



WELDING AND CUTTING EQUIPMENT

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WELDING & CUTTING EQUIPMENT

WELDING AND CUTTING EQUIPMENT

Heavy/Medium duty equipment for the roughest and toughest welding and cutting applications. construction, bridge building, ship building, railroading, mining and farming applications.

Keeping the highest standard of quality during long hours of flowless performance.

Oxy-Acetylene

Heavy duty SILVER STAR® SMITH'S® welding and cutting outfit with cutting torch and welding handle.



2 Years Warranty

PN# 4074 EQP 48-3-SI2.1
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)



Cutting Capacity

Up to 10" (254 mm)

Welding

Up to 1/2" (13 mm)

Oxy-Acetylene

Heavy duty SILVER STAR® SMITH'S® hand cutting torch outfit.



2 Years Warranty

PN# 4521 EQP 49-2-C2.1
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)



Cutting Capacity

Up to 14" (356 mm)

Oxy-Butane

Heavy duty SILVER STAR® SMITH'S® hand cutting torch cutting outfit.



2 Years Warranty

PN# 4522 EQP 49-2B-C2.1
Oxygen Conn: (CGA-540)
Fuel Conn: (CGA-510)*
*Fuel regulator has stainless steel diaphragm



Cutting Capacity

Up to 14" (356 mm)

Oxy-Acetylene

Heavy duty SMITH'S® welding and cutting outfit with cutting torch and welding handle.



2 Years Warranty

PN# 44713 EQP 51-3-SM
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)



Cutting Capacity

Up to 8" (254 mm)

Welding

Up to 3/8" (9.5 mm)

Oxy-Acetylene

Heavy duty SMITH'S® hand cutting torch outfit.



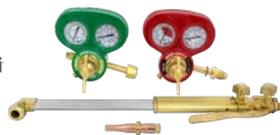
PN# 4023 EQP 51-3C-SM
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)

2 Years Warranty

Oxy-Acetylene

Heavy duty SMITH'S® hand cutting torch outfit

PN# 4023 EQP 51-3C-SM
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)



Cutting Capacity

Up to 8" (254 mm)

Welding

Up to 3/8" (9.5 mm)

Oxy-Acetylene

Heavy duty SMITH'S® hand cutting torch outfit.

1 Year Warranty

PN# 44714 EQP 85-SX-SC1
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)



Cutting Capacity

Up to 4" (102 mm)

Welding

Up to 3/8" (9.5 mm)

Oxy-Acetylene

Heavy duty DINAMIC® V-style welding and cutting outfit with cutting torch and welding handle.

Power Line™*

1 Year Warranty



PN# 4054 EQP PL-006-V
Oxygen Conn: (CGA-540)
Acetylene Conn: (GCA)

Cutting Capacity

Up to 6" (152 mm)

Welding

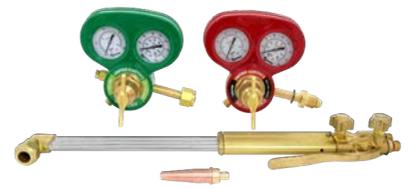
Up to 3/8" 9.5 mm

Oxy-Acetylene

Heavy duty DINAMIC® V-style hand cutting torch outfit.

Power Line™*

1 Year Warranty



PN# 4060 EQP PL-C04-V
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)

Cutting Capacity

Up to 8" (203 mm)

Oxy-Acetylene

Heavy Duty H-Style Welding and Cutting Outfit with Cutting Torch and Welding Handle.

Power Line™*

1 Year Warranty



PN# 4062 EQP PL-006-H
Oxygen Conn: (CGA-540)
Acetylene Conn: (GCA)

Cutting Capacity

Up to 6" (152 mm)

Welding

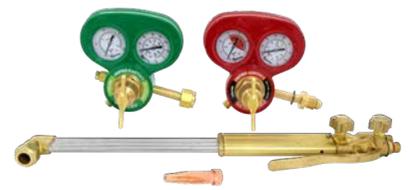
Up to 3/8" 9.5 mm

Oxy-Fuel

Heavy Duty H-Style Hand Cutting Torch Outfit.

