

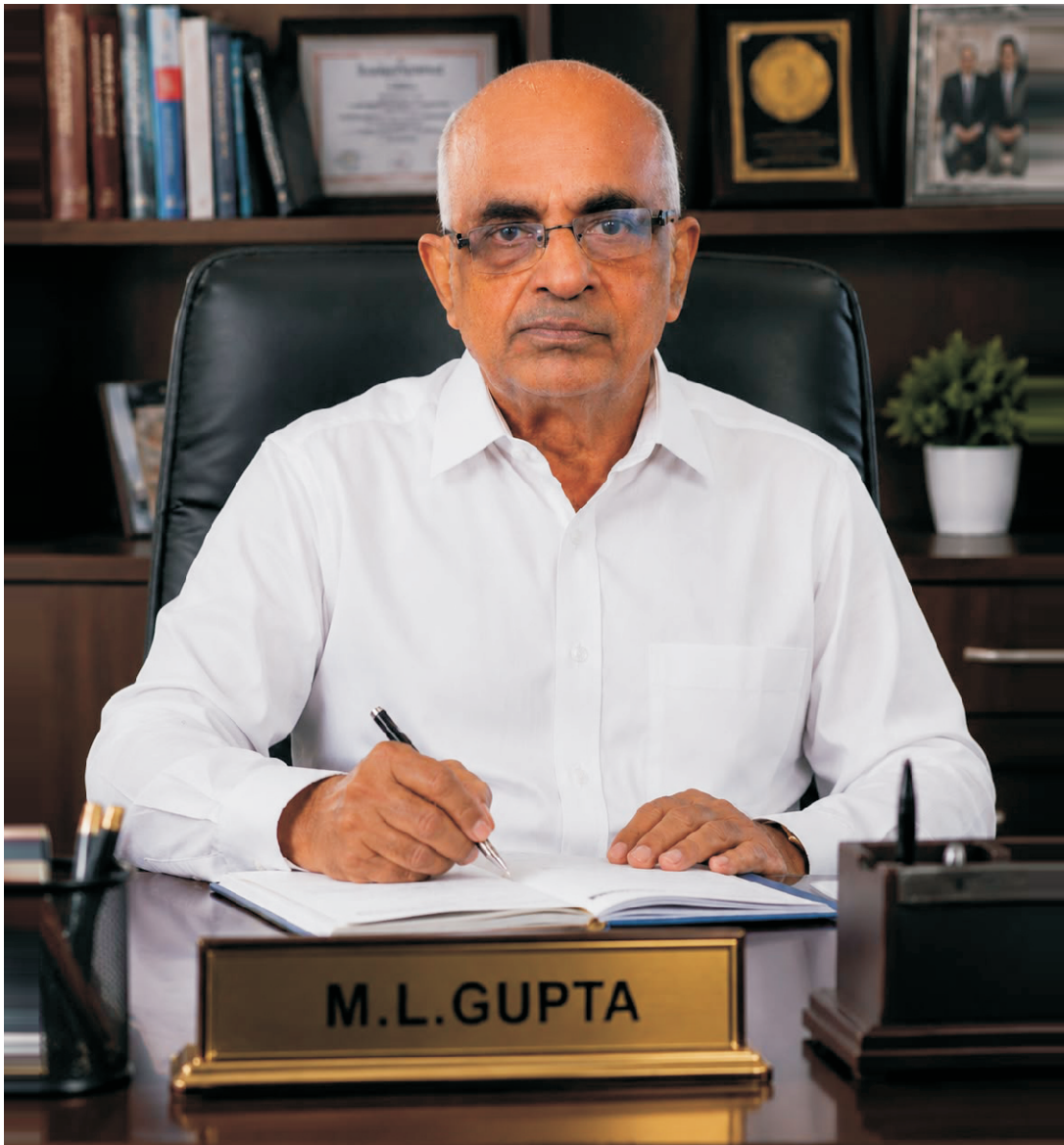


CRAFTING EXCELLENCE, ONE WELD AT A TIME



## **WELDING & GAS CUTTING SOLUTIONS**

### **PRODUCT CATALOGUE**



## FROM THE FOUNDER'S DESK

A Legacy Built on Trust, Quality & Innovation Since our inception in 1963, M.J. Traders has been driven by a simple yet powerful vision—to provide reliable, high-quality welding, gas cutting, and industrial safety solutions that empower industries to perform at their best. What began as a modest enterprise has grown into a trusted manufacturing organization serving customers across India. This journey has been possible because of our unwavering commitment to quality, ethical business practices, customer satisfaction, and continuous innovation. At M.J. Traders, every product that leaves our facility reflects our dedication to precision engineering, stringent quality control, and excellence in manufacturing. Our modern production infrastructure, skilled workforce, and focus on technological advancement enable us to consistently deliver products that meet the evolving demands of industry. We are proud to have earned the confidence of leading organizations across sectors including Railways, Defense, Power, Steel, Mining, Infrastructure, and Heavy Engineering. Their trust inspires us to continuously improve and set higher standards for our selves. As we look toward the future, our commitment remains unchanged—to manufacture dependable products, build lasting relationships, and contribute to the growth of Indian industry.

"Quality Builds Trust, and Trust Builds Legacy."  
Thank you for being a part of our journey.

**M. L. Gupta**  
Founder M.J. Traders





# INTRODUCTION

EVERY GREAT JOURNEY BEGINS WITH A VISION.

For **M.J. Traders**, the vision was born in **1963**, when **Mr. M.L. Gupta**, a man of deep passion and determination, laid the foundation of what would become one of Kolkata's most trusted names in welding and industrial safety.

From a modest beginning, **M.J. Traders** grew step by step — with hard work, honesty, and a relentless commitment to quality. What started as a small venture soon transformed into a pioneering manufacturing company, **crafting ARC Welding Machines, Gas Cutting & Welding Accessories, Industrial Safety Equipment** — all proudly made in India.

Guided by Mr. Gupta's wisdom and leadership, the company has stood tall through decades of change, constantly evolving with time and technology. His belief that **"QUALITY BUILDS TRUST, AND TRUST BUILDS LEGACY"** continues to inspire everyone at **M.J. Traders** even today.

Over the years, our products have earned not just customers, but relationships — long-standing ones built on faith and performance. It is this love and acceptance that encouraged us to grow further, to expand our production, and to serve some of India's most respected institutions — **Indian Railways, Defence, Power Sector, BHEL, SAIL, Coal India, Ordnance Factories, Larsen & Toubro, JSW, Cement Industries** and many more.

