



# AHG<sup>®</sup>

شركة عبدالله هاشم للغازات والمعدات الصناعية المحدودة  
Abdullah Hashim Industrial Gases & Equipment Co.Ltd.

# PRO-CUT

With over **65 years** in the industry, **AHG** understands that choosing the best gas is a critical part for any situation. Which is why **AHG** has designed **PRO-CUT**. An innovation in high-performance welding gas blend that is designed to optimize your cutting jobs. **PRO-CUT** sets the new standard of economy, performance, and safety for gases used in the metal working process.

**PRO-CUT** is a reliable fuel gas for cutting, heating, and brazing that ensures faster cutting speed, narrower kerf formation, superior surface finish, Low deposition of carbon, Low slag formation and almost nil backfire tendency



Each cylinder of **PRO-CUT** fuel contains **22kg of Gas** which is over 5 times more product than a standard Acetylene cylinder.

## FASTER PREHEAT AND PIERCING RATES FOR CUTTING.

**PRO-CUT** Fuel gas's piercing flame temperature exceeds the flame temperature of most cutting fuels. It starts the cut, preheats, and pierces faster than Acetylene and other combined cutting fuels at a more economical cost.

### CUTTING SAMPLE



# ADVANTAGES OF PRO-CUT



## ADVANCED TECHNOLOGY

- Superior cut finish
- Low stage formation
- No bad odor, smoke, and carbon residue
- Limited metal melting and less spatter
- Reduced chipping and grinding
- Board preheat adjustment range



## SAFETY

- 10x safer than acetylene
- Low Explosive Limit
- Easy to handle low pressure cylinders
- Flashback and backfire resistant
- Less U.V. protection required
- Not sensitive to shock



## COST EFFECTIVE

- Up to 30% cost savings
- Low oxygen consumption
- 5x Reduced cylinder inventory
- Lower logistical costs
- Minimize cylinder rentals
- No trolley required
- Less costly to maintain
- Increased equipment life



## ECO-FRIENDLY

- Hydrocarbon based
- Light weight cylinders
- Cleaner emissions
- Non-Toxic
- Stable gas

## COMPARISON OF PRO-CUT AND ACETYLENE

SAFETY DATA	PRO-CUT	ACETYLENE
Shock sensitivity	Stable	UNSTABLE
Explosive limits in oxy (%)	2.5-56	3.0-93
Explosive limits in air (%)	2.25-9.4	2.5-80
Max allowable pressure	Cylinder	15psig
Bum vicy in OXY ft/sec	13.5	22.7
Backfire tendency	LOW	HIGH
Toxicity	LOW	HIGH
Specific gravity of liquid	0.51	-----
Lbs./gal liquid	4.29	-----
FT <sup>2</sup> /lb. GAS	8.66	14.6
Specific gravity of gas	1.52	0.906
Vapor pressure at 70°psig	120	-----
Boiling range temp. °f	-50	8.4

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