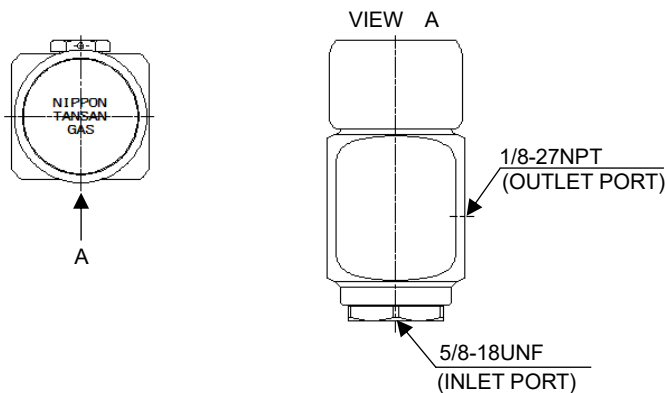


SPECIFICATION

ITEM NUMBER : 50048

NTG product name : NR-24:PO-LE101

DESCRIPTION : Regulator, Fixed, 14.5psi, Brass, NR-24



Warranty

: One year from date of delivery.

: Regulator used for purposes other than those described in this specification or altered in any way is not covered by this warranty.

: Problems arising from using cylinders other than described in this specification are not covered by this warranty.

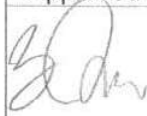
No.	Date	Description	Drawn	Approved
DATE	08.09.21	No.	F-5014-4	
Leland Limited Incorporated			Approved	Drawn
			LS (SOF)	FS (SOF)



SPECIFICATION

NR-24: P0-LE101



4	'21.08.02	Amend(Packaging)	J.A	Y.N
3	'21.07.13	Amend(Function, Style and Appearance, Lot number, Packaging, Notes) Delete(Inspection items)	J.A	Y.N
2	'21.05.10	Delete(Warranty)	M.W	Y.N
1	'12.12.18	Amend(Technical data, Notes Reference characteristic)	H.S	I.F
No.	Date	Description	Drawn	Approved
DATE	'06.9.22	No.	KP-NR24-001-007	
NIPPON TANSAN GAS CO., LTD			Approved	Drawn
				

n.h

1 Name

NR-24: P0-LE101

2 Application

This specification applies to the “NR-24: P0-LE101” regulator.

3 Function

This regulator supplies gas by installing an NTG gas cylinder to the inlet port.

This regulator reduces high pressure gas from the cylinder in the $14.5^{+4.5}$ [psi].

($0.1^{+0.03}$ [MPa])

4 Technical data

Cylinder	For use with NTG gas cylinder
Inlet port	Female 5/8-18UNF
Outlet port	Female 1/8-27NPT
Outlet pressure range	$14.5^{+4.5}$ [psi] ($0.1^{+0.03}$ [MPa])
Flow rate	15 [L/min] or more
Proof pressure (Primary)	7685 [psi] or more (53 [MPa])
Proof pressure (Secondary)	218 [psi] or more (1.5 [MPa])
Safety device (Primary)	5510^{+580} [psi] (38^{+4} [MPa])
Safety device (Secondary)	up to 131 [psi] (0.9 [MPa])
Operating temperature	32 to 104 [Degrees F.] (0 to 40 [Degrees C.])
Operating inlet pressure	145 to 2755 (The max filling pressure) [psi] (1 to 19 [MPa])
Operating flow rate	Carbon dioxide gas use flow rate less than 12 [L/min]
Mass	Approx. 0.948[lbs.] (430 [g])
Gas	Air, Carbon dioxide (CO ₂), Nitrogen (N ₂), Helium (He)
Lubrication oil	White Vaseline
Standard pressure characteristic	(Figure 1)

Standard flow rate
characteristic

(Figure 2)

5 Style and Appearance

As per drawing provided separately.

6 Lot number

Lot number is die-marked on the Body.

7 Packaging

As per our standard specification.