Behind every product we create is a team of **passionate engineers and experts**, dedicated to innovation, precision, and perfection. With state-of-the-art manufacturing, advanced testing facilities, and a heart devoted to Total Quality Management, M.J. Traders continues to uphold its promise — to deliver excellence with integrity.

Today, when we look back at **our journey of over six decades**, we see not just growth, but a legacy — a story of dreams turned into achievements, challenges turned into milestones, and relationships turned into lifelong partnerships.

**M.J. Traders isn't just a company.**

**It's a family, built on trust, hard work, and the unwavering belief that the best is always yet to come.**



# OUR ESTEEMED CLIENTS

For over six decades, M.J. Traders and WELDSTAR have been privileged to serve some of India's most respected organizations across Defence, Aerospace, Energy, Infrastructure, Steel, Shipping, Research, and Manufacturing sectors.

*Trusted by Industry. Preferred by Professionals.*



ISRO



RELIANCE  
INDUSTRIES LIMITED



INDIAN ARMY



INDIAN RAILWAYS



INDIAN NAVY



BHEL



HINDUSTAN  
AERONAUTICS LIMITED



LARSEN & TOUBRO



NTPC



NPCIL



JSW



ULTRATECH CEMENTS



COCHIN SHIPYARD  
LIMITED



MAZAGON DOCK  
SHIPBUILDERS LIMITED



GARDEN REACH SHIPBUILDERS  
& ENGINEERS LIMITED



RINL, VIZAG STEEL  
PLANT



ONGC



NMDC



INDO-TIBETAN BORDER  
POLICE



**WeldStar**®

# INDEX

## CONTENT:

## PAGE NO:

|                                                         |       |
|---------------------------------------------------------|-------|
| 1. Gas Pressure Regulator/ LPG Adaptor/ Flow Meter..... | 1-7   |
| 2. Cutting & Welding Blowpipe.....                      | 8-9   |
| 3. Rubber Hose Pipe & CO <sup>2</sup> Pre Heater .....  | 10    |
| 4. Plasma Cutting Torch (P80).....                      | 10    |
| 5. Heating Torch.....                                   | 11    |
| 6. Flash Back Arrestor.....                             | 12    |
| 7. Pug Cutting Machine.....                             | 13    |
| 8. Gas Cutting Nozzle.....                              | 14    |
| 9. PVC Welding Torch.....                               | 14    |
| 10. Electrode Holder.....                               | 15    |
| 11. Earthing Clamp.....                                 | 16    |
| 12. Argon / MIG Welding & Gouging Torch.....            | 17-18 |
| 13. Oven.....                                           | 19    |
| 14. Chipping Hammer.....                                | 20    |
| 15. Cable Connector.....                                | 20    |
| 16. Leather Gloves.....                                 | 20    |



## Single Stage Single Gauge Gas Pressure Regulator



- ☞ Brass forging body.
- ☞ Mazak Pressure die-casting bonnet.
- ☞ Neoprene rubber diaphragm. \*
- ☞ Sintered metal inlet filter.
- ☞ Single safety pressure gauge.
- ☞ In-built safety valve. (Except acetylene)
- ☞ Outlet pressure can be regulated & checked by the marking made on the bonnet.
- ☞ Used for Welding, Cutting & Heating.
- ☞ Also available in other required gases with customized connection & pressures.
- ☞ ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS             | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION     |               | STANDARD FLOW     |
|-----------|-----------------|--------------------|---------------------|----------------|---------------|-------------------|
|           |                 | (BAR)              | (BAR)               | INLET          | OUTLET        | m <sup>3</sup> /h |
| A01       | OXYGEN          | 300                | 10                  | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 30                |
| A02       | ACETYLENE       | 25                 | 1.5                 | 5/8" BSP(LH)M  | 3/8" BSP(LH)M | 05                |
| A03       | NITROGEN        | 300                | 10                  | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 25                |
| A04       | ARGON           | 300                | 10                  | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 25                |
| A05       | HYDROGEN        | 300                | 10                  | 5/8" BSP(LH)M  | 3/8" BSP(LH)M | 30                |
| A06       | CO <sub>2</sub> | 200                | 04                  | W 21.8-14(RH)F | 3/8" BSP(RH)M | 02                |
| A07       | AIR             | 300                | 10                  | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 30                |
| A08       | HELIUM          | 300                | 10                  | 3/4" BSP(RH)M  | 3/8" BSP(RH)M | 25                |

\*FOR CO<sub>2</sub> GAS, DIAPHRAGM WILL BE OF SILICON RUBBER.

## Single Stage Single Gauge LPG Pressure Regulator



- ☞ Brass forging body.
- ☞ Pressure die casting bonnet.
- ☞ Neoprene rubber diaphragm.
- ☞ Single safety pressure gauge.
- ☞ Used for Welding, Cutting & Heating.
- ☞ ISI Mark: IS 6901/ ISO 2503 & CE Certified



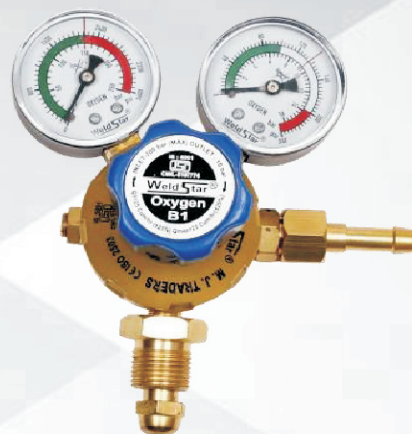
| ITEM CODE | GAS | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION                                                   |        | STANDARD FLOW     |
|-----------|-----|--------------------|---------------------|--------------------------------------------------------------|--------|-------------------|
|           |     | (BAR)              | (BAR)               | INLET                                                        | OUTLET | m <sup>3</sup> /h |
| A09       | LPG | 25                 | 1.5                 | TO FIT DIRECTLY ON INDUSTRIAL LPG CYLINDER VALVE OF 25mm DIA |        | 05                |

**WeldStar®**

## Single Stage Two Gauge Gas Pressure Regulator



- Brass forging body.
- Mazak Pressure die-casting bonnet.
- Neoprene rubber diaphragm. \*
- Sintered metal inlet filter.
- Dual safety pressure gauges.
- In-built safety valve. (Except acetylene & LPG)
- Used for Welding, Cutting & Heating
- Also available in other required gases with customized connection & pressures.
- ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS             | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION     |              | STANDARD FLOW<br>m <sup>3</sup> /h |
|-----------|-----------------|--------------------|---------------------|----------------|--------------|------------------------------------|
|           |                 | (BAR)              | (BAR)               | INLET          | OUTLET       |                                    |
| B01       | OXYGEN          | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 30                                 |
| B02       | ACETYLENE       | 25                 | 1.5                 | 5/8"BSP(LH)M   | 3/8"BSP(LH)M | 05                                 |
| B03       | NITROGEN        | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 25                                 |
| B04       | ARGON           | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 25                                 |
| B05       | HYDROGEN        | 300                | 10                  | 5/8"BSP(LH)M   | 3/8"BSP(LH)M | 30                                 |
| B06       | CO <sub>2</sub> | 200                | 04                  | W 21.8-14(RH)F | 3/8"BSP(RH)M | 02                                 |
| B07       | AIR             | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 30                                 |
| B08       | HELIUM          | 300                | 10                  | 3/4"BSP(RH)M   | 3/8"BSP(RH)M | 25                                 |

\*FOR CO<sub>2</sub> GAS, DIAPHRAGM WILL BE OF SILICON RUBBER.

