

MANUFACTURER OF GAS APPARATUS



MANUFACTURER OF GAS WELDING & CUTTING EQUIPMENT

- GAS CUTTING TORCH
- GAS WELDING, HEATING TORCH
- GAS REGULATOR

- FLASHBACK ARRESTOR
- GAS NOZZLE
- SHIPBUILDING EQUIPMENT

WE GOT EVERYTHING YOU WANT!

CEO GREETINGS

Shinhung was established in 1957 and for the past 60 years, we have progressed into a specialized company for gas related products like gas-cutting torch, pressure regulator, and flashback arrestor.

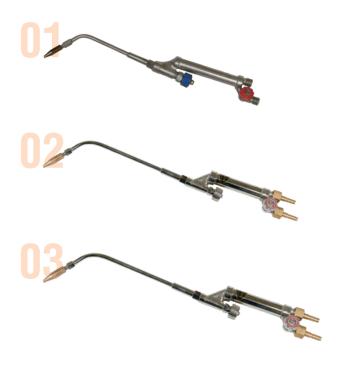
We do not settle for the present as we work towards transformation and reformation and we are striving to research and develop special products like shipbuilding materials and expand our range to all fields like shipbuilding, steel, and construction industries and building a cornerstone in order for reformation in the 100-year period.

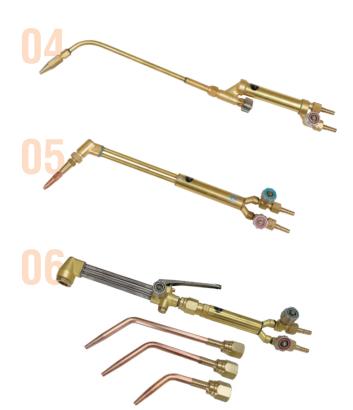
Through technical and quality innovation, we will do our best so that we can offer our customers products that are fully equipped with competence such as KS Q ISO 9001:2015/ISO 9001:2015 certification and also provide the best customer satisfaction.

Also, based on our long experiences and excellent technical skills, we assure our customers that we will stand as a leading company.

Thank you.







01 SH100 Mini Welding Torch

Tip No.	Welding Capacity	Gas Pressure(Mpa)		
TIP NO.	vveicing Gapacity	02	LPG	
10	Thickness Plate		0.01 up	
16	Thickness Plate	0.05~	0.01 up	
25	Thickness Plate	0.08	0.015 up	
40	0.4~1.0		0.02 up	

Length: 270mm / Weight: 260g

02 SH101 Small Type Welding Torch

Tip No	Wolding Consoity	Gas Press	sure(Mpa)
Tip No.	Welding Capacity	02	LPG
50	0.5~0.7		
70	0.7~1.0		
100	1.0~1.4	0.2	0.02 ~ 0.03
140	1.4~2.0		
200	2.0~2.5		

Length: 350mm / Weight: 410g

03 SH102 Middle Type Welding Torch

Tip No.	Wolding Consoits	Gas Pressure(Mpa)	
TIP NO.	Welding Capacity	02	LPG
200	2.0~2.3	0.2	
235	2.3~2.5		
250	2.5~3.2		
315	3.2~4.0	0.3	0.02~0.03
400	4.0~4.5	0.3	
450	4.5~5.0		
500	5.0~6.0		

Length: 450mm / Weight: 420g

04 SH103 Large Type Welding Torch

Tip No	Wolding Consoits	Gas Press	sure(Mpa)
Tip No.	Welding Capacity	02	LPG
250	2.5~3.2		
315	3.2~4.0	0.3	
400	4.0~5.0	0.3	
500	5.0~6.3		0.03
630	6.3~8.0		
800	8.0~10	0.4	
1000	10~12		

Length: 550mm / Weight: 680g

05 SH308 Medium Pressure Welding Torch (A1)

Welding Tip	Welding Capacity	Gas Press	sure(Mpa)
welaling rip	vveicing capacity	02	LPG
3 Pieces	0.5~8	1~4.5	0.1~0.3

Length: 360mm / Weight: 480g

06 SH307 Medium Pressure Welding & Cutting Torch

Tip No.		Сара	acity
Welding	Cutting	Welding(mm)	Cutting(mm)
4	1		
5	2	0.5~2.5	5~50
6	3		

Length: 435mm / Weight: 2,050g

SH→ CUTTING & STRAIGHT LINE TORCH





O1 SH201, 203 Middle Type Cutting Torch for Acetylene / LPG

Type Medal	Model	Tip Cutting No. Capacity	Gas Pressure(Mpa)		
Type	Type Model		02	LPG	
	1	3~10	0.2		
LPG	SH203	2	10~20	0.25	0.03
		3	20~30	0.3	

Length: 430mm / Weight: 600g

Acetylene cutting torch needs to be customized! Do not mix LPG and AC gas!