Power Line™*

1 Year Warranty



PN# 4069 EQP PL-C04-H
Oxygen Conn: (CGA-540)
Acetylene Conn: (CGA-510)

Cutting Capacity

Up to 8" (203 mm)

Oxy-Acetylene

Medium duty H-style welding and cutting outfit with cutting torch and welding handle.

WELDER

1 Year Warranty



Código 44789 EQP 65-WM-SC2
Acetileno
Conexión oxígeno: americana (CGA-540)

Cutting Capacity

Up to 4" (152 mm)

Welding

Up to 3/8" 9.5 mm

Oxy-Butane

Heavy/Medium duty H-style hand cutting torch outfit.

WELDER

1 Year Warranty



PN# 44790 EQP 65-WM-C3
Oxygen Conn: (CGA-540)
Fuel Conn: (CGA-510)

Cutting Capacity

Up to 6" (152 mm)



WELDING & CUTTING EQUIPMENT

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Oxy-Acetylene

PORTAKIT®

Medium duty V-style portable welding and cutting outfit with cutting torch and welding handle.



PN# 4081 EQP 59LL-3-SL Acetylene

Conn: Oxygen: (CGA-540)

Conn: Acetylene: (CGA-510)

Cutting Capacity	Welding
Up to 4" (102 mm)	Up to 3/8" (9.5 mm)

REGULATORS

Oxygen

Heavy duty regulator. Forged brass body and bonnet with easy-to-read 2-1/2" gauges.



PN#4089 SH-1310-C

Inlet Connection	Inlet Connection
CGA-540	"B" (RH) 9/16" -18 (M)
Delivey Pressure	
5-125	

Oxygen

Heavy/Medium duty regulator. Forged brass body and bonnet with easy-to-read 2" gauges.



PN#4096 SH-1710-C

Inlet Connection	Inlet Connection
CGA-540	"B" (RH) 9/16" -18 (M)
Delivey Pressure	
5-125	

Acetylene

Heavy duty regulator.
Forged brass body and bonnet with
easy-to-read 2-1/2" gauges.



PN#4392 SH-1320

Inlet Connection	
CGA-510	"B" (LH) 9/16" -18 (M)
Delivey Pressure	
2-15	

Acetylene

Heavy/Medium duty regulator.
Forged brass body and bonnet with
easy-to-read 2" gauges.



PN#4096 SH-1720-P

Inlet Connection	
CGA-510	"B" (LH) 9/16" -18 (M)
Delivey Pressure	
2-15	

Butane (Fuel)

Heavy/Medium duty regulator.
Forged brass body and bonnet with
easy-to-read 2" gauges.



PN#44788 SH-1722

Inlet Connection	
CGA-510	"B" (LH) 9/16" -18 (M)
Delivey Pressure	
2-40	

Nitrogen

Heavy duty regulator.
Forged brass body and bonnet with
easy-to-read 2-1/2" gauges.



PN#4094 SH-1330-N

Inlet Connection	
CGA-580	5/8" -18" (RH) (F)
Delivey Pressure	
5-125	

Argon Flowmeter Regulator

Heavy duty regulator.
Forged brass body and bonnet
with easy-to-read 2" gauge.



PN#4281 SH-1759-C

Inlet Connection	
CGA-580	5/8" -18 RH (F)
Delivey Pressure	
10-70	

CO₂ Flowmeter Regulator

Heavy duty regulator.
Forged brass body and bonnet
with easy-to-read 2" gauge.