## Single Stage Two Gauge LPG Pressure Regulator



- Brass forging body.
- Pressure die-casting bonnet.
- Neoprene rubber diaphragm.
- Sintered metal inlet filter.
- Dual safety pressure gauges.
- Used for Welding, Cutting & Heating.
- ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION                 |              | STANDARD FLOW<br>m <sup>3</sup> /h |
|-----------|-----|--------------------|---------------------|----------------------------|--------------|------------------------------------|
|           |     | (BAR)              | (BAR)               | INLET                      | OUTLET       |                                    |
| B09       | LPG | 25                 | 1.5                 | 1NT-31 21.8 x 1.8-14 (LH)F | 3/8"BSP(LH)M | 05                                 |

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## Two Stage Two Gauge Gas Pressure Regulator



- ☞ Brass forging body.
- ☞ Mazak Pressure die-casting bonnet.
- ☞ Neoprene rubber diaphragm. \*
- ☞ Sintered metal inlet filter.
- ☞ Dual safety pressure gauges.
- ☞ In-built safety valve. (Except acetylene)
- ☞ Continuous steady pressure & flow.
- ☞ Used for Welding, Cutting & Heating.
- ☞ Also available in other required gases with customized connection & pressures.
- ☞ ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS             | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION       |                 | STANDARD FLOW     |
|-----------|-----------------|--------------------|---------------------|------------------|-----------------|-------------------|
|           |                 | (BAR)              | (BAR)               | INLET            | OUTLET          | m <sup>3</sup> /h |
| D01       | OXYGEN          | 300                | 10                  | 5/8" BSP (RH) M  | 3/8" BSP (RH) M | 60                |
| D02       | ACETYLENE       | 25                 | 1.5                 | 5/8" BSP (LH) M  | 3/8" BSP (LH) M | 05                |
| D03       | NITROGEN        | 300                | 10                  | 5/8" BSP (RH) M  | 3/8" BSP (RH) M | 30                |
| D04       | ARGON           | 300                | 10                  | 5/8" BSP (RH) M  | 3/8" BSP (RH) M | 30                |
| D05       | HYDROGEN        | 300                | 10                  | 5/8" BSP (LH) M  | 3/8" BSP (LH) M | 30                |
| D06       | CO <sub>2</sub> | 200                | 04                  | W 21.8-14 (RH) F | 3/8" BSP (RH) M | 02                |
| D07       | AIR             | 300                | 10                  | 5/8" BSP (RH) M  | 3/8" BSP (RH) M | 30                |
| D08       | HELIUM          | 300                | 10                  | 3/4" BSP (RH) M  | 3/8" BSP (RH) F | 30                |

\*FOR CO<sub>2</sub> GAS, DIAPHRAGM WILL BE OF SILICON RUBBER.

## Single Stage Two Gauge LPG With Adaptor



- ☞ Brass forging body.
- ☞ Pressure die-casting bonnet.
- ☞ Neoprene rubber diaphragm.
- ☞ Sintered metal inlet filter.
- ☞ Dual safety pressure gauges.
- ☞ Used for Welding, Cutting & Heating.
- ☞ ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION                                                   |        | STANDARD FLOW     |
|-----------|-----|--------------------|---------------------|--------------------------------------------------------------|--------|-------------------|
|           |     | (BAR)              | (BAR)               | INLET                                                        | OUTLET | m <sup>3</sup> /h |
| B10       | LPG | 25                 | 1.5                 | TO FIT DIRECTLY ON INDUSTRIAL LPG CYLINDER VALVE OF 25mm DIA |        | 05                |

**WeldStar**®

## **Dura Multi Stage Two Gauge Gas Pressure Regulator**



- ☞ Brass forging body.
- ☞ Mazak pressure die-casting bonnet.
- ☞ SS Diaphragm in 1<sup>st</sup> stage & Neoprene rubber diaphragm in 2<sup>nd</sup> stage. \*
- ☞ Sintered metal inlet filter.
- ☞ Dual safety pressure gauges.
- ☞ In-built safety valve. (Except acetylene)
- ☞ Continuous steady pressure & flow.
- ☞ Used for Welding & Cutting
- ☞ Also available in other required gases with customized connection & pressures.
- ☞ ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS       | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION     |              | STANDARD FLOW |
|-----------|-----------|--------------------|---------------------|----------------|--------------|---------------|
|           |           | (BAR)              | (BAR)               | INLET          | OUTLET       | m3/h          |
| E01       | OXYGEN    | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 60            |
| E02       | ACETYLENE | 25                 | 1.5                 | 5/8"BSP(LH)M   | 3/8"BSP(LH)M | 05            |
| E03       | NITROGEN  | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 50            |
| E04       | ARGON     | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 50            |
| E05       | HYDROGEN  | 300                | 10                  | 5/8"BSP(LH)M   | 3/8"BSP(LH)M | 50            |
| E06       | CO2       | 200                | 04                  | W 21.8-14(RH)F | 3/8"BSP(RH)M | 02            |
| E07       | AIR       | 300                | 10                  | 5/8"BSP(RH)M   | 3/8"BSP(RH)M | 50            |
| E08       | HELIUM    | 300                | 10                  | 3/4"BSP(RH)M   | 3/8"BSP(RH)F | 50            |

\*FOR CO<sub>2</sub> GAS, DIAPHRAGM WILL BE OF SILICON RUBBER.

## **LPG Adaptor Heavy Duty Brass (Forged Body)**

- ☞ Brass forging body.
- ☞ Aluminum knob for gas control
- ☞ Easy three-way tightening T-Bolt's fitting.
- ☞ Delivers LPG gas supply at an unreduced delivery pressure required for cutting & welding.