02 SH208 Middle Type Straight Line Torch

7.5pt	Cutting Capacity	Gas Pressure(Mpa)	
7.5pt	Outling Capacity	02	LPG
1	1~5	0.2	
2	5~15	0.25	0.03
3	15~30	0.3	

Length: 500mm / Weight: 580g

03 SH206 Middle Type Welding / Cutting Torch

Welding Tip	Cutting Tip	Capacity
7 Pieces	3 Pieces	Same Capacity of Middle type Welding & Cutting Torch

Length: 430mm / Weight: 670g

04 SH202, 205 Large Type LPG Cutting Torch for Acetylene / LPG

Type	Model	Tip	Cutting	Gas Press	sure(Mpa)
туре	IVIOUEI	No.	Capacity	02	LPG
		1	3~15		
LPG	SH205	2	15~40	0.3	0.04
		3	40~80		

Length: 520mm / Weight: 840g

Acetylene cutting torch needs to be customized!

Do not mix LPG and AC gas!

05 SH209 Large Type Straight Line Torch

Tip	Cutting	Gas Press	sure(Mpa)
No.	Capacity	02	LPG
1	1~10		
2	10~25	0.3	0.04
3	50~100		

Length: 600mm / Weight: 840g

06 SH207

Large Type Welding / Cutting Torch

Welding Tip	Cutting Capacity	Capacity
7 Pieces	3 Pieces	Same Capacity of Large type Welding & Cutting Torch

Length: 520mm / Weight: 1,050g

SH

MEDIUM PRESSURE CUTTING & HEATING TORCH





01 SH313 Medium Pressure Cutting Torch

Tip No.	Cutting Capacity	Oxygen Pressure (Mpa)	LPG Pressure (Mpa)
1	5~15	0.2~0.3	0.02
2	10~30	0.3~0.4	0.025
3	20~60	0.3~0.5	0.03

Length: 500mm / Weight: 1,350g

04 SH309 Line Heating Torch

Tip No.	Length (mm)	Weight (g)	O ₂ (Mpa)	LPG (Mpa)
1,000~3,000	740~1,000	640~960	0.4~0.8	0.02~0.08

'SH309-L' is light weight type. This relieves fatigue in field work!

02 SH315 Medium Pressure Cutting Torch

Tip No.	Cutting Capacity	Oxygen Pressure (Mpa)	LPG Pressure (Mpa)
1	5~15	0.2~0.3	0.02
2	10~30	0.3~0.4	0.025
3	20~60	0.3~0.5	0.03

Length: 480mm / Weight: 1,100g

05 SH305 Two-Flame Heating Torch

Tip No.	Length	Weight (g)	Gas Pres	sure(Mpa)
пр но.	(mm)		O ₂ (Mpa)	LPG(Mpa)
250~3000	775	865	0.3~0.8	0.02~0.08

03 SH316 Medium Pressure Cutting Torch

Tip No.	Cutting Capacity	Oxygen Pressure (Mpa)	LPG Pressure (Mpa)
1	5~15	0.2~0.3	0.02
2	10~30	0.3~0.4	0.025
3	20~60	0.3~0.5	0.03

Length: 630mm / Weight: 1,100g

06 SH301 LPG Heating Torch

Туре	Tip No.	Length	Weight (g)	Gas Pressure (Mpa)		Flow Quantity	
		(mm)		02	LPG	(LPG) L/H	(O ₂) L/H
Α	3,500~5,000	740	620	0.3~0.4	0.03	1,000~3,000	5,000~10,000
В	3,500~5,000	1,000	890	0.4~0.5	0.04	3,500~5,000	14,000~20,000

SH> SPECIAL TORCH



01 SH302 LPG Burner (One-Flame / Two-Flame)

Length	Weight	LPG	Flow Quantity	Type	
(mm)	(g)	(Mpa)	LPG (Mpa)	туре	
630	830	0.03	600	SH303 (One-Flame)	
630	1,145	0.03	600	SH302 (Two-Flame)	