PN#4100 SH-1759-320

Inlet Connection	
CGA-320	5/8" -18 RH (F)
Delivey Pressure	
10-80	



WELDING & CUTTING EQUIPMENT

WELDING HANDLES CUTTING ATTACHMENTS AND HAND CUTTING TORCHES

PN	Product	Flash/ back Arrestor	Cutting Capacity		Use with	Compatible with	Equipment
			Inch.	mm			
INFRA SMITH'S							
4113	Welding Handle SW-3H	Installed	-	-	Oxy-Acetylene Oxy-Butane	Cutting Attachment SC-309 Welding Tips SW Heating Tips Series ASC & BCS Series	
4127	Cutting Attachment SC-309	-	10	254	-	Welding Handle SW-3H Cutting Tips SC-12 and SC-50-A Series	
4131	Hand Cutting Torch SCR-510S	Installed	14	356	Oxy-Acetylene Oxy-Butane	Cutting Tips SC-12 and SC-50-A Series	
H-Style							
4126	Welding Handle 43-2H	Installed	-	-	Oxy-Acetylene Oxy-Butane	Cutting Attachment 49F-14 Welding Tips Elbow/Mixers E-44 & F-44 Heating Tips AHC Series	
4128	Cutting Attachment 49F-14	-	6	152.4	-	Welding Handle 43-2H Cutting Tips 6290-NX and 6290 Series	
4132	Hand Cutting Torch SCR-520H	Installed	12	305	Oxy-Acetylene Oxy-Butane	Cutting Tips 6290-NX and 6290 Series	
44791	Hand Cutting Torch	-	11.8	300	Oxy-Acetylene Oxy-Butane	Cutting Tips 6290-NX y 6290 Series	
DINAMIC - V-Style							
4116	Hand Cutting Torch 830-21	Installed	12	305	Oxy-Acetylene Oxy-Butane	Cutting Tips VI-BA-14 and VI-BB-14 Series	
Hand Cutting Torches available in more lengths...						PN 44735* SCR-510S E120 with 90° Head 1.20 m Length PN 44733* SCR-510S E180 with 90° Head 1.80 m Length PN 44738* SCR-515S E120 with 180° Head 1.20 m Length PN 44739* SCR-515S E180 with 180° Head 1.80 m Length	

CUTTING TIPS

PN	CODE	Cutting Capacity		Compatible with	Tips
		Inches	mm		
Oxy-Acetylene INFRA SILVER STAR - SMITH'S					
4133	SC-12-0	3/8"	9.53	Cutting Attachment SC-309 Hand Cutting Torch SCR-510S	
4134	SC-12-1	5/8"	15.88		
4136	SC-12-2	1-1/4"	31.75		
4137	SC-12-3	2"	50.80		
4138	SC-12-4	4"	101.60		
4151	SC-12-5	8"	203.20		
Oxy-Butane - INFRA SILVER STAR - Smith's					
4154	SC-50-A-0	3/8"	9.53	Cutting Attachment SC-309 Hand Cutting Torch SCR-510S	
4157	SC-50-A-1	5/8"	15.88		
4158	SC-50-A-2	1-1/4"	31.75		
4161	SC-50-A-3	2"	50.80		
4162	SC-50-A-4	4"	101.60		
4163	SC-50-A-5	8"	203.20		
Oxy-Acetylene - DINAMIC - V-Style					
4190	VI-BA-14-1	5/8"	15.88	Cutting Attachment 780A Hand Cutting Torch SCR-530V & 830-21	
4191	VI-BA-14-2	1-1/4"	31.75		
4192	VI-BA-14-3	2"	50.80		
Oxy-Butane - DINAMIC - V-Style					
4193	VI-BB-14-1	5/8"	15.88	Cutting Attachment 780A Hand Cutting Torch SCR-530V & 830-21	
4194	VI-BB-14-2	1-1/4"	31.75		
4195	VI-BB-14-3	2"	50.80		
Oxy-Acetylene - H-Style					
4208	6290-1	1"	25.40	Cutting Attachment 49F-14 Hand Cutting Torch SCR-520H	
4210	6290-2	2"	50.80		
4027	6290-3	3"	76.20		
Oxy-Butane - H-Style					
4184	6290-NX-0	5/8"	15.88	Cutting Attachment 49F-3 Hand Cutting Torch SCR-520H	
4186	6290-NX-1	1"	25.40		
4187	6290-NX-2	2"	50.80		
4188	6290-NX-3	3"	76.20		
4185	6290-NX-4	6"	152.40		



