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## GAS PRESSURE REGULATORS-OXYGEN

### Model 49-OX

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-10 bar (Max)
- Inlet Connection : 5/8"BSP(R/H)M
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 60m<sup>3</sup>/h(1000lit/min)
- Use for Welding, Cutting, Heating & Brazing purpose
- ISI approved. IS 6901:2009



### Model HOX- 230

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-12 bar (Max)
- Inlet Connection : 5/8"BSP(R/H)M
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 70m<sup>3</sup>/h(1200lit/min)
- Use for Welding, Cutting, Heating & Brazing purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-OXYGEN

### Model 100-D-OX

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 5/8"BSP(R/H)M
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 55m<sup>3</sup>/h(900lit/min)
- Use for Welding, Cutting, Heating & Brazing purpose
- ISI approved. IS 6901:2009



### Model 100-S-OX

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 5/8"BSP(R/H)M
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 45m<sup>3</sup>/h (750lit/min)
- Use for low thickness Welding purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-OXYGEN

### Model HOX- 12

- Single Stage Regulator
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-14 bar (Max)
- Inlet Connection : 5/8" BSP(R/H)M
- Outlet Connection : 3/8" BSP(R/H)M
- Flow- 85m<sup>3</sup>/h(1400lit/min)
- Use for Heavy duty Cutting Machine & Manifold
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS- ACETYLENE

### Model 49-AC

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-40 bar
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-1 bar (Max)
- Inlet Connection : 5/8" BSP(L/H)M
- Outlet Connection : 3/8" BSP(L/H)M
- Flow- 15m<sup>3</sup>/h(225lit/min)
- Use for Welding, Cutting, Heating & Brazing purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS- ACETYLENE

### Model HAC-20

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-40 bar
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-1.5 bar (Max)
- Inlet Connection : 5/8"BSP(L/H)M
- Outlet Connection : 3/8"BSP(L/H)M
- Flow- 3m<sup>3</sup>/h(50lit/min)
- Use for Welding & Cutting purpose
- ISI approved. IS 6901:2009



### Model 99-D-AC

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-40 bar
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-0.8 bar (Max)
- Inlet Connection : 5/8"BSP(L/H)M
- Outlet Connection : 3/8"BSP(L/H)M
- Flow- 10m<sup>3</sup>/h(150lit/min)
- Use for Welding, Cutting & Heating purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS- ACETYLENE

### Model 99-S-AC

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-40 bar
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure 0-0.8 bar (Max)
- Inlet Connection : 5/8"BSP(L/H)M
- Outlet Connection : 3/8"BSP(L/H)M
- Flow- 3m<sup>3</sup>/h(45lit/min)
- Use for low thickness Welding purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS- CARBON DIOXIDE

### Model 49-CO<sub>2</sub>

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-10 bar (Max)
- Inlet Connection :  
EXT.W 21.8x 1.814 (R/H)F
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 8m<sup>3</sup>/h (130lit/min)
- Use for Mig & Tig Welding purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS- CARBON DIOXIDE

### Model Durable Series-CO<sub>2</sub>

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-10 bar (Max)
- Inlet Connection :  
EXT.W 21.8x 1.814(R/H)F
- Outlet Connection : 3/8" BSP(R/H)M
- Flow- 10m<sup>3</sup>/h(150lit/min)
- Use for Mig & Tig Welding purpose
- ISI approved. IS 6901:2009



### Model 100-D-CO<sub>2</sub>

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-2 bar (Max)
- Inlet Connection:  
EXT.W 21.8x 1.814(R/H)F
- Outlet Connection : 3/8" BSP(R/H)M
- Flow- 4m<sup>3</sup>/h(60lit/min)
- Use for Mig & Tig Welding purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS- ARGON

### Model 49-AR

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 3/4"BSP(R/H) F
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 40m<sup>3</sup>/h(600lit/min)
- Use for Mig & Tig Welding purpose
- ISI approved. IS 6901:2009



### Model Durable Series-AR

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-10 bar (Max)
- Inlet Connection : 3/4"BSP (R/H) F
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 60m<sup>3</sup>/h (1000lit/min)
- Use for Mig & Tig Welding purpose
- ISI approved. IS 6901:2009





