

Refrigerant Pressure Gauge

Chrome Plated Steel Case

P-1P

- ⇒ Phosphor Bronze Bourdon Tube and Brass Socket
- ⇒ Red Temperature Indication on Dial R-22, R-12, R-502
- ⇒ Low Pressure 30"HG/0/120 PSI Retard to 250 PSI, High pressure 0/500 PSI
- ⇒ 100% Leak tested to ensure integrity to 1×10^{-4} CC per second of gas at rated pressure



HCFC

R-22

CFC

R-12 R-502

Typical Applications:

- ☑ Suitable for use on all freon service applications

HAWK 46B series

refrigerant pressure gauges are ideally suited for refrigeration applications such as testing automotive, industrial and residential air conditioning at high quality performance requirement and low cost. The red temperature equivalent scale provides easy analysis of the refrigeration system. These gauges feature a front flange for flushmounting which permits easy mounting in panel board applications by service technicians.

Specifications

Operating

Steady: 75%*full scale value
Pulsation: 50%*full scale value
Sudden: 100%*full scale value

The appropriate operating range falls in the middle half of the gauge (25% to 75% of full scale). If you choose the unsuitable range, the fatigue of bourdon tube may be resulted.

Temperature limit

Ambient: -25 to 60°C
Media: max 60°C

Temperature effect

Accuracy of measurement will be effected by the temperature change. This inaccuracy may as high as $\pm 0.3\%$ for 12°C temperature change.

Dial Size

2 1/2" (63mm)

Case&Ring

Steel Case with Chrome Plated,
Front Flange with 3 holes

Socket

Brass

Movement

Brass

Bourdon Tube

Phosphor bronze or Brass

Window

Polycarbonate

Dial

White background with black markings, refrigerant temperature scales in R-12, R-22, R-502 in red.

Pointer

Anodized aluminum with black finish

Accuracy

$\pm 3-2-3\%$ of span
(Grade B to ASME B40.1)

Scale

PSI, kPa, Mpa, bar, kg/cm²,
inHg, mmHg

Connection

1/4" NPT standard, 7/16"-20
UNF, JIS, DIN and M14*1.0
available

Mounting

Panel or Flushing mounting

Weatherproof

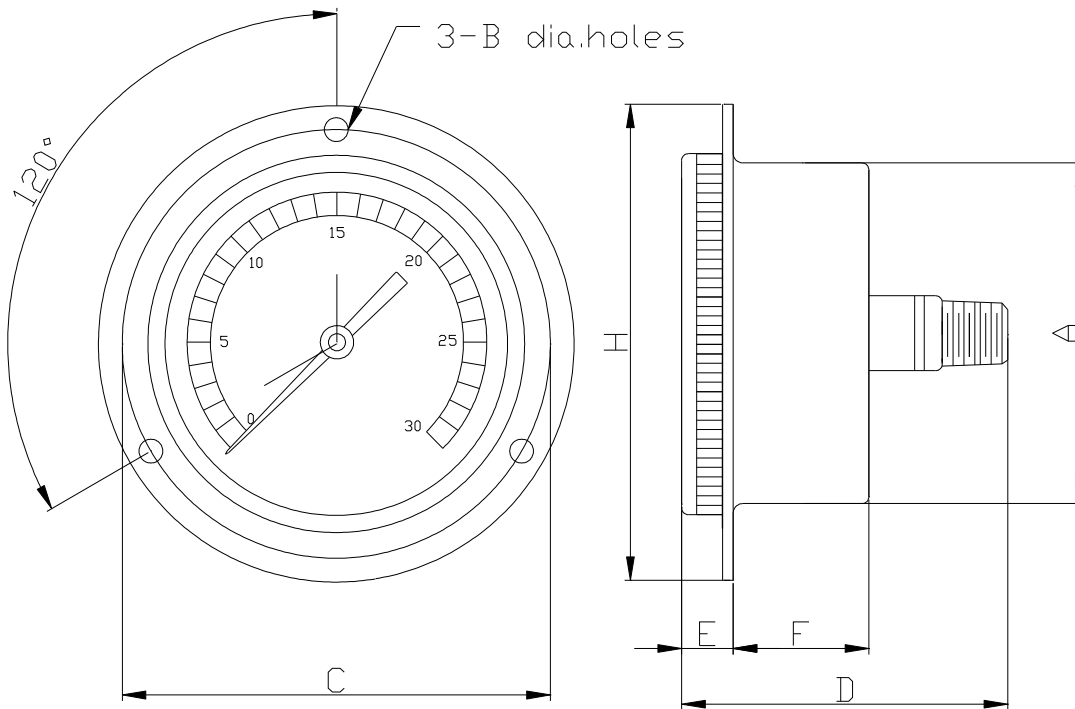
NEMA 3/IP54 enclosure

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Dimensions



46B(Back Connection)

2 1/2"(63mm) Dial Size

Dimensions, in.(mm)

Type No.:	A	B	C	D	E	F	G	H	J	K	L	Weight
46B(2.5")	2.60" (66)	0.19" (5)	3.07" (78)	2.21" (56)	0.28" (7)	0.98" (25)		3.35" (85)				0.18-0.23 Kg

Pressure Ranges

- 1.The other scales and ranges (DIN) are available in request.
2. Not all listed ranges and scales are in stock, consult your distributors for available.