ITEM CODE:FO1

## **LPG Adaptor Light Duty**

- ☞ Clip on regulator
- ☞ Mazak Pressure die casting body.
- ☞ Required to regulate supply of LPG gas stored in the cylinders.
- ☞ Fitted with non-return valve which prevents reverse gas flow to the cylinder.
- ☞ It has molded knob for gas on/off control.
- ☞ Fitted to LPG cylinder by means of stainless-steel balls & an "O" ring at the outlet to eliminate any gas leakage.



ITEM CODE:FO2

**WeldStar®**

## SS Single Stage Two Gauge Gas Pressure Regulator



- ☛ Specially Engineered Regulator for Ultra-High Purity Gases.
- ☛ Body, bonnet & all metal spares made of austenitic stainless steel AISI-304/316 grade.
- ☛ Constructed from non-contaminated materials.
- ☛ In-built safety valve. (Except acetylene)
- ☛ Used with wide variety of gases-oxygen & all compressed gases, acetylene, carbon dioxide, Carbon monoxide, ethylene, nitrous oxide, Sulphur oxide, rare gases like neon, xenon, krypton, etc.
- ☛ ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS             | MAX INLET PRESSURE<br>(BAR) | MAX OUTLET PRESSURE<br>(BAR) | CONNECTION     |               | STANDARD FLOW<br>M <sup>3</sup> /h |
|-----------|-----------------|-----------------------------|------------------------------|----------------|---------------|------------------------------------|
|           |                 |                             |                              | INLET          | OUTLET        |                                    |
| SS01      | OXYGEN          | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 30                                 |
|           | ACETYLENE       | 25                          | 1.5                          | 5/8" BSP(LH)M  | 3/8" BSP(LH)M | 05                                 |
|           | NITROGEN        | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 25                                 |
|           | ARGON           | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 25                                 |
|           | HYDROGEN        | 300                         | 10                           | 5/8" BSP(LH)M  | 3/8" BSP(LH)M | 30                                 |
|           | CO <sub>2</sub> | 200                         | 04                           | W 21.8-14(RH)F | 3/8" BSP(RH)M | 02                                 |
|           | AIR             | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 30                                 |
|           | HELIUM          | 300                         | 10                           | 3/4" BSP(RH)M  | 3/8" BSP(RH)M | 25                                 |

## SS Two Stage Two Gauge Gas Pressure Regulator



- ☛ Specially Engineered Regulator for Ultra-High Purity Gases.
- ☛ Body, bonnet & all metal spares made of austenitic stainless steel AISI-304/316 grade.
- ☛ Constructed from non-contaminated materials.
- ☛ In-built safety valve. (Except acetylene)
- ☛ Used with wide variety of gases-oxygen & all compressed gases, acetylene, carbon dioxide, Carbon monoxide, ethylene, nitrous oxide, Sulphur oxide, rare gases like neon, xenon, krypton, etc.
- ☛ ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS             | MAX INLET PRESSURE<br>(BAR) | MAX OUTLET PRESSURE<br>(BAR) | CONNECTION     |               | STANDARD FLOW<br>M <sup>3</sup> /h |
|-----------|-----------------|-----------------------------|------------------------------|----------------|---------------|------------------------------------|
|           |                 |                             |                              | INLET          | OUTLET        |                                    |
| SS02      | OXYGEN          | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 30                                 |
|           | ACETYLENE       | 25                          | 1.5                          | 5/8" BSP(LH)M  | 3/8" BSP(LH)M | 05                                 |
|           | NITROGEN        | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 25                                 |
|           | ARGON           | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 25                                 |
|           | HYDROGEN        | 300                         | 10                           | 5/8" BSP(LH)M  | 3/8" BSP(LH)M | 30                                 |
|           | CO <sub>2</sub> | 200                         | 04                           | W 21.8-14(RH)F | 3/8" BSP(RH)M | 02                                 |
|           | AIR             | 300                         | 10                           | 5/8" BSP(RH)M  | 3/8" BSP(RH)M | 30                                 |
|           | HELIUM          | 300                         | 10                           | 3/4" BSP(RH)M  | 3/8" BSP(RH)M | 25                                 |

**WeldStar**®



## Single Stage Two Gauge High Flow 14



- Brass forging body.
- Brass forging bonnet with chrome plated.
- Meets service demands for high flow gas.
- Suitable for heavy cutting, thermic lancing & light scarfing.
- Also suitable for use with cylinder & pipelines.
- Also available in other required gases with customized connection & pressures.
- ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS    | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION   |              | STANDARD FLOW     |
|-----------|--------|--------------------|---------------------|--------------|--------------|-------------------|
|           |        | (BAR)              | (BAR)               | INLET        | OUTLET       | m <sup>3</sup> /h |
| C01       | OXYGEN | 300                | 14                  | 5/8"BSP(RH)M | 3/8"BSP(RH)M | 90                |

## Single Stage Two Gauge High Pressure 50

- Brass forging body.
- Brass forging bonnet.
- Meets service demands for high flow gas.
- Suitable for heavy cutting, thermic lancing & light scarfing.
- Also suitable for use with cylinder.
- Also available in other required gases with customized connection & pressures.
- ISO 2503



| ITEM CODE | GAS    | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION   |              |
|-----------|--------|--------------------|---------------------|--------------|--------------|
|           |        | (BAR)              | (BAR)               | INLET        | OUTLET       |
| C02       | OXYGEN | 300                | 50                  | 5/8"BSP(RH)M | 3/8"BSP(RH)M |

## Flow meter Argon/Co2

- Brass forging body and poly carbonated tube.
- Used for measuring the mass or volume of liquid, gas, etc.
- Used to control of gas flow in regulator outlet.
- It has anti-corrosive nature, longer functional life and Hassle free functioning.

| ITEM CODE | RANGE    | CONNECTION                            | AIR PRESSURE |
|-----------|----------|---------------------------------------|--------------|
| F03       | 5-40 lpm | INLET-3/8"BSP(F)<br>OUTLET-3/8"BSP(M) | 2 BAR        |



**WeldStar**®

## Single Stage Two Gauge High Pressure 70

- Brass forging body.
- Brass forging bonnet.
- Meets service demands for high flow gas.
- Suitable for heavy cutting, thermic lancing & light scarfing.
- Also suitable for use with cylinder.
- Also available in other required gases with customized connection & pressures.
- ISO 2503



| ITEM CODE | GAS    | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION   |              |
|-----------|--------|--------------------|---------------------|--------------|--------------|
|           |        | (BAR)              | (BAR)               | INLET        | OUTLET       |
| C03       | OXYGEN | 300                | 70                  | 5/8"BSP(RH)M | 3/8"BSP(RH)M |