02 SH317 TCM Burner

Length	Weight	Oxygen	LPG
(mm)	(g)	Pressure(Mpa)	Pressure(Mpa)
800~1,400	6,200	1.2	0.3

03 SH301 C Type Heating Torch

Length	Length Weight	Gas Pressure (Mpa)		Flow Quantity	
(mm) (g)	02	LPG	(LPG) L/H	(O ₂) L/H	
1,430	2,500	0.6~0.8	0.08	10,000~12,000	30,000~40,000

04 SH306 Scarfing Torch

Length	Weight	Scarfing	Kind	O ₂	LPG
(mm)	(g)	Width (mm)	of Tip	(Mpa)	(Mpa)
1,300	3,200	70~100	1	0.8~1.2	

05 SH310S Hand Cutter

Tip No.	Cutting Capacity	Oxygen Pressure(Mpa)	Gas Pressure(Mpa)
2~10	100~400	0.6~1.2	0.04~0.07

Length: 1,100~1,800mm

06 SH310 Hand Cutter

Tip No.	Cutting Capacity	Oxygen Pressure(Mpa)	Gas Pressure(Mpa)
7,8,9	200~600m/m	0.8~1.2	0.05~0.08

Length: 1,100~1,800mm

07 SH312 Hand Cutter

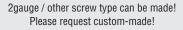
Tip No.	Cutting Capacity	Oxygen Pressure(Mpa)	Gas Pressure(Mpa)
7,8,9	200~600m/m	0.8~1.2	0.05~0.08

Length: 1,800~3,500mm

≪H> REGULATORS















01 SH501 Regulator for Oxygen

High Pressure Gauge (Mpa)	Low Pressure Gauge (Mpa)	Limits of Control (Mpa)	Flow Quantity (L/H)	Weight (g)
25	2.5	0.3~1.0	62,000	1,260

04 SH505 Regulator for Acetylene (Clamp Type)

High Pressure Gauge (Mpa)	Low Pressure Gauge (Mpa)	Limits of Control (Mpa)	Flow Quantity (L/H)	Weight (g)
2.5	0.3	0.01~0.13	11,000	1,800

02 SH503 Regulator for Acetylene

High Pressure Gauge (Mpa)	Low Pressure Gauge (Mpa)	Limits of Control (Mpa)	Flow Quantity (L/H)	Weight (g)
2.5	0.3	0.01~0.13	11,000	1,240

05 SH801 Regulator for CO₂

High Pressure Gauge (Mpa)	Flow Quantity	Heater Control Type	Weight (g)	
0.6	Max 25L/min	110V, 220V	1,750	

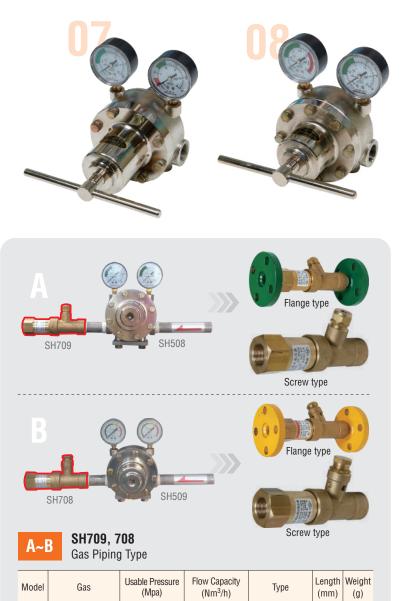
03 SH506 Regulator for LPG

Pressure Gauge Limits (Mpa)	Limits of Control (Mpa)	Flow Quantity (L/H)	Weight (g)
0.3	0.01~0.1	15,000	1,165

06 SH802 Regulator for Argon

High Pressure	Flow	Weight
Gauge (Mpa)	Quantity	(g)
25	Max 25L/min	1,270

REGULATORS & FLASHBACK ARRESTOR



Туре

15A, 20A, 25A

15A, 20A, 25A

(mm)

160

(g)

1,330

1,300



SH508, 509 07~08

Model

SH709

SH708

Gas

Oxygen

Acetylene /

LPG/LNG

Large Type Regulator for Oxygen / LPG

(Mpa)

