | B     | C    | Ø D | F  | G  | Ø K  | Ø L  | P  | R  | Weight (g) |
|-----|-------|------|-----|----|----|------|------|----|----|------------|
| 42  | G1/8A | 42,5 | 3,6 | 25 | 12 | 53,5 | 60,5 | 23 | 11 | 81         |
| 63  | G1/4A | 46,5 | 3,6 | 29 | 16 | 75   | 85   | 26 | 2  | 14         |

## Stainless steel gauges Center back connection, white face

| Symbol | Scale range |     |           | Model - Diameter & Connection |            |
|--------|-------------|-----|-----------|-------------------------------|------------|
|        | bar *1)     | Mpa | lbf/in2   | Ø 40<br>1/8 PTF               | 1/4 PTF    |
|        | 0 ... 6     | —   | 0 ... 87  | —                             | 18-015-913 |
|        | 0 ... 10    | —   | 0 ... 145 | 18-015-844                    | 18-015-909 |
|        | 0 ... 25    | —   | 0 ... 362 | —                             | 18-015-905 |

\*1) primary scale



| Ø A | B       | C    | E   | F  | G  | M | Weight (g) |
|-----|---------|------|-----|----|----|---|------------|
| 40  | 1/8 PTF | 36   | 6,5 | 22 | 6  | 9 | 58         |
| 40  | 1/4 PTF | 46,5 | 7,5 | 25 | 11 | 9 | 74         |

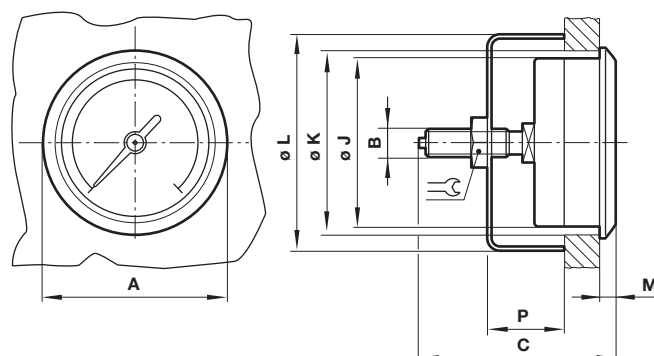
## Center back connection, panel mount, white face (secured from rear with clamping bar)

Dimensions in mm  
Projection/First angle



| Symbol | Scale range |            |           | Model - Diameter & Connection |               |
|--------|-------------|------------|-----------|-------------------------------|---------------|
|        | bar *1)     | Mpa        | psi       | Ø 50<br>G1/8A                 | Ø 63<br>G1/4A |
|        | 0 ... 1,6   | 0 ... 0,16 | 0 ... 23  | 18-015-996                    | —             |
|        | 0 ... 4     | 0 ... 0,4  | 0 ... 58  | 18-015-995                    | —             |
|        | 0 ... 6     | 0 ... 0,6  | 0 ... 87  | 18-015-994                    | —             |
|        | 0 ... 10    | 0 ... 1    | 0 ... 145 | 18-015-993                    | 18-015-852    |
|        | 0 ... 16    | 0 ... 1,6  | 0 ... 232 | —                             | 18-015-851    |
|        | 0 ... 25    | 0 ... 2,5  | 0 ... 362 | 18-015-992                    | —             |

\*1) primary scale



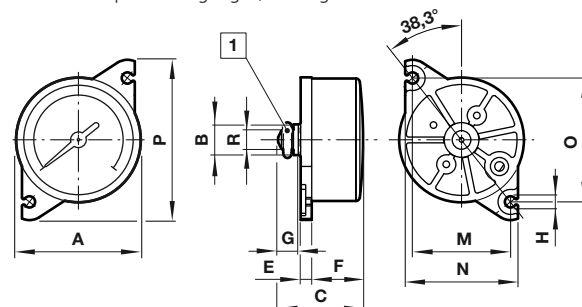
| Ø A | B     | C  | Ø J | Ø K | Ø L | M         | P  | Weight (g) |
|-----|-------|----|-----|-----|-----|-----------|----|------------|
| 50  | G1/8A | 62 | 48  | 52  | 66  | 0 ... 4,5 | 30 | 110        |
| 63  | G1/4A | 62 | 62  | 65  | 74  | 0 ... 4,5 | 37 | 140        |

## Gauge kit Center back connection, white face

| Symbol | Scale range  |               |           | Model - Diameter *2) |
|--------|--------------|---------------|-----------|----------------------|
|        | bar          | Mpa           | psi       | Ø 26                 |
|        | 0 ... 12 *1) | —             | 0 ... 175 | 9273KIT-01           |
|        | 0 ... 12     | 0 ... 1,2 *1) | —         | 9273KIT-02           |

\*1) primary scale

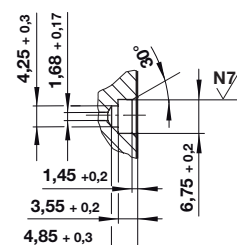
\*2) part number = pack of 5 gauges, 'O' rings and screw driver