## Single Stage Single Gauge CO2 with Inbuilt Flowmeter & Pre-heater



- Forged body.
- Polycarbonate Tube.
- Mazak Pressure die-casting bonnet.
- Silicone rubber diaphragm.
- Sintered metal inlet filter.
- Single safety pressure gauge.
- In-built safety valve.
- Outlet pressure can be regulated & checked by the marking made on the bonnet.
- Used for Welding, Cutting & Heating.
- Also available in other required gases with customized connection & pressures.
- ISI Mark: IS 6901/ ISO 2503 & CE Certified.



| ITEM CODE | GAS | MAX INLET PRESSURE | MAX OUTLET PRESSURE | CONNECTION     |              | STANDARD FLOW     |
|-----------|-----|--------------------|---------------------|----------------|--------------|-------------------|
|           |     | (BAR)              | (BAR)               | INLET          | OUTLET       | m <sup>3</sup> /h |
| A10       | CO2 | 200                | 10                  | W 21.8-14(RH)F | 3/8"BSP(RH)M | 02                |

## Manual Cutting BlowPipe



- ☞ Heavy Duty Cutting Blow Pipe.
- ☞ Brass forging body, middle & head.
- ☞ Extended torch length available upto 2500mm.
- ☞ Economy of gas saving.
- ☞ Used for Cutting & Heating.
- ☞ Swagged nozzles ensure parallel beam of heating flame.
- ☞ Refacing of nozzle possible which enhance nozzle life without Compromising on cut quality.
- ☞ ISI Mark: IS 7653/ ISO 2503 & CE Certified.



| ITEM CODE | GAS           | TYPE & GAS MIXING              | HEAD        | CUTTING NOZZLE                  | MAX CUTTING THICKNESS | WORKING PRESSURE                 | TORCH LENGTH |
|-----------|---------------|--------------------------------|-------------|---------------------------------|-----------------------|----------------------------------|--------------|
|           |               |                                |             | 2 SEAT                          |                       |                                  |              |
| I01       | OXYGEN & FUEL | 2 PIPE, INJECTOR/ SHANK MIXING | 90°<br>180° | TYPE A FOR DA<br>TYPE B FOR LPG | 12"/300mm             | 2.5KG/SQ.CM<br>TO<br>4.0KG/SQ.CM | 450 mm/18"   |

## Nozzle Mixing Cutting BlowPipe



- ☞ Heavy Duty high pressure Cutting Blow Pipe.
- ☞ Brass forging body & head.
- ☞ Seamless SS pipe.
- ☞ Metallic handle & knob instead of plastic for longer life, better appearance & grip.
- ☞ Resistance to backfire.
- ☞ Extended torch length available upto 2500mm.
- ☞ Economy of gas saving.
- ☞ Used for Cutting & Heating.
- ☞ Swagged nozzles ensure parallel beam of heating flame.
- ☞ Refacing of nozzle possible which enhance nozzle life without Compromising on cut quality.
- ☞ ISI Mark: IS 7653/ ISO 2503 & CE Certified.



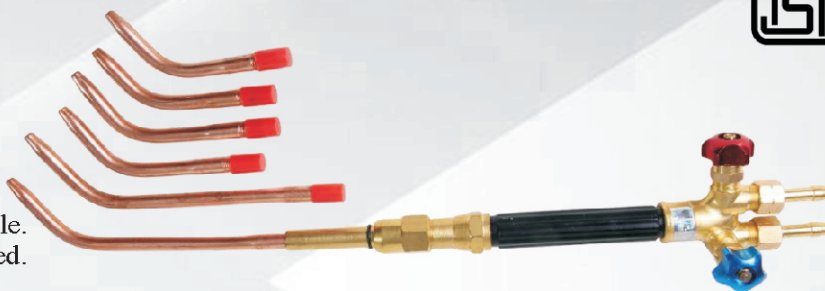
| ITEM CODE | GAS           | TYPE & GAS MIXING     | HEAD        | CUTTING NOZZLE                        | MAX CUTTING THICKNESS | WORKING PRESSURE                 | TORCH LENGTH |
|-----------|---------------|-----------------------|-------------|---------------------------------------|-----------------------|----------------------------------|--------------|
|           |               |                       |             | 3 SEAT                                |                       |                                  |              |
| I09       | OXYGEN & FUEL | 3 PIPE, NOZZLE MIXING | 90°<br>180° | TYPE ANME FOR DA<br>TYPE PNME FOR LPG | 12"/300mm             | 2.5KG/SQ.CM<br>TO<br>5.0KG/SQ.CM | 450 mm/18"   |



## **Welding Blowpipe**



- ☞ Heavy Duty Welding Blow Pipe.
- ☞ Brass forging body.
- ☞ Swaged Copper tips.
- ☞ Metallic handle for better grip.
- ☞ Swagged copper tips customization available.
- ☞ ISI Mark: IS 7653/ ISO 2503 & CE Certified.



| ITEM CODE | GAS           | HEAD     | NO. OF COPPER TIPS(HIGH TO LOW) | MAX WELDING CAPACITY (mm) | WORKING PRESSURE | TORCH LENGTH (mm) |
|-----------|---------------|----------|---------------------------------|---------------------------|------------------|-------------------|
| K01       | OXYGEN & FUEL | STRAIGHT | 6                               | 3 TO 15 mm                | Upto 3.5KG/SQ.CM | 270               |

## **Machine Cutting Blowpipe**



- ☞ INJECTOR TYPE CUTTER IMC3 (Item Code: J01)
  - Cutting capacity upto 75mm with dissolved and Generated acetylene also suitable for LPG gas.
- ☞ NOZZLE MIXING TYPE CUTTING BLOWPIPE IMC3NM (Item Code: J02)
  - Cutting capacity upto 75mm with dissolved and Generated acetylene also suitable for LPG gas.
- ☞ INJECTOR TYPE CUTTER IMC-12(Item Code: J05)
  - Cutting capacity upto 300mm thick mild steel with acetylene or LPG gas.
- ☞ NOZZLE MIXING TYPE CUTTING BLOWPIPE IMC12NM (Item Code: J04)
  - Cutting capacity upto 300mm thick mild steel with acetylene or LPG gas.



- ☞ Above all models are suitable for mounting with machines.
- ☞ ISI Mark: IS 7653/ ISO 2503 & CE Certified.