### Model 100-D-AR

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-2 bar (Max)
- Inlet Connection : 3/4" BSP (R/H) F
- Outlet Connection : 3/8" BSP (R/H) M
- Flow- 4m<sup>3</sup>/h (60lit/min)
- Use for Mig & Tig Welding purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-NITROGEN

### Model 49-N<sub>2</sub>

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-10 bar (Max)
- Inlet Connection : 3/4" BSP (R/H) F
- Outlet Connection : 3/8" BSP (R/H) M
- Flow- 55m<sup>3</sup>/h (900lit/min)
- Use for Medical, Laboratory & Line purging purpose
- ISI approved. IS 6901:2009



## Model Durable Series-N<sub>2</sub>

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-12bar (Max)
- Inlet Connection : 3/4"BSP (R/H) F
- Outlet Connection : 3/8"BSP (R/H)M
- Flow- 60m<sup>3</sup>/h(1000lit/min)
- Use for Medical, Laboratory & Line purging purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-NITROGEN

### Model 100-D-N<sub>2</sub>

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-300 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 3/4"BSP(R/H) F
- Outlet Connection : 3/8"BSP (R/H)M
- Flow- 50m<sup>3</sup>/h (800lit/min)
- Use for Medical, Laboratory & Line purging purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-HYDROGEN

### Model 49-H<sub>2</sub>

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 5/8" BSP(L/H) M
- Outlet Connection : 3/8" BSP(L/H) M
- Flow- 55m<sup>3</sup>/h(900lit/min)
- Use for Laboratory & special purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-HYDROGEN

### Model Durable Series-H<sub>2</sub>

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-12 bar (Max)
- Inlet Connection : 5/8" BSP(L/H) M
- Outlet Connection : 3/8" BSP(L/H) M
- Flow- 70m<sup>3</sup>/h(1200lit/min)
- Use for Laboratory & special purpose
- ISI approved IS 6901:2009



## GAS PRESSURE REGULATORS-HELIUM

### Model 100-D-H<sub>2</sub>

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 5/8" BSP (L/H) M
- Outlet Connection : 3/8" BSP (L/H) M
- Flow- 50m<sup>3</sup>/h (800lit/min)
- Use for Laboratory & special purpose
- ISI approved. IS 6901:2009



### Model 49-He

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-10 bar (Max)
- Inlet Connection : 3/4" BSP (R/H) M
- Outlet Connection : 3/8" BSP (R/H) M
- Flow- 55m<sup>3</sup>/h (900lit/min)
- Use for Laboratory & special purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-HELIUM

### Model Durable Series-HL

- Double Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-12 bar (Max)
- Inlet Connection : 3/4"BSP(L/H) F
- Outlet Connection : 3/8"BSP(L/H)M
- Flow- 60m<sup>3</sup>/h(1000lit/min)
- Use for Laboratory & special purpose
- ISI approved. IS 6901:2009



### Model 100-D-HL

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-300 bar
- Inlet Pressure 0-200 bar (Max)
- Outlet Pressure Gauge 0-16 bar
- Outlet Pressure 0-8 bar (Max)
- Inlet Connection : 3/4"BSP(R/H) F
- Outlet Connection : 3/8"BSP(R/H)M
- Flow- 50m<sup>3</sup>/h(800lit/min)
- Use for Laboratory & special purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-LPG

### Model 29-L

- Single Stage Regulator
- Brass forging body
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure 0-1 bar (Max)
- Inlet Connection : To fit directly industrial LPG cylinder valve
- Outlet Connection : 3/8" BSP(L/H)M
- Flow- 1.5m<sup>3</sup>/h(25lit/min)
- Use for Laboratory & special purpose
- ISI approved. IS 6901:2009



### Model 29 LW

- Single Stage Regulator
- Brass forging body
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-1 bar (Max)
- Inlet Connection : To fit directly industrial LPG cylinder valve
- Outlet Connection : 3/8" BSP(L/H)M
- Flow- 1.5m<sup>3</sup>/h(25lit/min)
- Use for Cutting & Heating purpose
- ISI approved. IS 6901:2009



## GAS PRESSURE REGULATORS-LPG

### Model 120-D-LPG

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-40 bar
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-1.5 bar (Max)
- Inlet Connection :  
1NT-31 21.8 x 1.814(L/H)F
- Outlet Connection: 3/8"BSP(L/H)M
- Flow- 2.5m<sup>3</sup>/h(40lit/min)
- Use for Cutting & Heating purpose
- ISI approved. IS 6901:2009