1.0

0.15

320

20

GAS	High Pressure Gauge (Mpa)	Low Pressure Gauge (Mpa)	Limits of Control (Mpa)	Flow Quantity (L/H)	Weight (g)
Oxygen	25	2.5	0.2~1.2	350,000	6,500
LPG	2.5	0.3	0.01~0.15	70,000	6,000

SH513-30, 513-70 Regulator for Nitrogen

Model	High Pressure Gauge (Mpa)	Low Pressure Gauge (Mpa)	Limits of Control (Mpa)	Weight (g)
SH513-30	25	5	Below 2.5	1,450
SH513-70	25	25	Below 6	1,750

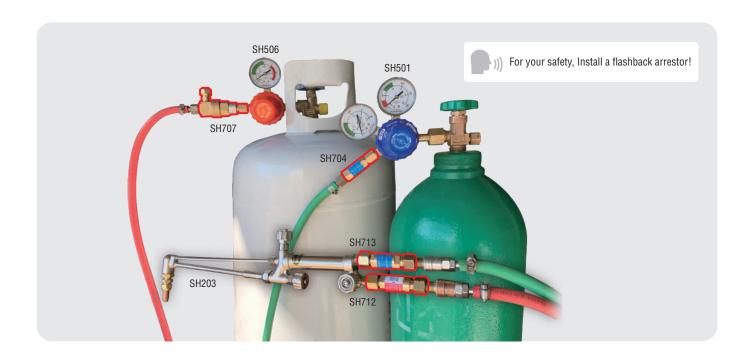
SH510, 511 09~10 Regulator for Oxygen / LPG

GAS	High Pressure Gauge (Mpa)	Low Pressure Gauge (Mpa)	Limits of Control (Mpa)	Flow Quantity (L/H)	Weight (g)
Oxygen	25	2.5	0.3~1.0	40,000	1,605
Acetylene/LPG	2.5	0.3	0.01~0.13	11,000	1,605

SH512, 513 Regulator for Oxygen / LPG

	Pressure (Mpa)		Flow	Weight	
GAS	Outlet Pressure Gauge	Limits of Control	Quantity (L/H)	(g)	
Oxygen	1.0	0.2~0.6	26,000	685	
Acetylene/LPG	0.3	0.01~0.1	11,000	685	

SH> FLASHBACK ARRESTOR





01~02 SH704, 706 Regulator Type

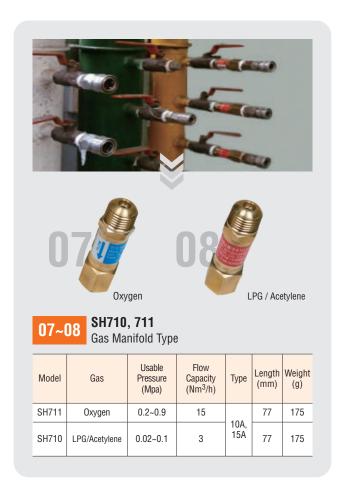
Model	GAS	Usable Pressure (Mpa)	Flow Capacity (Nm ³ /h)	Length (mm)	Weight (g)
SH704	Oxygen	0.1~0.9	15	75	130
SH706	Oxygen	0.1~0.9	25	105	400