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## **Rubber Hose Pipe**



- ☞ Tube made of high-quality synthetic rubber compounds.
- ☞ Reinforced with high tensile synthetic yarn.
- ☞ Abrasion & weather resistant synthetic rubber cover.
- ☞ Used in welding & cutting
- ☞ ISI Mark: IS 447/ ISO 2503 & CE Certified.



| ITEM CODE         | NOMINAL BORE SIZE |       | NO. OF BRAID | WORK PRESSURE | TEST PRESSURE |         | TENSILE STRENGTH        | ELONGATION                |
|-------------------|-------------------|-------|--------------|---------------|---------------|---------|-------------------------|---------------------------|
|                   | mm                | inch  |              |               | Mpa           | Kgf/cm² |                         |                           |
| G01<br>(BLUE/RED) | 8                 | 5/16" | 1            | 2.5           | 5.0           | 50      | LINING-5.0<br>COVER-7.0 | LINING-200%<br>COVER-300% |
| G02<br>(BLUE/RED) | 10                | 3/8"  | 1            | 2.5           | 5.0           | 50      | LINING-5.0<br>COVER-7.0 | LINING-200%<br>COVER-300% |

## **Gas Pre-Heater CO<sup>2</sup> & Nitrous Oxide**

- ☞ A heating element that heats gas to a uniform useable temperature before it enters the regulator/flowmeter.
- ☞ Used to keep your welding gas flowing & prevent down-time damage to your equipment.
- ☞ For use with non-combustible welding gas only.
- ☞ Intended for use on 36V/42V/110V/230V & 50/60HZ single phase AC only.
- ☞ Not insulated for outdoor use. Must be protected from moisture.
- ☞ Spares are detachable.
- ☞ Heater cartridge is easily replaceable.



**ITEM CODE:FO4**

## **Plasma Cutting Torch (P80)**

- ☞ Torch Type: Hand Torch
- ☞ Cooling: Air Cooled.
- ☞ Max Current: 120 amp
- ☞ Cable Length: 3 to 20 m
- ☞ Connection Type: Central Connector.
- ☞ Also available in higher current capacity & straight head.



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## Heavy Duty (HD) Heating Torch



- Brass forging body.
- Copper nozzle.
- An injector type Oxy-Acetylene.
- Brass pipe.
- Torch length: 1mtr.
- Customized torch length & nozzle available.
- Used for localized heating in large construction sites, pipe bending, & other applications of general purpose heating.
- ISI Mark: IS 7653/ ISO 2503 & CE Certified.



| ITEM CODE | GAS                            | METAL THICKNESS | OXYGEN PRESSURE |
|-----------|--------------------------------|-----------------|-----------------|
|           |                                | INCH            | BAR             |
| N01       | O <sub>2</sub> & LPG/ACETYLENE | OVER 1 1/2"     | 9               |

## Shower Type Heating Torch



- Brass forging body.
- Copper nozzle.
- Seamless SS pipe.
- Torch length: 1mtr.
- Customized torch length available.
- Available with various nozzle sizes.
- Used for localized heating in large construction sites, pipe bending, & other applications of general purpose heating.
- ISI Mark: IS 7653/ ISO 2503 & CE Certified.



| ITEM CODE | ITEM NAME | GAS                  | METAL THICKNESS | OXYGEN PRESSURE |
|-----------|-----------|----------------------|-----------------|-----------------|
|           |           |                      | INCH            | BAR             |
| N03       | TORCH LPG | O <sub>2</sub> & LPG | OVER 2"         | 9               |



## Flash Back Arrestor



- ☞ Designed to eliminate every possibility of explosion or fire Caused by flash back due to any reason.
- ☞ Useful for fitting on gas regulator & welding/ heating/ cutting blowpipe.
- ☞ This safety device cuts off the gas flow back in case of flash back/ back fire.
- ☞ Provided with non-return valve which locks the gas pressure if any adverse/excess flow pressure occurs & returns to normal as soon as flow comes to normal.
- ☞ It provides easy flow of gas during nominal operation of welding/ cutting but seize fire as soon as fire reach to the fire arresting device provided there in.
- ☞ Customization flash back arrestor available for pipeline. ISI Mark: IS 11006/ ISO 5175/ EN 730-1/ EN 730-2 & CE Certified.



| MODEL        | ITEM CODE | ITEM               | GAS       | MAX WORKING PRESSURE |
|--------------|-----------|--------------------|-----------|----------------------|
|              |           |                    |           | BAR                  |
| FIREPRO (CO) | H01       | CUTTING BLOWPIPE   | OXYGEN    | Upto 20              |
| FIREPRO (CA) |           |                    | ACETYLENE | Upto 1.5             |
| FIREPRO (CL) |           |                    | LPG       | Upto 5               |
| FIREPRO (RO) | H02       | PRESSURE REGULATOR | OXYGEN    | Upto 20              |
| FIREPRO (RA) |           |                    | ACETYLENE | Upto 1.5             |
| FIREPRO (RL) |           |                    | LPG       | Upto 5               |

## Flash Back Arrestor Heavy Duty



- ☞ Forged body.
- ☞ Designed to eliminate every possibility of Explosion or fire caused by a flashback.
- ☞ A high capacity flame arresting element effectively
- ☞ Puts out the flame in case of full flashback.
- ☞ This safety device cuts off the gas flow back in case of flash back/ back fire.
- ☞ It provides easy flow of gas during nominal operation of welding/ cutting but seize fire as soon as fire reach to the fire arresting device provided there in.
- ☞ ISI Mark: IS 11006/ ISO 5175/ EN 730-1/ EN 730-2 & CE Certified.



| MODEL         | ITEM CODE | ITEM       | GAS       | MAX WORKING PRESSURE |
|---------------|-----------|------------|-----------|----------------------|
|               |           |            |           | BAR                  |
| FIREPRO (HRO) | H04       | HEAVY DUTY | OXYGEN    | Upto 20              |
| FIREPRO (HRA) |           |            | ACETYLENE | Upto 1.5             |

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## **PUG Cutting Machine**

- ☞ Easy to handle- the machine is light weight, and they have a wrap round handle for easy portability and protection.
- ☞ Body made up of pressed steel with wrap/round handle and fiber glass heat deflector.
- ☞ Versatile-using extendable tracks, these machines can produce straight cuts on any length, square or bevel edge.
- ☞ With the same precision these machines can cut circles and also shape with gradual curves, when hand guided.
- ☞ Circle cutting- can be done with the use of circle cutting attachments, supplied as optional extra.
- ☞ This can easily attach to the machines by two screws.
- ☞ Cutter adjustment can be swiveled to cut levels up to 45 with rack and pinion.
- ☞ Fuel gas such as acetylene or LPG can be used by selecting the appropriate nozzles.
- ☞ Two nozzles for use with acetylene for cutting MS from 6mm to 75mm thickness supplied along with the machine.
- ☞ Cutter types and sizes are available as optional extras.
- ☞ Motor machine are fitted with 220 volts fractional horse power geared reversible motors. Power is fed through a forward-reverse toggle switch.
- ☞ Track 1.8-meter-long aluminum track (For PUG & PUG NM) or steel track. can be supplied as optional extra. The PUG/PUG NM machines may be set to follow the edge of any straight piece of metal, 8\*20 mm.
- ☞ Optional: i) circle cutting attachments ii) extra nozzles for torches iii) aluminum tracks.