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WELDING TIPS

PN	Product	Cutting Capacity		Compatible with	Equipment
		Inches	mm		
Oxy-Acetylene Elbow Tip					
4252*	23-A-90-2	3/64"	1.19	Mixers E-44 & D-85-A	
4026	23-A-90-3	1/16"	1.59		
4029	23-A-90-5	1/8"	3.18		
Oxy-Acetylene SILVER STAR®					
4160	SW-203	3/32"	2.38	Welding Handle SW-3H	
4165	SW-205	1/8"	3.18		
4170	SW-207	3/16"	4.7		

HEATING TIPS

PN	Product	Heat Output (BTU's)	Compatible with	Equipment
Oxy-Butane (DO NOT USE ACETYLENE)				
4108	2290-5H	114,760 to 255,024		
Oxy-Acetylene SILVER STAR®				
4166	ASC-2	15,750		
4167	ASC-4	41,548		
Oxy-Butane SILVER STAR®				
4178	BCS-3	54,065 to 146,638		

PROTECTION AGAINST FLASHBACK AND REVERSE FLOW OF GASES

Check Valves

PN#4531 K-VCT-T
 [1] Oxygen - VCT-R-1
 [1] Fuel - VCT-L-1
 9/16"-18 "B"
 Torches and cutting attachment

PN#4532 K-VCR-T
 [1] Oxygen - VCR-R-1
 [1] Fuel - VCR-L-1
 9/16"-18 "B"
 Regulator



Flasback Arrestors

A device designed to prevent propagation of a flame going upstream and extinguishes flashbacks.

PN#5208 K-FAT-T
 [1] Oxygen - [1] Fuel Set
 9/16"-18 "B"
 Torch and cutting attachment

PN#5209 K-FAR-T
 [1] Oxygen - [1] Fuel Set
 9/16"-18 "B" Regulator



2" Gauges

PN	Product	Range	Service	Connection
4807	51331PL/2-4	2 kg/cm ²	Acetylene	1/4"-18 NPT Bottom Mount
4809	51331PL/14-4	14 kg/cm ²	Oxygen	
4812	51331PL/28-4	28 kg/cm ²	Acetylene/Fuel (Butane)	
4813	51331PL/280-4	280 kg/cm ²	Oxygen	



2-1/2" Gauges for Regulators

PN	Product	Pressure	Diameter		Range	Service	Connection
			Inches	mm			
4179	63331G/2-4	Low Pressure	63"	212	2 kg ²	Acetylene	1/4"-18 NPT
4180*	63331G/14-4				14 kg/cm ²	Oxígeno	
4181	63331G/28-4	High Pressure			28 kg/cm ²	Acetylene/Fuel (Butane)	Bottom Mount
4218	63333G/280-4				280 kg/cm ²	Oxygen	



FLOWMETER

PN	Product	Range	Service	Connection
4322	D-1221	70 ft ³ / h	Argon and CO ₂	5/8" -18 (R)



Regulator Connection [Valve - Nipple - Nut]

K-N2-STD-T



K-N2-AME-T



K-O2-STD-T



K-O2-AME-T



K-ACE-AME-T



PN	4493	4483	4484	4488	4489	4490	4491
Product	K-BUT-AME-T	K-ACE-STD-T	K-ACE-AME-T	K-N2-STD-T	K-N2-AME-T	K-O2-STD-T	K-O2-AME-T
Description	CGA-510 Long Stem/Nipple	ACE-STD Stem/Nipple	CGA-510-2 Stem/Nipple	CGA-580-2 Stem/Nipple	CGA-580-2 Stem/Nipple	OXI-STD Stem/Nipple	CGA-540-2 Stem/Nipple
	CGA-510 Nut	ACE-STD Nut	CGA-510-1 Nut	STD 58 Nut	CGA-580-1 Nut	OXI-STD Nut	CGA-540-1 Nut



WELDING & CUTTING EQUIPMENT

O'Rings

PN#4523 K-F-430-8T

O'Ring Kit for Infra Smith's equipment. [12 piece pack] Compatible with Cutting attachment SC-309, SW series Welding tips and ASC/BCS series Heating tips.