### Model 120-D-PROPEN

- Single Stage Regulator
- Brass forging body
- Inlet Pressure Gauge 0-40 bar
- Inlet Pressure 0-25 bar (Max)
- Outlet Pressure Gauge 0-4 bar
- Outlet Pressure 0-2.5 bar (Max)
- Inlet Connection :  
1NT-31 21.8 x 1.814(L/H)F
- Outlet Connection : 3/8"BSP(L/H)M
- Flow- 6m<sup>3</sup>/h(100lit/min)
- Use for Cutting & Heating purpose
- ISI approved. IS 6901:2009



## CUTTING BLOWPIPES (TORCH)

### Model PARTOGEN 2

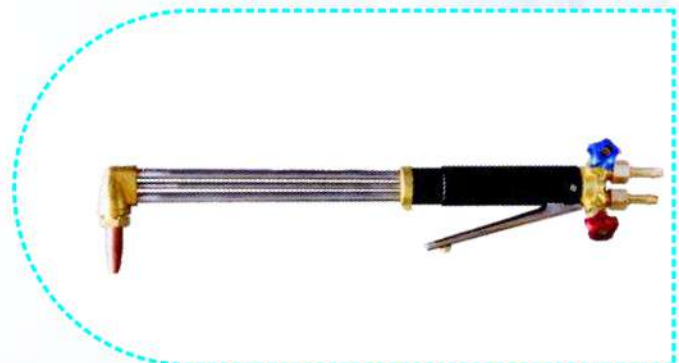
- It's a Low Pressure Cutting Blowpipe
- Gas Mixing : Injector Type Mixer
- Working Pressure -  
2.5 kgf/cm<sup>2</sup> to 4.0 kgf/cm<sup>2</sup>
- 2 Seat Nozzle
- Resistance to Backfire.
- ISI approved IS 7653:1975



Model No.	Item	Head	Nozzle for Acetylene	Nozzle for LPG	Max. Cutting Thickness
PARTOGEN 2	Gas Cutting Blow pipe	90°	TYPE-A	TYPE-B	250 mm / 10"

### Model PARTOGEN 3

- It's a Heavy Duty Cutting Blowpipe
- Gas Mixing: Nozzle Mixing Type
- Working Pressure -  
2.5 kgf/cm<sup>2</sup> to 5.0 kgf/cm<sup>2</sup>
- 3 Seat Nozzle
- Resistance to Backfire
- Economy of Gas saving
- ISI approved IS 7653:1975



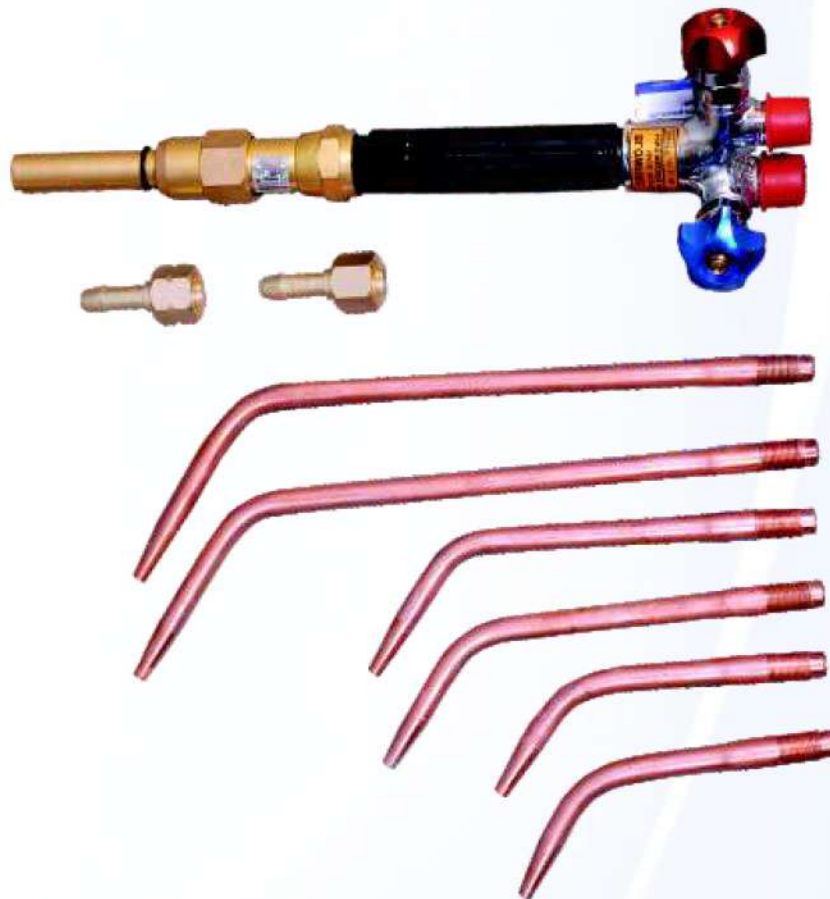
Model No.	Item	Head	Nozzle for Acetylene (C <sub>2</sub> H <sub>2</sub> )	Nozzle for LPG	Max. Cutting Thickness
PARTOGEN 3	Gas Cutting Blow pipe Shank with NM Cutting Attachment	90°	ANM / ANME	PNM / PNME	300 mm / 12"