1) 'O' ring

| Ø A | B +0,2 | C    | E   | F    | G   | H +0,2 | M    | N    | O    | P    | R +0,2 | Weight (g) |
|-----|--------|------|-----|------|-----|--------|------|------|------|------|--------|------------|
| 26  | 6,3    | 17,5 | 2,3 | 10,5 | 4,7 | 2,2    | 20,4 | 23,5 | 25,8 | 33,4 | 3,8    | 7          |

## Interface



## Center back connection, black face (for North America)

| Symbol                                                                            | Scale range |          |           | Model - Diameter & Connection |                           |                           |
|-----------------------------------------------------------------------------------|-------------|----------|-----------|-------------------------------|---------------------------|---------------------------|
|                                                                                   | psig *1)    | bar      | Mpa       | Ø 1.5" (Ø 40 mm)<br>1/8 NPT   | Ø 2" (Ø 50 mm)<br>1/8 NPT | Ø 2" (Ø 50 mm)<br>1/4 NPT |
|  | 0 ... 30    | 0 ... 2  | 0 ... 0.2 | 18-015-214                    | 18-015-201                | 18-015-207                |
|                                                                                   | 0 ... 60    | 0 ... 4  | 0 ... 0.4 | 18-015-211                    | 18-015-202                | 18-015-208                |
|                                                                                   | 0 ... 100   | 0 ... 7  | 0 ... 0.7 | –                             | 18-015-203                | 18-015-235                |
|                                                                                   | 0 ... 160   | 0 ... 11 | 0 ... 1.1 | 18-015-212                    | 18-015-204                | 18-015-209                |
|                                                                                   | 0 ... 300   | 0 ... 20 | 0 ... 2.1 | 18-015-275                    | 18-015-205                | 18-015-210                |
|                                                                                   | 0 ... 400   | 0 ... 28 | 0 ... 2.8 | –                             | 18-015-206                | –                         |

\*1) primary scale

## Bottom back connection, black face (for North America)

| Symbol                                                                            | Scale range |           |           | Model - Diameter & Connection |                           |
|-----------------------------------------------------------------------------------|-------------|-----------|-----------|-------------------------------|---------------------------|
|                                                                                   | psig *1)    | bar       | Mpa *4)   | Ø 1.5" (Ø 40 mm)<br>1/8 NPT   | Ø 2" (Ø 50 mm)<br>1/4 NPT |
|  | 0 ... 15    | 0 ... 1   | –         | –                             | 18-015-082                |
|                                                                                   | 0 ... 30    | 0 ... 2   | 0 ... 0.2 | 18-015-224                    | 18-015-030 *2)            |
|                                                                                   | 0 ... 60    | 0 ... 4   | 0 ... 0.4 | 18-015-225                    | 18-015-083 *2)            |
|                                                                                   | 0 ... 100   | 0 ... 7   | 0 ... 0.7 | 18-015-265                    | 18-015-084 *2)            |
|                                                                                   | 0 ... 160   | 0 ... 11  | 0 ... 1.1 | 18-015-273                    | 18-015-085 *2)            |
|                                                                                   | 0 ... 300   | 0 ... 20  | –         | –                             | 18-015-086 *2)            |
|                                                                                   | 0 ... 2000  | 0 ... 135 | –         | –                             | 18-015-244 *3)            |
|                                                                                   | 0 ... 3000  | 0 ... 205 | –         | –                             | 18-015-087 *3)            |
|                                                                                   |             |           |           |                               |                           |
|                                                                                   |             |           |           |                               |                           |

\*1) primary scale

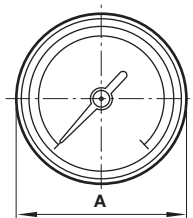
\*2) Underwriters Laboratories Inc. listed

\*3) Shipped with pulsation dampener installed.

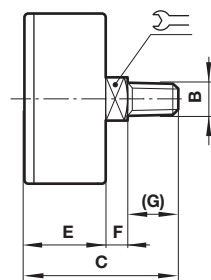
Please add -9D to the end of model number

\*4) Mpa scale for Ø 1.5" only

Dimensions in inches (mm)

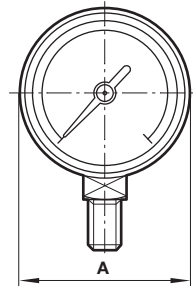


Dimensions in inch (mm)  
Projection/Third angle

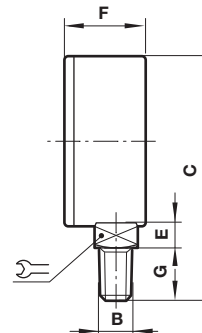


| Ø A      | B       | C         | E         | F        | (G)       |  | Weight (lb) |
|----------|---------|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|-------------|
| 1.5 (40) | 1/8 NPT | 1.60 (41) | 0.97 (25) | 0.23 (6) | 0.40 (10) | 0.43 (11)                                                                           | 0.12 (54 g) |
| 2 (50)   | 1/8 NPT | 1.73 (44) | 1.03 (26) | 0.23 (6) | 0.47 (12) | 0.55 (14)                                                                           | 0.17 (77 g) |
| 2 (50)   | 1/4 NPT | 1.73 (44) | 1.03 (26) | 0.23 (6) | 0.47 (12) | 0.55 (14)                                                                           | 0.18 (81 g) |