PN#4524 K-F-250-4T

O'Ring Kit for Infra Smith's equipment. [12 piece pack] Compatible with Cutting attachment MW-413 and MW-203 series Welding tips

Seals

PN#4512* K-G-930-T

Carbon Seals [5 Pack]. G-931 (High Pressure) Seals [5 Pack]. G-932 (Low Pressure) Seals [5 Pack]. Compatible with SC-12 and SC-50-A Series Cutting tips.



PN#4513 K-1008-SMTT

1008-SM Red Fiber Seals [10 Pack]. Compatible with Acetylene regulator and acetylene standard connexion.

Hand Cutting Torch Replacement Valves

PN	4533	4231
Model	K-SOP-T	K-VOLAN-T
Description	A-65 Stem and handle 6359-A Nut	D-42-9 Stem and handle
Compatible	SMITH'S Hand cutting torches and cutting attachments	Welding handles, Cutting Attachment & Hand Cutting Torches SMITH'S, WELDER and DINAMIC

K-SOP-T



Double Side Valve

PN	4530**	4535
Model	NE-135A Oxygen	NE-136A Acetylene
Use	with Oxygen Regulator	with Acetylene Regulator
Description	Right hand double sided outlet connection for hose and nut	Left hand double sided outlet connection for hose and nut



Adjustment "T" Handle

PN#44718

Compatible with 1300 and 1700 Series Infra Regulators (Oxygen, Fuel Gases and Nitrogen)



** NOTE: Code 4530 can be used with Nitrógen, Argón and CO2 gases.

Regulator Valve Connection Guide



HOW TO CHOOSE THE RIGHT CONNECTION
 1- SELECT THE GAS BY NAME & COLOR CODE
 2- SELECT BY REGULATOR MODEL NUMBER AND CODE
 3- SELECT CONNECTION BY GAS



OXYGEN



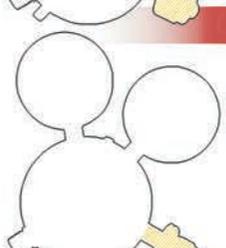
Code: Part number:
 4089 SH-1310-C
 4096 SH-1710-C

Assembly:

- CODE: 4491
CGA-540
Part number: K-02-AME-T
- CODE: 4490
INFRA STD
Part number: K-02-STD-T

 Oxygen

FUEL GAS



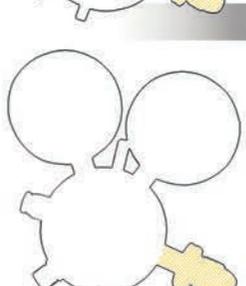
Code: Part number:
 4090 SH-1320
 4097 SH-1720

Assembly:

- CODE: 4483
INFRA STD
Part number: K-ACE-STD-T
- CODE: 4484
CGA-510
Part number: K-ACE-AME-T
- CODE: 4493
CGA-510
Part number: K-BUT-AME-T

 Acetylene
 BUTANE

INERT GAS



Code: Part number:
 4094 SH-1330-N

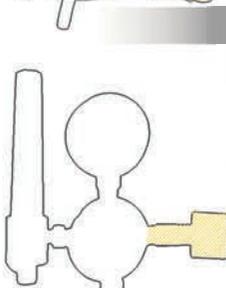
This code also applies for Air and Nitrous Oxide

Assembly:

- CODE: 4489
CGA-580
Part number: K-N2-AME-T
- CODE: 4488
INFRA STD 58
Part number: K-N2-STD-T
- CODE: 35660*
CGA-590
Part number: K-AIR-590-T
- CODE: 4494*
CGA-326
Part number: K-N20-326-T

 Helium
 Argon
 Nitrogen
 Industrial Argon
 Industrial Nitrogen
 Air
 Nitrous oxide

INERT GAS/CO₂



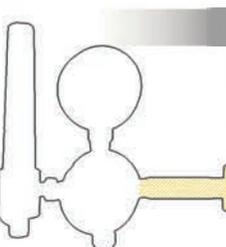
Code: Part number:
 4100 SH-1759-C

Assembly:

- CODE: 35600
CGA-320
Part number: K-CO2-AME-T
- CODE: 4489
CGA-580
Part number: K-N2-AME-T
- CODE: 4488
INFRA STD 58
Part number: K-N2-STD-T
- CODE: 35635
CGA-350
Part number: K-H2-AME-T