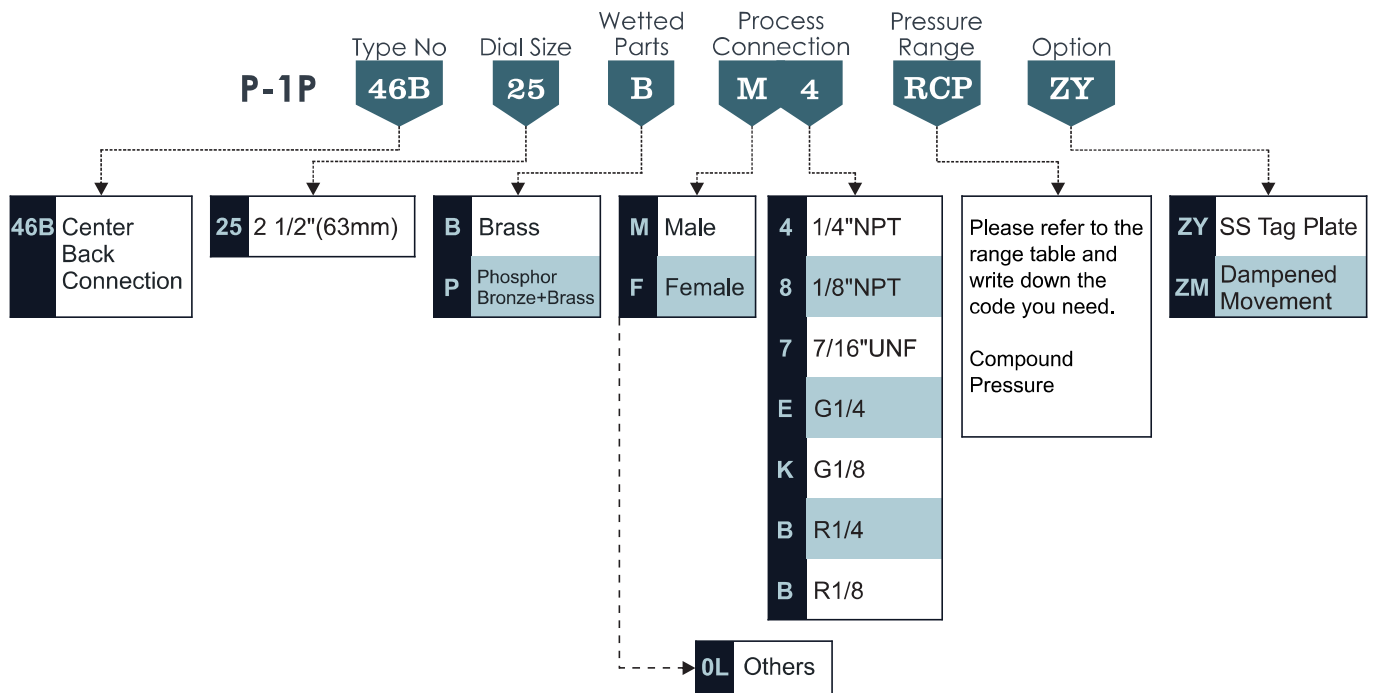
Freon Pressure Ranges					
Code	Range	Code	Range	Code	Range
ICK	30inHg/0/120PSI (or 150PSI)	ICO	-100/0/1500 kPa	ICR	0/34 bar
ICL	0/500 PSI	ICP	0/3500 kPa	ICS	-0.1/0/1.5 Mpa
ICM	-76cmHg/0/15 kg/cm ²	ICQ	-1/0/15 bar	ICT	0/3.5 Mpa
ICN	0/35 kg/cm ²				

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Order Information



Option

Certificate of Accuracy (NIST)

ZI

Improved Accuracy

Z1



ZC

Certificate of Accuracy (Factory)

ZE

Certificate of Accuracy (TAF)