Dimensions in inches (mm)



Dimensions in inch (mm)  
Projection/Third angle



| Ø A      | B       | C        | E        | F         | G         |  | Weight (lb)  |
|----------|---------|----------|----------|-----------|-----------|---------------------------------------------------------------------------------------|--------------|
| 1.5 (40) | 1/8 NPT | 2.2 (56) | 0.31 (8) | 0.90 (23) | 1.11 (28) | 0.43 (11)                                                                             | 0.14 (64 g)  |
| 2 (50)   | 1/4 NPT | 2.7 (69) | 0.31 (8) | 1.06 (27) | 1.42 (36) | 0.55 (14)                                                                             | 0.22 (100 g) |

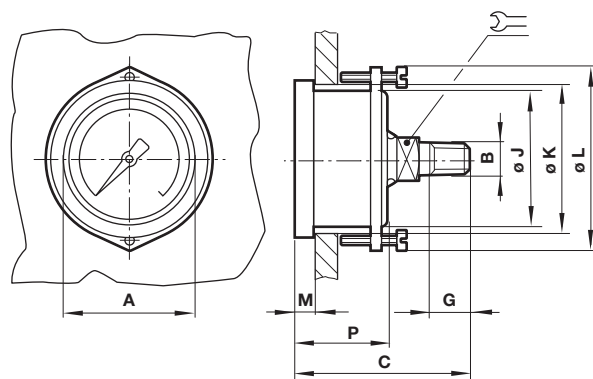
## Center back connection, panel mounted, black face (for North America)

| Symbol                                                                           | Scale range |         |           | Model - Diameter & Connection<br>Ø 1.5" (Ø 40 mm)<br>1/8 NPT male & 10 - 32 female |
|----------------------------------------------------------------------------------|-------------|---------|-----------|------------------------------------------------------------------------------------|
|                                                                                  | psig *1)    | bar     | Mpa       |                                                                                    |
|  | 0 ... 30    | 0 ... 2 | 0 ... 0.2 | 5PG-406-000                                                                        |
|                                                                                  | 0 ... 60    | 0 ... 4 | 0 ... 0.4 | 5PG-412-000                                                                        |
|                                                                                  | 0 ... 100   | 0 ... 7 | 0 ... 0.7 | 5PG-420-000                                                                        |

\*1) primary scale

Dimensions in inches (mm)

Dimensions in inch (mm)  
Projection/Third angle



| Ø A      | B          | C         | G                                                                                   | Ø J         | Ø K       |
|----------|------------|-----------|-------------------------------------------------------------------------------------|-------------|-----------|
| 1.5 (40) | 1/8 NPT    | 1.69 (43) | 0.60 (15)                                                                           | 1.61 (41)   | 1.63 (41) |
| Ø L      | M          | P         |  | Weight (lb) |           |
| 2.1 (53) | 0.18 (4,5) | 1.04 (27) | 0.55 (14)                                                                           | 0.15 (68 g) |           |

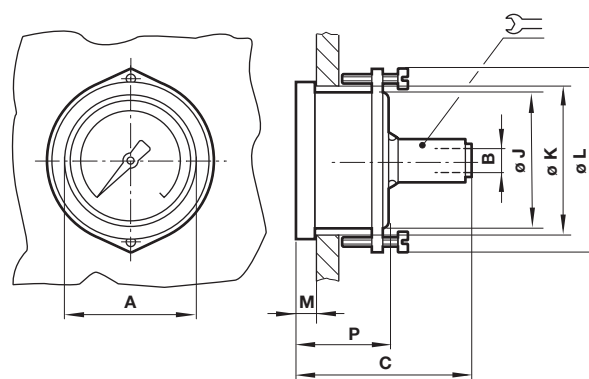
## Center back connection, panel mounted, black face (for North America)

| Symbol                                                                            | Scale range |         |           | Model<br>Ø 1.5" (Ø 40 mm)<br>Ø 5/32" PIF (Ø 4 mm) |
|-----------------------------------------------------------------------------------|-------------|---------|-----------|---------------------------------------------------|
|                                                                                   | psig *1)    | bar     | Mpa       |                                                   |
|  | 0 ... 100   | 0 ... 7 | 0 ... 0.7 | 18-015-538                                        |
|                                                                                   |             |         |           |                                                   |
|                                                                                   |             |         |           |                                                   |

\*1) primary scale

Dimensions in inches (mm)

Dimensions in inch (mm)  
Projection/Third angle



| Ø A      | Ø B       | C         | Ø J                                                                                   | Ø K         |
|----------|-----------|-----------|---------------------------------------------------------------------------------------|-------------|
| 1.5 (40) | 0.156 (4) | 1.71 (43) | 1.61 (41)                                                                             | 1.63 (41)   |
| Ø L      | M         | P         |  | Weight (lb) |
| 2.1 (53) | 0.18 (5)  | 0.86 (22) | 0.55 (14)                                                                             | 0.15 (68 g) |

## Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/ data«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.