03~04 SH705, 707 Regulator Type

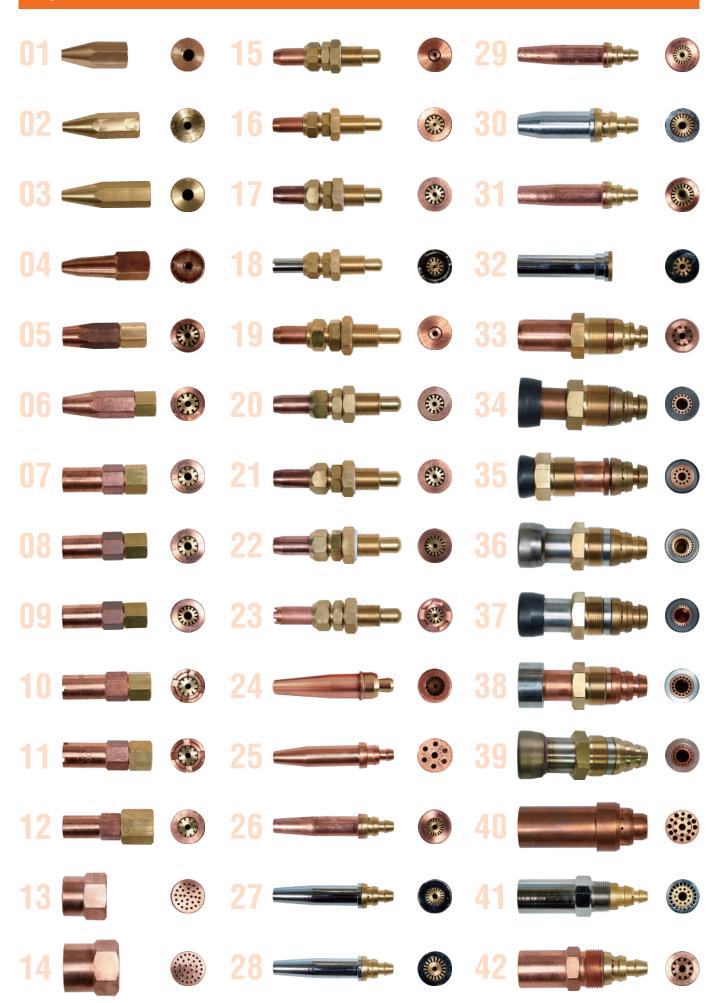
Model	GAS	Usable Pressure (Mpa)	Flow Capacity (Nm ³ /h)	Length (mm)	Weight (g)
SH705	LPG	0.01~0.13	3	75	130
SH707	LPG/Acetylene	0.01~0.13	5	105	440

05~06 SH712, 713 Torch Type

Model	GAS	Usable Pressure (Mpa)	Flow Capacity (Nm ³ /h)	Length (mm)	Weight (g)
SH713	Oxygen	0.2~0.9	10	65	100
SH712	LPG/LNG	0.02~0.1	2	65	100



≪H NOZZLE



♦ NOZZLE

	MODEL	NO	GAS	TORCH
01	SH101N	50~ 200	Acetylene/ LPG	Small Type Welding Torch
02	SH102N	200~ 500	Acetylene/ LPG	Middle Type Welding Torch
03	SH103N	250~ 1,000	Acetylene/ LPG	Large Type Welding Torch
04	SH308N	1~3	Acetylene/ LPG	Medium Pressure Welding Torch (A1)
05	SH102N -H	200~ 500	LPG	Middle Type Welding Torch
06	SH103N -H	250~ 1,000	LPG	Large Type Welding Torch, Heating Torch
07	SH309LN		LPG	
08	SH309LN -1T	1,000~ 3,000	Ethylene	Line Heating Torch (Lightweight Type)
09	SH309LN -2T		LNG	
10	SH309LN -F	1,000~	LPG	Line Heating Torch (Lightweight Type,
11	SH309LN -1TF	3,000	Ethylene	Stop Flashback Nozzle)
12	SH309LN -B	1,000~ 3,000	LPG	Line Heating Torch (Basic Type)
13	SH301N	3,500~ 5,000	LPG	Heating Torch - A/B (For Diffusion Heating)
14	SH301N -C	7,500~ 10,000	LPG	Heating Torch - C (For Diffusion Heating)
15	SH201N -3T	1~3	Acetylene	Middle Type Acetylene Cutting Torch
16	SH203N	1~3	LPG	Middle Type
17	SH203N -1T	1~3	Ethylene	LPG Cutting Torch
18	SH203N -F	1~3	LPG	Middle Type LPG Cutting Torch (Stop Flashback Nozzle)
19	SH205N -3T	1~3	Acetylene	Large Type Acetylene Cutting Torch
20	SH205N	1.0	LPG	Large Type
21	SH205N -1T	1~3	Ethylene	LPG Cutting Torch