| ITEM CODE    | SQUARE CUTS | BEVEL CUTS | CIRCLES           | CUTTING SPEED | CUTTER                | SPEED CONTROL         | HOSE GAS CONNECTION (5 mm HOSE) |
|--------------|-------------|------------|-------------------|---------------|-----------------------|-----------------------|---------------------------------|
|              | mm          | mm         | mm                | mm/min        |                       |                       |                                 |
| SHARK L01    | UPTO 75     | UPTO 50    | 75-1140 DIAMETER  | 190-800       | IMC-3 INJECTOR TYPE   | ROTARY RESISTANCE     | 1/4" BSP RH & LH                |
| SHARK NM L02 | UPTO 100    | UPTO 75    | 75-1140 DIAMETER  | 190-800       | NM TYPE               | ROTARY RESISTANCE     | 1/4" BSP RH & LH                |
| SHARK HD L03 | UPTO 200    | UPTO 150   | 150-1140 DIAMETER | 120-800       | IMC-150 INJECTOR TYPE | SOLID STATE CIRCUITRY | 1/4" BSP RH & LH                |

## Gas Cutting Nozzle



- ☞ Material: Brass & Copper
- ☞ Type A & ANME -Copper
- ☞ Type B & PNME – Brass
- ☞ Suitable for ISI Mark cutting blowpipe.
- ☞ 2 seated nozzle Type A/B- Item Code M01
- ☞ 3 seated nozzle Type ANM/PNM- Item Code M02
- ☞ 3 seated nozzle Type ANME/PNME- Item Code M03



| NOZZLE<br>SIZE<br>mm | COMPOSITION OF GAS<br>(m <sup>3</sup> /h) |               | CUTTING<br>THICKNESS<br>mm | GAS PRESSURE(BAR)                  |          |                                    |          |
|----------------------|-------------------------------------------|---------------|----------------------------|------------------------------------|----------|------------------------------------|----------|
|                      | OXYGEN(O <sub>2</sub> )                   | ACETYLENE(DA) |                            | NOZZLE TYPE<br>A/ANME(2SEAT/3SEAT) |          | NOZZLE TYPE<br>B/PNME(2SEAT/3SEAT) |          |
|                      |                                           |               |                            | O <sub>2</sub>                     | DA       | O <sub>2</sub>                     | LPG      |
| 0.8                  | 5.0 TO 5.76                               | 0.76          | 3-6                        | 1.5                                | 0.15     | 1.5                                | 0.15     |
| 1.2                  | 7.6 TO 10.0                               | 1.02          | 6-12                       | 2.0                                | 0.15     | 2.5                                | 0.15     |
| 1.6                  | 10.0 TO 12.7                              | 1.52          | 12-75                      | 2.5-3.5                            | 0.15-0.3 | 3.0-3.5                            | 0.2-0.35 |
| 2.0                  | 15.0 TO 19.0                              | 2.50          | 75-100                     | 3.0                                | 0.3      | 3.5                                | 0.4      |
| 2.4                  | 22.0 TO 25.5                              | 3.0           | 100-150                    | 3.0                                | 0.3      | 4.0                                | 0.4      |
| 2.8                  | 30.5 TO 35.5                              | 3.5           | 150-200                    | 4.0                                | 0.3      | 4.5                                | 0.4      |
| 3.2                  | 40.0 TO 55.5                              | 4.8           | 200-300                    | 4.5                                | 0.35     | 5.6                                | 0.5-0.6  |

## PVC Welding Torch

- ☞ Used in fabrication process of thermoplastic material's.
- ☞ Fitted with heat proof molded body and plug in type heating element (for easy replacement) and needle control valve (for air flow control).
- ☞ Equipped with power energy regulator and requires compressed air supply.



ITEM CODE:K04



## **Electrode Holder**



ITEM CODE: O01  
600 AMP FULLY INSULATED ISI



ITEM CODE: O02  
600 AMP SEMI INSULATED ISI



ITEM CODE: O03  
600 AMP FULLY INSULATED HD ISI



ITEM CODE: O04  
600 AMP FULLY INSULATED EX HD ISI



ITEM CODE: O05  
10 PATTI GOLDEN SEMI INSULATED



ITEM CODE: O06  
BLACK GOLD SEMI INSULATED



ITEM CODE: O07  
10 PATTI BABY GOLD SEMI INSULATED

## **Earthing Clamp**



ITEM CODE: P01  
400 AMP CROCODILE TYPE



ITEM CODE: P02  
600 AMP CROCODILE TYPE



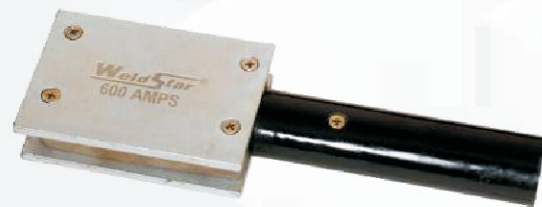
ITEM CODE: P03  
400 AMP CROCODILE TYPE INSULATED



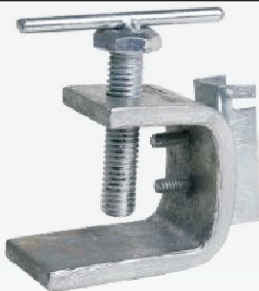
ITEM CODE: P04  
600 AMP CROCODILE TYPE INSULATED



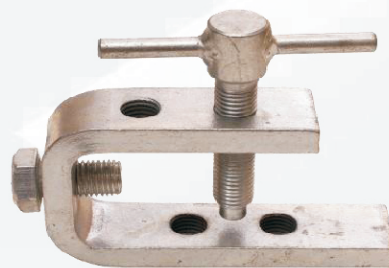
ITEM CODE: P05  
400 AMP MAGNETIC



ITEM CODE: P06  
600 AMP MAGNETIC



ITEM CODE: P07  
C TYPE



ITEM CODE: P08  
C TYPE HEAVY DUTY

## Argon Welding Torch

- ☞ Arc welding with an infusible electrode and inert gas protection.
- ☞ Available in gas and water cooled.
- ☞ Suitable for carbon steel, low alloy steel, stainless steel, nickel alloy's, aluminum and its alloy's, titanium and other non-ferrous alloy's.
- ☞ Conforms to IS 7931 and CE certified.



| MODEL                    | GAS   | LENGTH OF TORCH | ELECTRODE | TUNGSTEN STEEL ROD DIA | VOLTAGE    |
|--------------------------|-------|-----------------|-----------|------------------------|------------|
|                          |       | mtrs            |           | mm                     | volt       |
| GC 200/300<br>WC 400/600 | ARGON | 4/8             | TUNGSTEN  | 2.4 - 3.0              | 220 to 240 |

\* Customise model also available.