8 Notes

- 1 Use a specified NTG gas cylinder.
- 2 Store the regulator and cylinder at temperatures between 32 and 104 degrees F (0 and 40 degree C).
- 3 Do not remove the gas cylinder from the regulator until the cylinder is completely empty.
- 4 When installing the gas cylinder to the inlet port, screw tightly. The gas may begin to leak while puncturing but keep installing the cylinder tightly.
- 5 This regulator is adjusted precisely. Do not disassemble or modify.
- 6 The gas cylinder gets cold after use. Be careful when handling the cold cylinder. Wrap the cylinder with cloth when removing the cylinder, if necessary.
- 7 Do not drop, and do not hit.
- 8 This regulator is not waterproof.
- 9 When using fluids, install a check vale to the outlet port of the regulator for backflow prevention. The backflow of such fluids can cause problems on the regulator functions.
- 10 When using with a CO₂ cylinder, the regulator should be handled at the angles shown in the figure. Liquefied carbon dioxide may enter and that could cause inaccurate results or malfunctions of the secondary safety device.
- 11 Outlet pressure can be set or adjusted either while releasing the gas or closing the valve. However, the pressure value will be different from each other.



Reference characteristic (N₂)

Fig.1 Standard pressure characteristic

Conditions: Secondary pressure is 14.5 [psi] at no flow. (Primary pressure 1450 [psi])

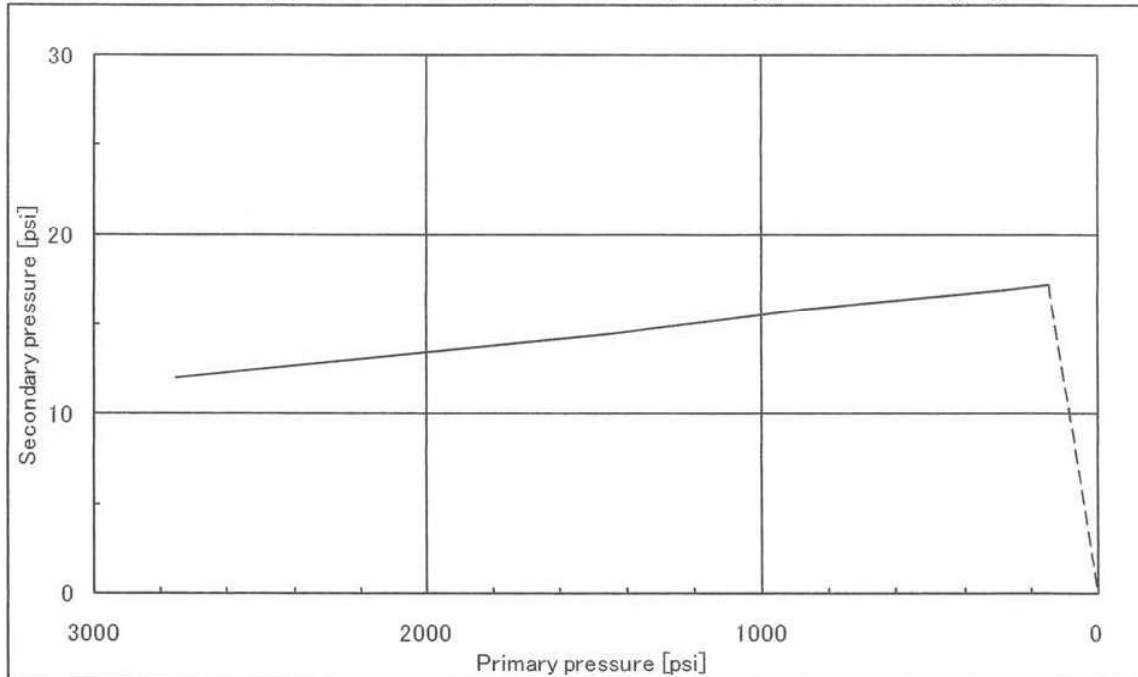


Fig.2 Standard flow characteristic

Conditions: Secondary pressure is 14.5 [psi] at no flow.

