

# Gas



ENGINEERING YOUR SUCCESS.



## C – Gas

Hose	ID Range (mm)	Temp. Range (°C)	Application
AUTOGENE EN ISO 3821 NR/L – NB/L 20	6.3 - 10	-25 / +80	welding process
PROPANPRESS EN ISO 3821 NA/L 20	6.3 - 10	-30 / +70	propan gas delivery
CARBO G NW/L 10 – NB/R 10	8 - 13	-20 / +90	household appliances



	Tube	Reinforcement	Cover	WP (bar)	Design Factor	Suction	Industry standard	Page
	EPDM/SBR	textile	EPDM	20	3		EN ISO 3821	<b>C4</b>
	NBR/NR	textile	EPDM	20	3		EN ISO 3821	<b>C5</b>
	NBR	textile	EPDM	10	3		UNI CIG 7140	<b>C6</b>



# AUTOGENE EN ISO 3821 NR/L – NB/L 20

According to EN ISO 3821

*Designed for delivery of welding and allied process gases.*

## Hose Construction

**Tube:** Black, smooth EPDM rubber compound resistant to Acetylene gas (Red cover). Black, smooth EPDM/SBR rubber compound resistant to Oxygen gas (Blue cover). Not suitable for LPG, good resistance to ignition (Red and Blue)

**Reinforcement:** Synthetic textile yarns

**Cover:** Smooth, red (NR) or blue (NB) EPDM rubber compound resistant to abrasion, ageing hot surfaces and incandescent particles



- For welding in industrial and domestic application
- Colored cover following specs indication: Red for Acetylene and Blue for Oxygen
- Exceeds the standard on backfire test
- Excellent flexibility
- Design Factor 3:1

## Tolerances

According to EN ISO 3821

Refer to Technical Handbook on page TH35

## Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)

**Bold printed part numbers are stock products.**

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
<b>AUTOGENE EN ISO 3821 NR/L 20</b>								
<b>IH30412803/40</b>	6.3	13.3	2.0	300.0	20	0.15	40	Y
<b>IH30412914/100</b>	8	15	2.0	300.0	20	0.17	40	Y
<b>IH30412716/40</b>	9	16	2.0	300.0	20	0.19	45	Y
<b>IH30412716/100</b>	9	16	2.0	300.0	20	0.19	45	Y
<b>IH30413221/40</b>	10	17	2.0	300.0	20	0.20	50	Y
<b>IH30413221/100</b>	10	17	2.0	300.0	20	0.20	50	Y
<b>AUTOGENE EN ISO 3821 NB/L 20</b>								
<b>IH30412703/40</b>	6.3	13.3	2.0	300.0	20	0.15	40	Y
<b>IH30412915/100</b>	8	15	2.0	300.0	20	0.17	40	Y
<b>IH30412707/40</b>	9	16	2.0	300.0	20	0.22	50	Y
<b>IH30412707/100</b>	9	16	2.0	300.0	20	0.22	50	Y
<b>IH30413220/40</b>	10	17	2.0	300.0	20	0.24	50	Y

### IMPORTANT!

Welding applications can be hazardous. Please take all the necessary safety precautions.

Hose layline example

**RUBBER HOSE – EN ISO 3821 – 2 MPa (20 bar) – I.D. (Year with traceability code)**



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**RUBBER HOSE – EN ISO 3821 – 2 MPa (20 bar) – I.D. (Year with traceability code)**



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# PROPANPRESS EN ISO 3821 NA/L 20

According to EN ISO 3821

*Suitable for LPG in industrial applications.*

## Hose Construction

- Tube:** Black, LPG resistant smooth NBR/ NR rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Orange, smooth EPDM rubber compound resistant to ageing and weathering, pin-pricked cover to prevent blisters during use

## Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)








- Orange cover following specs indication
- Flexible hose for easy handling
- Design Factor 3:1

## Tolerances

According to EN ISO 3821  
Refer to Technical Handbook on page TH35

**Bold printed part numbers are stock products.**

Part Number	 I.D. (mm)	 O.D. (mm)	 Max. Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
<b>IH30413456/100</b>	6.3	13.3	2.0	300.0	20	0.16	50	Y
<b>IH30413457/100</b>	8	15	2.0	300.0	20	0.18	65	Y
<b>IH30413459/100</b>	8.5	16	2.0	300.0	20	0.21	70	Y
<b>IH30413458/100</b>	10	17	2.0	300.0	20	0.22	80	Y

Hose layline example

RUBBER HOSE PROPANPRESS EN ISO 3821 - 2MPa (20 bar) - I.D. (Year with the traceability code)



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# CARBO G NW/L 10 – NB/R 10

According to UNI 7140

Connection of household appliances to the gas line (NW/L) or to LPG bottles (NB/R).

## Hose Construction

**Tube:** Black, smooth NBR rubber compound, suitable for Domestic Gas

**Reinforcement:** Synthetic textile yarns

**Cover:** White (NW) or blue (NB), ageing-resistant, smooth (/L) or ribbed (/R) EPDM rubber compound

## Temperature Range

-20 °C (-4 °F) to +90 °C (+194 °F)








- Quarterly tested by IMQ (Italian Institute of Quality Approval)
- Low permeability
- Superior tensile strength
- White smooth cover for indoor and blue ribbed cover for outdoor
- Design Factor 3:1

## Tolerances

According to UNI 7140

Refer to Technical Handbook on page TH35

**Bold printed part numbers are stock products.**

Part Number	 I.D. (mm)	 O.D. (mm)	 Max. Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
<b>CARBO G NB/R</b>								
<b>IH30551594/100</b>	8	13	1.0	150.0	10	0.145	45	Y
<b>CARBO G NW/L</b>								
<b>IH30551600/100</b>	13	20	1.0	150.0	10	0.310	70	Y

Hose layline example

CARBO/G UNI 7140 – CL1 – TIPO A1 – DN16 – 0,2 bar – IMQ – da sostituire entro il 2019



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CARBO/G UNI 7140 – CL1 – TIPO A1 – DN8 – 0,2 bar – IMQ – da sostituire entro il 2019



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