 CO₂
 Argon Mix
 Industrial Argon
 Madugas
 Maradol Plus
 Hydrogen Mix

INERT GAS/CO₂



Code: Part number:
 4109 SH-2059-C

Assembly:

- CODE: 35600
CGA-320
- CODE: 4489
CGA-580
- CODE: 4488
INFRA STD 58

 CO₂
 Argon Mix
 Industrial Argon



WELDING & CUTTING EQUIPMENT



How to Properly Attach the CGA Valve to the Regulator

Instructions

- 1** Select the CGA Valve for the proper gas service that will be used for the regulator. Use official Infra's guide.



- 2** ONLY use the correct CGA Valve to match regulator inlet/outlet connection.



- 3** Remove the plastic cap from the inlet connection.



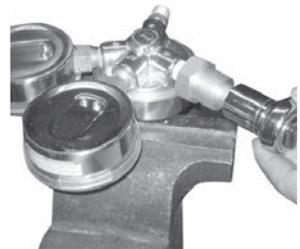
- 4** The CGA valve connection must be clean, oil, grease and debris free.



- 5** Use teflon tape on the valve stem. Make sure the tape covers all the way up to the top thread. The tape has to create a lock-tight seal, before attaching it to the regulator.



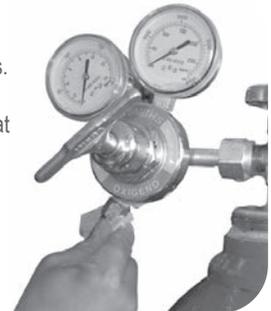
- 6** Use an 11"/16" Hex wrench to tighten the valve connection to the regulator.



- 7** Make sure the regulator and all the connections areas are clean, grease, oil and debris Free!



- 8** Check for leaks, use soapy solution all all the connections. (Nipple and Cylinder). Make sure there are no leaks, repeat procedure until all the connections are leak free before using the regulator.



Cutting Tip Pressure Chart for Oxy-Butane SC-50-A Series

Metal Thickness (mm)	Tip Size	Regulator Pressure		Consumption			Cutting Speed IPM (cm/min)	Cutting Diameter (mm)	Tip Cleaner Drill Size
		Oxygen (kg/cm ²)	Butane (kg/cm ²)	Oxygen (m ³ /h)		Butane (m ³ /h)			
				Cortando	Precalementamiento				
6.35	0	2.1	0.35	2.46	1.33	0.36	55.9	1.39	62
9.5	0	2.46	0.35	2.74	1.33	0.36	50.8	1.39	62
12.7	1	2.46	0.42	4.10	1.98	0.42	48.2	2.03	56
15.9	1	2.81	0.42	4.38	1.98	0.42	43.1	2.03	56
19.0	2	2.53	0.42	4.95	1.98	0.42	40.6	2.41	54
25.4	2	2.88	0.42	5.23	1.98	0.42	35.5	2.41	54
31.8	2	3.58	0.42	5.94	2.12	0.45	33.0	2.41	54
38.1	3	2.95	0.42	6.93	2.12	0.45	30.4	2.54	51
50.8	3	3.30	0.42	7.21	2.12	0.45	25.4	2.54	51
63.5	4	2.67	0.42	8.91	2.12	0.45	22.8	3.71	45
76.2	4	3.09	0.42	9.62	2.12	0.45	20.3	3.17	45
101.6	4	3.79	0.42	11.18	2.26	0.48	17.7	3.17	45
127.0	5	3.93	0.42	14.15	2.26	0.48	17.7	3.81	41
152.5	5	4.71	0.42	15.99	2.26	0.48	15.2	3.81	41
203.5	5	5.48	0.49	18.11	2.55	0.56	13.9	3.81	41
254.0	6	5.83	0.56	27.44	6.51	1.41	12.7	5.15	32
305.0	6	8.78	0.84	35.52	7.93	1.69	11.4	5.84	32

Pressure Chart using 15m length - 9.52 mm interior diameter hoses; Pressure will have to be higher for longer length hoses.