	MODEL	NO	GAS	TORCH
22	SH205N -2T	1~3	LNG	Large Type LPG Cutting Torch
23	SH205N -F	1~3	LPG	Large Type LPG Cutting Torch (Stop Flashback Nozzle)
24	SH210N	1~3	LPG	Hand Cutting Torch
25	SH300N -3T	0~5	Acetylene	Medium Pressure Hand Cutting Torch, Automatic Cutting Machine
26	SH300N	00~8	LPG	Medium Pressure Hand Cutting Torch, Automatic Cutting Machine (Metal Finishing)
27	SH300N	00~8	LPG	Medium Pressure Hand Cutting Torch, Automatic Cutting Machine (Plating Type)
28	SH300N -2T	0~8	LNG	Medium Pressure Hand Cutting Torch,
29	SH300N -1T	00~8	Ethylene	Automatic Cutting Machine
30	SH300N -A	00~8	LPG	Medium Pressure Hand Cutting Torch, Automatic Cutting Machine
31	SH300N -G	10	LPG	Medium Pressure Cutting Torch (Gouging, Scarfing)
32	SH300NT	00~5	LPG	Medium Pressure Hand Cutting Torch, Automatic Cutting Machine
33	SH310N	7~9	LPG	Hand Cutter Torch
34				
35				
36	QUIGOON		1.00	Scarfing Torch
37	SH306N	-	LPG	(For Scarfing, Gouging)
38				
39				
40	SH317N	-	LPG	TCM Burner
41	SH910N	7-9	LPG	Medium Pressure Cutting Torch (Outmixing)
42	SH911N	7-9	LPG	Medium Pressure Cutting Torch

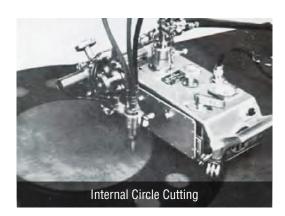
CUTTING MACHINE

Type of SH-20M





Functions of SH-20M





About SH-20M

The SH-20M is an automatic portable precision flame cutting machine, featuring easy automatic operation of high accuracy.

The compact, light-weight unit contains a built-in variable-speed driving mechanism and its heat resistant, rigid construction assures superb durability.

The advanced design provides ease of operation and highly accurate performance.

And it does not necessarily need skilled laborer to operate the machine.

A variety of optional accessories will expand the flexibility of this machine; in addition to straight cutting, it can perform parallel straight cutting, V.Y bevel cutting, X bevel cutting and circular cutting.

Features of the SH-20M

01	Compact, light-weight unit drives stably and assures high accuracy.
02	Advanced design provides ease of operation and minimizes malfunction.
03	Heat resistant, rigid construction withstands severe working conditions.
04	Its wide range adjusts accurate cutting speed.
05	Light weight and simple structure assure perfect portability and easy handling.

SHAPE CUTTING MACHINE

Type of SH-50





About SH-50

This machine is an automatic portable flame shape cutting machine equipped with an automatic magnetic tracer and a powerful magnetic roller.

This model is ideally designed for the same repeat shape cutting and any different shape cutting, considering the maximum economy and efficiency.

It can be carried anywhere and its versatile performance meets your cutting requirement. An optional circle cutting attachment is available for easy circle cutting of any diameter range from 80mm to 600mm.

Dimension and Weight

- Dimension: 800mm*450mm*1,500mm

- Weight: 33.0kg(72 lbs)

Balance

- Weight: 4.8kg(10,6 lbs)

Capability

Plate Thickness (mm)	Speed Range (mm/min)	Cutting Precision (mm)	Diameter of Maximum Cutting Area (mm)	Width and Length of Cutting Rectangle (mm)	Motor
3~60	100 1 000	.0.4	1 500	300X900	100V.1.5W
3~00	100~1,000 ±0.4	1,500	500X750	DC	

Cutting **Specification** for Nozzle

Tip No.	Plate Thickness	Cutting Speed	Gas Pressure		
пр ио.	(mm)	(mm/min)	(O ₂) kg/cm ²	(C ₂ H ₂) kg/cm ²	
1	5~15	350~600	2.5	0.2	
2	15~25	400~550	2.5	0.2	
3	25~50	200~350	3.0	0.2	

For Acetylene

TIP	Plate Thickness			Cutting	Consumption(ℓ/H)			
NO.	(mm)	Oxygen	Acetylene	speed (mm/min)	Cutting Oxygen	Preheat Oxygen	Acetylene	
0	5~10	0.2	0.02	550~660	1,200	380	345	
1	10~15	0.25	0.02	495~550	2,100	485	440	
2	15~30	0.3	0.02	400~490	3,400	485	440	
3	30~40	0.3	0.02	350~400	4,100	550	500	
4	40~50	0.3	0.025	320~350	5,400	640	580	
5	50~100	0.4	0.3	200~320	10,000	730	660	
6	100~150	0.4	0.35	150~200	12,800	970	880	
7	150~250	0.45	0.4	90~150	18,600	1,060	960	
8	250~300	0.45	0.4	80~90	21,200	1,100	1,000	