NACE-MR0175-2002
Heat Treatment

ZN



ZX

Cleaned for Oxygen
Service

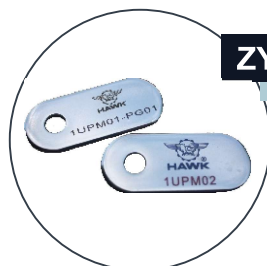
Dampener

08



ZY

Stainless Steel Tag Plate

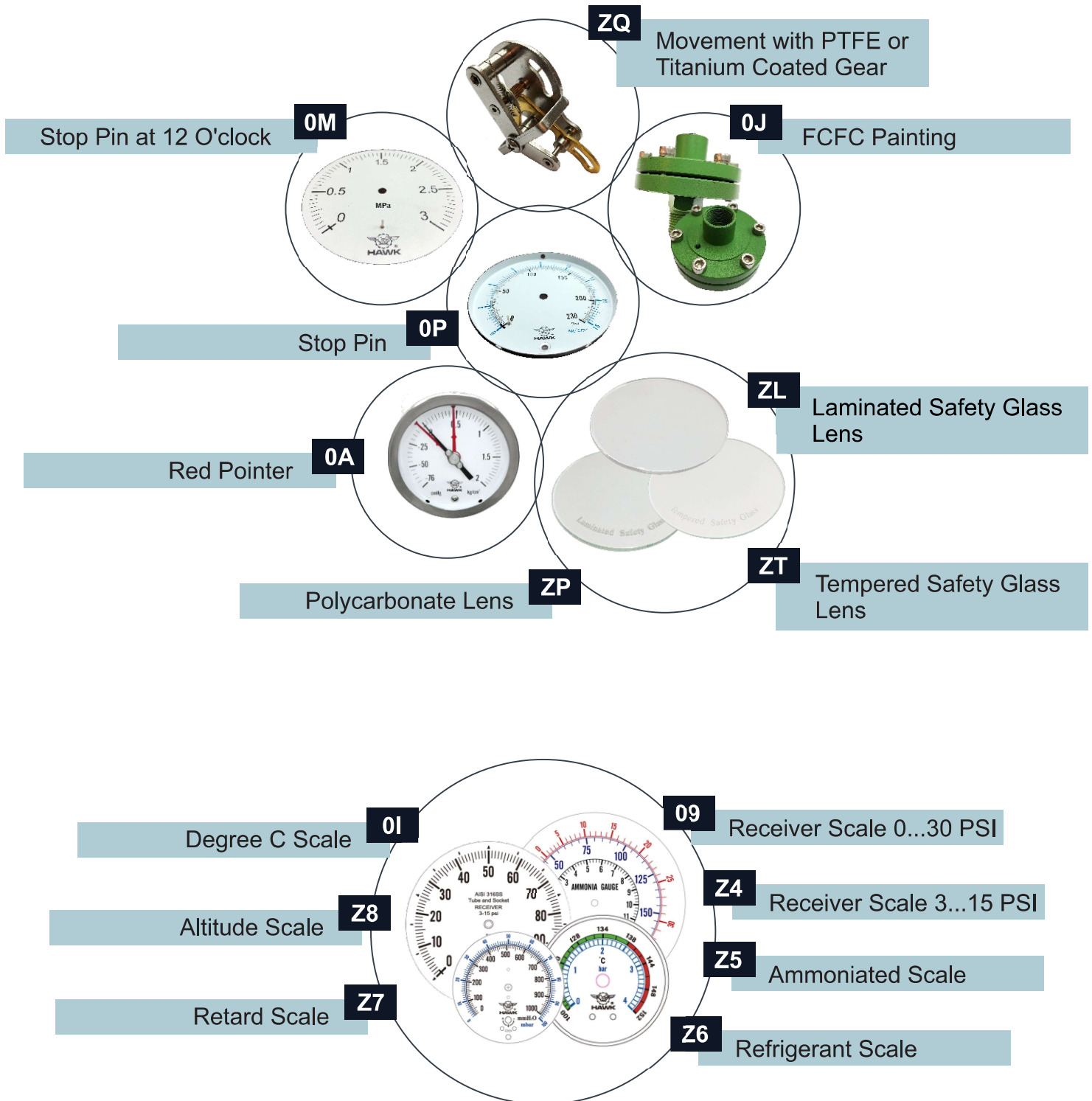


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Option



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Limited Warranty and Liability

HAWK GAUGE CO.,LTD warrants all its mechanical instruments to be free from defects in materials and workmanship. HAWK agrees to repair or replace any pressure gauges if returned to our factory, transportation charges prepaid, and after which examination reveals is to be defective due to faculty workmanship or material.

This warrant should not apply to subject to the following terms and conditions:

- A.** The product has not been subjected to misuse, neglect, abuse , accident, incorrect mounting, improper use or misapplication such as negligence, accident, vandalism, shock or vibration.
- B.** The performance of any system of which HAWK's products are a component part.
- C.** The product has not been exposed to any other service, range or environment of greater severity than that for which the products were designed.
- D.** The product has not been altered or repaired by anyone except HAWK GAUGE or its authorized service agencies.
- E.** The serial number or date code has not been removed, defaced or changed.
- F.** The actual pressure&temperature occurring exceed the values specified for HAWK Process gauge.

Unless otherwise specified in a manual or warranty card, or agree to in a writing signed by HAWK GAUGE office, HAWK Process gauge products shall be warranted for one years from the date of sale.

This warranty is in lieu of all other warranties expressed or implied, and of all obligations or liabilities on its part for damages including but not limited to consequential damages, following the use of misuse of instruments sold by it.

No agent is authorized to assume for it any liability except as set forth above.

Note

HAWK GAUGE CO.,LTD reserves the right to make product improvements and change its specifications at any time stated throughout this brochure without notification. Please contact the factory on all critical dimensions and specifications for verification.

HAWK GAUGE is not expert in the customer's technical field and therefore doesn't warrant suitability of it's product for the application selected by customer.



Data Sheet No: MKDP1P46A1-E