## WELDING BLOWPIPES (TORCH)

### Model BLOWFIRE

- It's a Welding Blowpipe
- Working Pressure - 2.5 kgf/cm<sup>2</sup> (Max.)
- Resistance to Backfire
- Economy of Gas saving
- ISI approved IS 7653:1975



Model No.	Item	Copper Tips (For high & low pressure)	Welding Capacity
BLOWFIRE	Shank with Welding Attachment	6	3mm to 15mm Thickness

## Shower Type Heating Torch

- It's a Shower Type Heating Blowpipe (1Mt. Long)
- Gas- Oxy/Fuel gas
- Working Pressure - 2.5 kgf/cm<sup>2</sup>
- Resistance to Backfire
- Economy of Gas saving
- ISI approved IS 7653:1975
- \* Caution : **Do not use acetylene as fuel gas**



Heating tip Part #	Tip End Thread	Oxygen Pr.(bar)	Flow (SCFH)	Fuel gas Pr.(bar) (propen)	Flow (SCFH)	Heat Output (BTU/HR)
HMP/HT-1	3/8" BSP(F) R/H	0.7-1.5	160-320	0.3-0.9	40-80	100,000/200,000
HMP/HT-2	3/8" BSP(F) R/H	1.0-3.0	220-520	0.5-1.3	55-130	140,000/330,000
HMP/HT-3	3/8" BSP(F) R/H	1.5-5.0	340-920	0.6-1.5	85-230	215,000/580,000
HMP/HT-4	3/8" BSP(F) R/H	3.0-7.0	640-1300	0.7-2.0	160-325	400,000/820,000
HMP/HT-5	3/8" BSP(F) R/H	4.0-9.0	720-1600	1.0-2.5	180-400	450,000/1,000,000

## PROFILE CUTTING MACHINE

### IMC(CAT)

#### Features

- The model is a small and sturdy cross carriage type Oxygen cutting machine
- Magnetic tracer control system.
- The cutter is designed injector mixing and can be used for Acetylene or LPG as fuel gas.
- Cutting Capacity(MS) : Square edge - 75 mm Thick, Bevel edge - 75 mm upto 45° , Straight - 1000 mm Circle - 660 mm, Rectangle - 785 mm x 660 mm
- Conform to IS 7653



## Flash back Arrestor for Oxygen, Acetylene & LPG (Regulator & Cutter)

### Features

- Flash Back Arrestor is a device to eliminate every possibility of explosion or fire caused by flashback.
- Flash Back Arrestor is suitable for fitting on the regulator outlet.
- Oxygen for use at a maximum inlet pressure 10 bar (150psi).
- Fuel gas : Acetylene / Propan / LPG at a max. inlet pressure of 8 bar (43 psi)
- Conform to IS 11006



## WELDING ACCESSORIES

### LEATHER GAUNTLETS & MITTENS (HAND GLOVES FOR WELDER)

#### Leather Gauntlets for Welders Type 1

### Features

- Leather Gauntlets (Hand Gloves) generally worn by Welders for protection against heat and abrasion during welding.
- Standard sizes (total length) are 300 mm(12"), 350 mm(14") & 400 mm(16")
- Others sizes available on demand.
- ISI approved IS 2573