## Argon Welding Torch

- ☞ Arc welding with an infusible electrode and inert gas protection.
- ☞ Available in gas cooled and water cooled.
- ☞ Gas control valve.
- ☞ Suitable for carbon steel, low alloy steel, stainless steel, nickel alloy's, aluminum and its alloy's, titanium and other non-ferrous alloy's.
- ☞ Conforms to IS 7931 and CE certified.



| MODEL   | GAS   | LENGTH OF TORCH | ELECTRODE | TUNGSTEN STEEL ROD DIA | VOLTAGE    |
|---------|-------|-----------------|-----------|------------------------|------------|
|         |       | mtrs            |           | mm                     | volt       |
| 26V/18V | ARGON | 4/8             | TUNGSTEN  | 2.4 - 3.0              | 220 to 240 |

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## **Argon Welding Torch**

- ☞ Arc welding with an infusible electrode and inert gas protection.
- ☞ Available in gas & water cooled only.
- ☞ On-off switch and flexible head with non-slip handle.
- ☞ Suitable for carbon steel, low alloy steel, stainless steel, nickel alloy's, aluminum and its alloy's, titanium and other non-ferrous alloy's.
- ☞ Conforms to IS 7931 and CE certified.



**GC20**



**WC40**

| MODEL       | GAS   | LENGTH OF TORCH | ELECTRODE | TUNGSTEN STEEL ROD DIA | VOLTAGE    |
|-------------|-------|-----------------|-----------|------------------------|------------|
|             |       | mtrs            |           | mm                     | volt       |
| GC 20/WC 40 | ARGON | 4/8             | TUNGSTEN  | 2.4 - 3.0              | 220 to 240 |

## **MIG Welding Torch**

- ☞ Gas cooled.
- ☞ Compact & sturdy.
- ☞ Wire diameter: 0.8, 1.2, & 1.6 mm.
- ☞ Wire length: 3mtr.
- ☞ Duty cycle @ 60%.
- ☞ Euro connection.
- ☞ CE certified.



**36KD & 24KD**

## **Gouging Torch**

- ☞ Brass forged body.
- ☞ Heat resistant insulator.
- ☞ Triple air nozzles with 360° swivel head.
- ☞ Used to gouge / removal of excess weld melt / internal or surface defect and bevel edges of various metal.



**ITEM CODE:S02**



**ITEM CODE:S01**

| ITEM CODE | MODEL  | LENGTH OF CABLE | ELECTRODE DIA | CURRENT CAPACITY | CUTTING CAPACITY | AIR PRESSURE       |
|-----------|--------|-----------------|---------------|------------------|------------------|--------------------|
|           |        | mtrs            | mm            | amp              | mm               | Kg/cm <sup>2</sup> |
| S01       | CAG 15 | 2               | 9 & 12        | 900              | 10               | 5.5 to 7.0         |
| S02       | CAG 19 | 2               | 12 & 15       | 1500             | 19               | 5.5 to 7.0         |

## **Portable Drying Oven**

- ☞ Thermocut carry ovens are square type.
- ☞ Oven are highly durable & energy efficient.
- ☞ Light weight & easy to carry.
- ☞ Ovens are fabricated using superior quality raw materials and meet standard quality norms.
- ☞ Electrodes are protected during transfer from the holding oven to the workplace.
- ☞ Also available in DC type oven



**ITEM CODE:T01**



**ITEM CODE:T02**

| ITEM CODE | TYPE OF HEATING COIL | CAPACITY | INNER SPACE | ELECTRODE SIZE | TEMPERATURE RANGE | INPUT VOLT |
|-----------|----------------------|----------|-------------|----------------|-------------------|------------|
|           |                      | kg       | mm          | inch           | °C                | volt       |
| T01       | Ceramic Biscuit      | 5        | 9 & 12      | 18             | 50 to 300         | 220-240    |
| T02       | Cartridge Heater     | 5        | 9 & 12      | 18             | 50 to 300         | 220-240    |

## **Electrode/Flux Drying OVEN**

- ☞ Electrode drying ovens are used for drying electrodes and ensure longer life of the electrode.
- ☞ Especially suitable for re-drying the electrode having excess moisture than the constant capacity of the flux or electrode.



| ITEM CODE | TYPE                       | CAPACITY | ELECTRODE SIZE | TEMPERATURE RANGE | INPUT VOLT |
|-----------|----------------------------|----------|----------------|-------------------|------------|
|           |                            | kg       | inch           | °C                | volt       |
| T03       | Thermostat Digital Display | 25       | 18             | 50 to 300         | 220-240    |
| T04       | Digital Controller         | 25       | 18             | 50 to 400         | 220-240    |
| T05       | Flux                       | 50       | -              | 50 to 400         |            |

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## **Chipping Hammer**

- ☞ Equipped with shock proof steel spring handle.
- ☞ Multipurpose hammer.
- ☞ Dual ended hammer head with a chisel end and a tapered point end.
- ☞ Hardened and tempered head 150mm long.



**ITEM CODE:O10**

## **Cable Connector**



**ITEM CODE: O11**  
**600 AMP BAKELITE MOULDED**



**ITEM CODE: O12**  
**600 AMP RUBBER MOULDED**

## **Leather Gauntlets / Welder Gloves**

- ☞ Made from soft, smooth, pliable chrome tanned leather and free from loose fiber.
- ☞ For handling materials with rough and sharp edges/ hot materials/ during welding and cutting.
- ☞ Available in Type 1 and Type 3 as per IS2573.
- ☞ ISI Marked to Is2573.

| SIZES       |     |
|-------------|-----|
| mm          |     |
| SMALL       | 300 |
| MEDIUM      | 350 |
| LARGE       | 400 |
| EXTRA LARGE | 450 |



**WeldStar®**





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