



REFRIGERANT PRESSURE GAUGES

Type 3: (Freon scale) Stainless steel case with brass internals

Type 4: (Ammonia scale) Stainless steel case with stainless steel internals

Service Intended

Suitable for refrigeration media such as freon and ammonia. Typical applications will be in the refrigeration and air-conditioning industry.

Case Details

Nominal Dia: 63, 80, 100 & 150mm diameter.
Material: Stainless steel.

Pressure Connections

Material: Type 3: Brass. Type 4: Stainless steel 316
Sizes: 63 & 80mm dia: 1/8" & 1/4" in BSP or NPT or 1/4" flare.
Sizes: 100 & 150mm dia: 1/4", 3/8" & 1/2" in BSP or NPT or 1/4" flare.

Position: See "Mounting Configurations".

Mounting Flange

Material: Polished stainless steel
Position: See "Mounting Configurations".

Pressure Element

Material: Type 3: Cu-alloy. Type 4: Stainless steel 316.

Geared Movement

Material: Clockwork brass or stainless steel.

Pointer

Collet: Aluminium or brass
Blade: Black aluminium

Dial

Material: Aluminium, white with black lettering.

Window

Instrument glass or plexiglass.

Weather Protection

IP 65 Dust & weather proof.

Bezel

Nitrile Rubber Self sealing type.

Working Pressure

Steady: Full scale value
Fluctuating: 90% of full scale value
Short Period: 130% of full scale value
For pulsating pressure, the use of an inlet restrictor and/or liquid filling is recommended.

Accuracy Class

63mm & 80mm dia: Class 1.6 (1.6 % of full scale value)
100mm & 150mm dia: Class 1 (1% of full scale value)

Operating Temperature

Ambient: -20 °C to + 60 °C
Medium: +70 °C (soldered tube); + 100 °C (brazed tube)

Optional Extras

- Calibration Certificate
- Rubber cover (for robust handling)
- Customized scale plates (customer logo, red line, etc)
- Special Dials, other than standard (dual scale, bar, psi)
- Damped movement (Vibragauge)
- Single or double electrical contacts (100 & 150mm only)
- Colour Coding of dial
- Drag pointer (maximum set pointer)
- Micro adjustable pointer
- Blow out disc

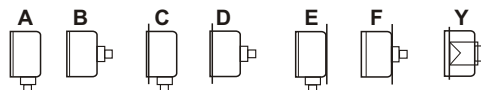


Ammonia gauge



Freon gauge

MOUNTING CONFIGURATIONS



- A:** Bottom connection, no flange
- B:** Rear connection, no flange
- C:** Bottom connection, front flange
- D:** Rear connection, front flange
- E:** Bottom connection, rear flange
- F:** Rear connection, rear flange
- Y:** Rear con. narrow front ring (clamp mtg)

STANDARD PRESSURE RANGES

Ranges	Figure Interval	Minor Graduations	Ranges	Figure Interval	Minor Graduations
Freon			Ammonia R 717 (NH ₃)		
-100 / 0 / 1250kPa	200	50	-100 / 0 / 1250kPa	200	50
-100 / 0 / 2500kPa	500	100	-100 / 0 / 2500kPa	500	50
-100 / 0 / 12,5bar	2	0,5	-100 / 0 / 12,5bar	2	0,5
-100 / 0 / 25bar	5	1	-100 / 0 / 25bar	5	0,5
Above scales standard with R-12 and R-22 temperature scale.			Above scales standard with R 717 (NH ₃) temperature scale.		
Optional scales Other equivalent units of pressure or vacuum such as psi and inHG etc. Dual scales, such as kPa / psi, or bar / psi. Other °C scales for refrigerants R-134 a, R-23 R-406 a, R-502, etc.			Optional scales Other equivalent units of pressure or vacuum such as psi and inHG etc. Dual scales, such as kPa / psi, or bar / psi.		

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