## STRAIGHT LINE / CIRCLE CUTTING MACHINE

### Model STAG

- It's a Injector Type Versatile Cutting Machine
- Capable to Cuts any length straight line, Thickness cuts (upto 75mm thick MS), bevel cuts(upto 45° and 50mm thick MS) & circle cuts(75-1140mm diameter)
- Cutting Speed - 200-800mm/min, Speed Control-Resistant Control
- Gas Hose Connection-1/4"BSP RH & LH
- Resistance to Backfire
- Conform to IS 7653



### Model STAG NM

- It's a Nozzle Mixing Type Cutting Machine
- Capable to Cuts any length straight line, square Cuts (upto 100mm thick MS), bevel cuts (upto 45° and 75mm thick MS) & circle cuts (75-1140mm diameter)
- Cutting Speed - 190-830mm/min, Speed Control - Resistant Control
- Gas Hose Connection - 1/4"BSP RH & LH
- Resistance to Backfire
- Economy of Gas saving
- Conform to IS 7653



## STRAIGHT LINE / CIRCLE CUTTING MACHINE

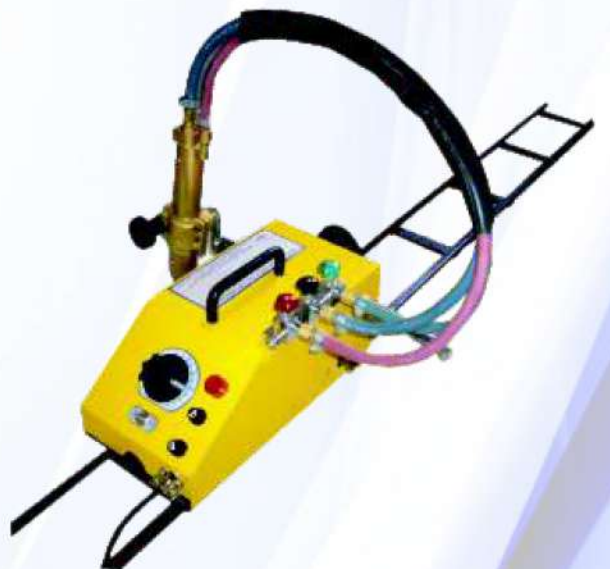
### Model HIND

- It's a Injector Type Versatile Cutting Machine
- Capable to Cuts any length straight line, square or bevel edge & circle.
- Resistance to Backfire
- Conform to IS 7653



### Model PANTHER

- It's a Injector Type Versatile Cutting Machine
- Capable to Cuts any length straight line, square Cuts (upto 150mm thick MS), bevel cuts(upto 45° and 100mm thick MS) & circle cuts (150-1375mm diameter)
- Cutting Speed - 120-400mm/min, Speed Control - SCR Control
- Gas Hose Connection - 3/8" BSP RH & LH
- Conform to IS 7653



## CUTTING NOZZLES

- A Type & ANME - (for Acetylene gas)
- B Type & PNME ( for LPG gas)
- Nozzles sizes : 1/32", 3/64", 1/16", 5/64", 3/32", 7/64" & 1/8"
- Cutting Thickness (MS) : 6 to 300 mm
- ISI approved IS 7653:1975



A Type



ANME



B Type



PNME

## MIG / MAG WELDING TORCH

### Gas Cooled

#### Mig / Mag Welding Torch 250G, 350G & 400G Gas Cooled

##### Features

- The Torch cooling process through gas
- The Shielding gas is inert, the welding process is known as MIG process
- The gas has a definite chemical process activity at the high temperature of the electric arc is known as MAG process.
- The Torch use as continuous welding process, need not required changing electrode frequently
- Conform to IS 7931



## WATER COOLED TORCH

#### HMP Water Cooled / Gas Cooled 400 Amp & 600 Amp

##### Features

- The Torch cooling process through water
- It is a continuous welding process, need not required changing electrode frequently