Welding Tip Pressure Chart for Oxy-Acetylene SW-200 Y MW-200 Series

Metal Thickness (mm)	Tip Size	Regulator Pressure		Tip Cleaner Drill Size
		Pressure (kg/cm ²)	Consumption (m ³ /h)	
Very thin metal. Up to 0.8 mm	0	0.21	0.048	74
	1	0.21	0.065	71
From 1.59. Up to 2.38 mm	2	0.21	0.085	69
	3	0.35	0.091	67
	4	0.35	0.122	63
3.18	5	0.35	0.170	57
3.96	6	0.35	0.255	56
4.76	7	0.56	0.34	54
6.35	8	0.56	0.48	52
9.5	9	0.56	0.65	49

Pressure Chart using 7.5m length - 6.35 mm interior diameter hoses; Pressure will have to be higher for longer length hoses.



WELDING & CUTTING EQUIPMENT

Cutting Tip Pressure Chart for Oxy-Acetylene SC-12 Series

Metal Thickness (mm)	Tip Size	Regulator Pressure		Consumption			Cutting Speed IPM (cm/min)	Cutting Diameter (mm)	Tip Cleanres	
		Oxygen (kg/cm ²)	Acetylene (kg/cm ²)	Oxygen (m ³ /h)		Acetylene (m ³ /h)			Cutting Orifice	Pre-Heat Orifice
				Cortando	Pre calentamiento					
6.35	0	2.10	0.28	1.34	0.21	0.019	55.9	1.39	62	74
9.5	0	2.46	0.28	1.62	0.21	0.019	50.8	1.39	62	74
12.7	1	2.46	0.28	2.43	0.31	0.026	48.2	2.03	56	71
15.9	1	2.81	0.28	2.71	0.31	0.026	43.1	2.03	56	71
19.0	2	2.53	0.28	3.31	0.34	0.029	40.6	2.41	54	70
25.4	2	2.88	0.28	3.59	0.34	0.029	35.5	2.41	54	70
31.8	2	3.58	0.28	4.16	0.34	0.029	33.0	2.41	54	70
38.1	3	2.95	0.35	5.20	0.39	0.033	30.4	2.54	51	68
50.8	3	3.30	0.35	5.49	0.39	0.033	25.4	2.54	51	68
63.5	4	2.67	0.35	7.21	0.42	0.036	22.8	3.17	45	62
76.2	4	3.09	0.35	7.92	0.42	0.036	20.3	3.17	45	62
101.6	4	3.79	0.35	9.37	0.45	0.039	17.7	3.17	45	62
127.0	5	3.93	0.42	12.71	0.85	0.071	17.7	3.81	41	60
152.5	5	4.71	0.42	14.55	0.85	0.071	15.2	3.81	41	60
203.5	5	5.48	0.42	16.41	0.85	0.073	13.9	3.81	41	60
254	6	5.83	0.42	22.13	0.9	0.079	12.7	5.15	32	60
305	6	7.03	0.42	28.50	0.9	0.079	11.4	5.84	32	60
356	7	8.78	0.49	36.35	0.9	0.084	10.1	6.35	28	56

Heating Tip Pressure Chart for Oxy-Acetylene and Oxy-Butane ASC & BSC Series

Tip Size	Pressure (kg/cm ²)		Consumption (m ³ /h)		Calories/hour
	Oxygen	Acetylene	Oxygen	Acetylene	
ASC-2	0.350	0.350	0.8	0.8	15,750
ASC-3	0.400	0.400	1.4	1.4	21,829
ASC-4	0.800	0.800	1.6	1.6	41,548
ASC-5	1.12	0.800	4.5	1.6	85,491
BSC-2	1.1-3.1	0.49-1.5	6.2	14.1	35,065-82,882
BSC-3	1.7-4.9	0.56-1.7	9.6	26.0	54,065-146,638
BSC-4	3.5-7.8	0.70-2.1	18.1	36.8	102,009-207,207
BSC-5	4.2-9.5	0.98-2.8	20.3	45.3	114,760-255,024