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# Gas



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## D – 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
BIPRESS EN ISO 3821 B-R/L 20	6.3 - 10	-25 / +80	welding process
INERPRESS EN ISO 3821 N/L 20	6.3 - 10	-25 / +80	inert gas delivery
PROPANPRESS EN ISO 3821 N/L 20	6.3 - 10	-30 / +70	propan gas delivery
MULTIGASPRESS EN ISO 3821 NRA/L 20	6.3 - 16	-25 / +70	various gas delivery
CARBO G NW/L 10 – NB/R 10	8 - 13	-20 / +90	household appliances



	Tube	Reinforcement	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	SBR	textile	SBR/EPDM	20	3		EN ISO 3821	D4
	SBR	textile	SBR/EPDM	20	3		EN ISO 3821	D5
	NBR	textile	SBR/EPDM	20	3		EN ISO 3821	D6
	NBR	textile	NBR/PVC	20	3		EN ISO 3821	D7
	NBR	textile	NBR/PVC	20	3		EN ISO 3821	D8
	NBR	textile	SBR/EPDM	10	3		UNI CIG 7140	D9



# 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 SBR rubber compound, resistant to Welding Gases and not suitable for LPG, good resistance to ignition
- Reinforcement:** Synthetic textile yarns
- Cover:** Smooth (/L) or ribbed (/R), red (NR) or blue (NB), SBR/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
- Burst Pressure Value 3:1

## Tolerances

According to EN ISO 3821

Refer to *Technical Handbook* on page TH34

## Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
<b>AUTOGENE EN ISO 3821 NR/L 20</b>								
IH30412803/40	6.3	13.3	2.0	300.0	20	0.15	40	Y
IH30412914/100	8	15	2.0	300.0	20	0.17	40	Y
IH30412716/40	9	16	2.0	300.0	20	0.19	45	Y
IH30412716/100	9	16	2.0	300.0	20	0.19	45	Y
IH30413221/40	10	17	2.0	300.0	20	0.20	50	Y
IH30413221/100	10	17	2.0	300.0	20	0.20	50	Y
<b>AUTOGENE EN ISO 3821 NB/L 20</b>								
IH30412703/40	6.3	13.3	2.0	300.0	20	0.15	40	Y
IH30412706/40	6.3	16.3	2.0	300.0	20	0.25	40	N
IH30412915/100	8	15	2.0	300.0	20	0.17	40	Y
IH30412707/40	9	16	2.0	300.0	20	0.19	45	Y
IH30413220/40	10	17	2.0	300.0	20	0.20	50	Y

### IMPORTANT!

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

RUBBER HOSE – EN ISO 3821 – 2 MPa [20 bar] – I.D. MADE IN ITALY (Year with traceability code)



RUBBER HOSE – EN ISO 3821 – 2 MPa [20 bar] – I.D. MADE IN ITALY (Year with traceability code)





# BIPRESS EN ISO 3821 B-R/L 20

According to EN ISO 3821

*A dual line hose designed for Welding Gas equipment, cutting and allied processes.*

## Hose Construction

- Tube:** Black, smooth SBR rubber compound, resistant to Welding Gases
- Reinforcement:** Synthetic textile yarns
- Cover:** Red and blue, ageing and abrasion-resistant, smooth SBR/EPDM rubber compound

## Temperature Range






-25 °C (-13 °F) to +80 °C (+176 °F)



- 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
- Burst Pressure Value 3:1

## Tolerances

According to EN ISO 3821  
Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH30401107/40	6.3+6.3	13	2.0	300.0	20	0.29	–	Y
IH30401106/40	6.3+9	16	2.0	300.0	20	0.43	–	Y
IH30401108/100	8+8	15	2.0	300.0	20	0.34	–	Y
IH30401111/40	9+9	16	2.0	300.0	20	0.38	–	Y
IH30401112/100	10+10	17	2.0	300.0	20	0.46	–	N

### IMPORTANT!

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

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



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



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# INERPRESS EN ISO 3821 N/L 20

According to EN ISO 3821

*Designed for delivery of inert gases.*

## Hose Construction

**Tube:** Black, smooth SBR rubber compound, resistant to inert gases. Not suitable for LPG

**Reinforcement:** Synthetic textile yarns

**Cover:** Smooth (/L), SBR/EPDM rubber compound resistant to abrasion, ageing

## Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)








- For handling inert and noble gas
- Black cover following specs indication
- Excellent flexibility
- Burst Pressure Value 3:1

## Tolerances

According to EN ISO 3821

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)		MPa	psi	bar			
IH30412940/40	6.3	13.3	2.0	300.0	20	0.17	40	Y	
IH30413603/80	8	15	2.0	300.0	20	0.17	40	Y	
IH30412941/40	10	17	2.0	300.0	20	0.20	50	Y	



# PROPANPRESS EN ISO 3821 N/L 20

According to EN ISO 3821

*Suitable for LPG in industrial applications.*

## Hose Construction

- Tube:** Black, LPG resistant smooth NBR rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Orange, smooth PVC/NBR 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)



- Pin-pricked cover
- Low permeation
- Orange cover following specs indication
- Flexible hose for easy handling
- Burst Pressure Value 3:1

## Tolerances

According to EN ISO 3821  
Refer to Technical Handbook on page TH34

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

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



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# MULTIGASPRESS EN ISO 3821 NRA/L 20

According to EN ISO 3821

Suitable for all fuel gases included in the EN ISO 3821 Norm (except fluxed fuel gases) like: acetylene, LPG, MPS, natural gas, methane.

## Hose Construction

**Tube:** Black, smooth NBR rubber compound suitable for all fuel gases included in the EN ISO 3821 Norm except fluxed fuel gases

**Reinforcement:** Synthetic textile yarns

**Cover:** Red/orange, PVC/NBR, smooth rubber compound. Resistant to ageing, weathering, pin-pricked cover to prevent blisters during use



- Pin-pricked cover
- Low permeation
- Dual colored cover following specs indication
- Flexible hose for easy handling
- Burst Pressure Value 3:1






## Tolerances

According to EN ISO 3821

Refer to Technical Handbook on page TH34

## Temperature Range

-25 °C (-13 °F) to +70 °C (+158 °F)

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH30412960/40	6.3	13.3	2.0	300.0	20	0.17	50	N
IH30412962/40	9	16	2.0	300.0	20	0.21	70	N
IH30412964/40	12.5	22.5	2.0	300.0	20	0.41	105	N
IH30412965/40	16	26	2.0	300.0	20	0.44	150	N





# 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) SBR/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
- Burst Pressure Value 3:1

## Tolerances

According to UNI 7140

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)		Working Pressure			 Weight	 min. Bend Radius	in Stock
				MPa	psi	bar			
<b>CARBO G NB/R 10</b>									
IH30551594/100	8	13	1.0	150.0	10	0.13	33	Y	
<b>CARBO G NW/L 10</b>									
IH30551600/100	13	20	1.0	150.0	10	0.29	51	Y	

CARBO G UNI 7140 – I.D. – IMQ – DA SOSTITUIRE ENTRO IL ... – MADE IN ITALY



CARBO G UNI 7140 – I.D. – IMQ – DA SOSTITUIRE ENTRO IL ... – MADE IN ITALY



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