For LPG

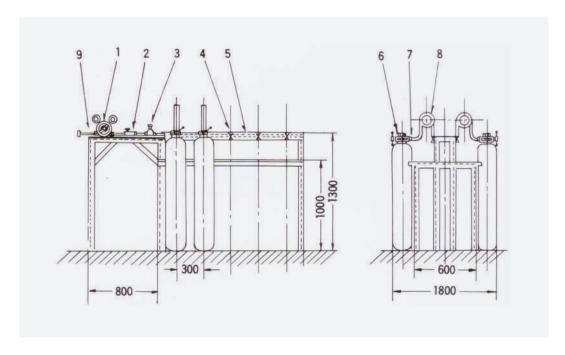
TIP Plate Thickness		Pressure(N	lpa)	Cutting	Consumption(ℓ/H)		
NO.	(mm)	Oxygen	Fuel Gas	speed (mm/min)	Cutting Oxygen	Preheat Oxygen	Acetylene
0	5~10	0.2 (0.15~0.3)	0.02	660~550	1,200	1,180	310
1	10~15	0.25 (0.2~0.35)	0.02	550~490	2,100	1,180	310
2	15~30	0.3 (0.25~0.35)	0.025	490~400	3,400	1,370	360
3	30~40	0.3 (0.25~0.4)	0.025	400~350	4,100	1,370	360
4	40~50	0.35 (0.3~0.4)	0.3	350~320	5,400	1,860	490
5	50~100	0.4 (0.3~0.45)	0.3	320~220	10,000	1,860	490
6	100~150	0.4 (0.3~0.45)	0.35	220~170	12,800	3,040	800
7	150~250	0.45 (0.4~0.55)	0.35	170~100	18,600	3,040	800
8	250~300	0.45 (0.4~0.55)	0.35	100~90	21,200	3,040	800

For Ethylene

TIP	Plate Thickness	Pressure(N	lpa)	Cutting	Consumption(ℓ/H)		
NO.	NO. (mm)	Oxygen	C ₂ H ₄	speed (mm/min)	Cutting Oxygen	Preheat Oxygen	C ₂ H ₄
0	5~10	0.3	0.02	550~660	1,200	800	460
1	10~15	0.35	0.02	495~550	2,100	800	460
2	15~30	0.35	0.025	400~490	3,400	900	500
3	30~40	0.35	0.025	350~400	4,300	900	500
4	40~50	0.35	0.035	320~350	6,500	1,200	580
5	50~100	0.4	0.035	200~320	11,000	1,200	660
6	100~150	0.4	0.035	150~200	15,000	2,200	1,280
7	150~250	0.45	0.4	90~150	19,000	2,200	1,280
8	250~300	0.45	0.4	80~90	23,000	2,200	1,280

SH> GAS MANIFOLD

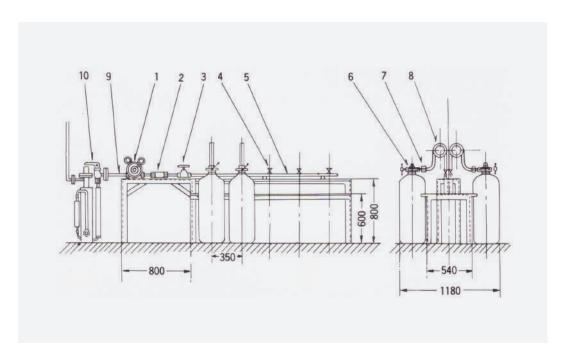
Oxygen Manifold



- **Primary Regulator** High pressure gas to be reduced to 20kg/cm² or less
- Strainer
- HP Cut-Off Valve

- Neck Valve
- Inlet connection
- **HP Main Pipe**
- Pig-tail Pipe
- Cylinder Fixing Frame
- Outlet pipe & Flange

Gas Manifold



- Primary Regulator High pressure gas to be reduced to 1.0kg/cm² or less
- Primary Flash-back Arrestor
- HP Cut-Off Valve
- Neck Valve
- Main Pipe

- Cylinder Fixing Frame
- Secondary Flash-back Arrestor
- Pig-tail Pipe
- LP Pipe with flange
- Station Flash-back Arrestor

WE GOT EVERYTHING YOU WANT!





ADD 6, Ungnam-ro 795beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Republic of Korea

TEL +82-55-546-2133 / FAX +82-55-551-5600

HOME http://cutwel21.com / EMAIL cutwel21@kotis.net