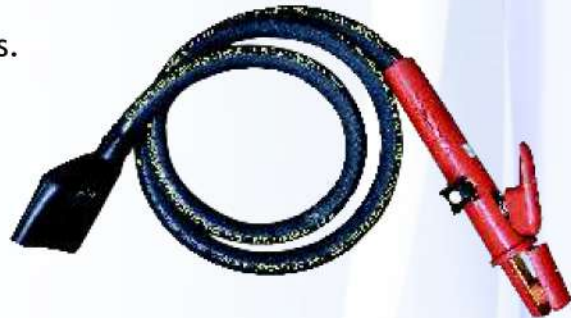


## GOUGING TORCHES

### Model GT- 6, GT- 9, GT- 12 & GT- 20

#### Features

- Gouging Torches are used to Gouge, Crompter, Grove cut, Bevel, Flash of various metals like Aluminum, Copper, Brass, Steel & Cast Iron.
- For high conductivity of current, special grade copper/copper alloy used.
- Heat resistant insulators
- 360° free revolving movement between torch and mono cable.
- Uses compressed air between 5.6 and 7.0 kg./cm<sup>2</sup> (80 and 100 psi)
- Standard Length of Cable is 2 mt. long (additional length available on demand)
- Weight of Torch 2.6 kg.(approx)
- 600Amps., 900Amps., 1200Amps., 2000Aps.



## ELECTRODE HOLDER (ELECTRIC WELDING ACCESSORIES)

### Electrode Holder - Type A & Type B



Type-A

Type-B

#### Features

- Type-A is fully insulated, suitable adverse welding conditions
- Type-B is semi insulated for general open shop conditions
- Rated Current : 200, 400 and 600 Amps.
- Conform to IS 2641



## FLOW METER

### Argon / Carbon dioxide

#### Features

- Flow meter used with regulator or pipeline distribution installation.
- Precision machined forged brass body.
- Depth-30mm,width-100mm, Height-150mm, Weight-210gm (approx)
- Range : 2- 40 lit/m, Gas pressure-0.2 Mpa (max)
- Connection : Outlet-3/8" BSP(M), Inlet-3/8"BSP(F)



## CARBON DIOXIDE HEATER

### Carbon dioxide gas pre-heater

#### Features

- Gas pre-heater is used for heating the CO<sub>2</sub> gas to the boiling point, before it enters into the Regulator.
- Heater is so designed to sufficient cooling the heater during the cylinder valve and integrate in piping system.
- It is thermostat resistant control which maintain constant temperature of 60° +3° C
- Depth-63mm,Width-62mm, Height-62mm, Net Weight-460gms (approx)
- Thermo-Resistant Control



## THERMOCUT CARRY OVEN

### TH 2

Our Thermocut Carry Oven (Round type, Square type & Mini) are highly durable & energy efficient. Ovens are light and easy to carry. Stick electrodes are protect during transfer from the holding oven to the workplace. The Thermocut Carry Ovens are fabricated using superior quality raw material and meet standard quality norms.

#### Specification

- Capacity available : 5 kgs
- Model- TH 2
- Inner Space : 63 mm x 483 mm.
- Small in size, easily carried to shop floor.
- Oven can carry 18" rods.
- Temperature (Thermostat type) range upto 50°C to 300°C.
- Rating : 300 watts.
- Input voltage: 220 / 230 V AC
- Current : 1.5 amps



### TH 2 DC

#### Specification

- Capacity available : 5 kgs
- Model- TH 2 DC (Square Type)
- Inner Space : 63 mm x 63 mm x 483 mm
- Small in size, easily carried to shop floor.
- Oven can carry 18" rods.
- Temperature range upto 150°C.
- Rating : 170 watts.
- Input voltage: 80 V DC
- Current : 2.0 amps



## TH 1 MINI

### Specification

- Capacity available : 10 kgs
- Model- TH 2 (Mini)
- Inner Space : 203 mm x 203mm x 483 mm.  
Small in size, easily carried to shop floor.
- Oven can carry 18" rods.
- Temperature (Thermostat type) range upto 50° C to 300° C.
- Input voltage: 220 / 230 V AC
- Rating : 600 watts.
- Current : 3.0 amps



## ELECTRODE DRYING OVEN

## TH 1 D

These Electrode Drying Ovens are mainly used for drying electrodes and ensures longer life of electrode, especially suitable for re-drying the electrode having excess moisture than the constant capacity of the flux of electrode. Our electrode ovens are extremely convenient to shift from one place to another.

### Specification

- Capacity available : 25 kgs
- Model- TH 1
- Storage space : 305mm x 305mm x 483mm
- Digital display temperature controller with relay system
- Temperature range upto 300° C.
- Input voltage: 220 V / 230 V AC
- Rating: 1200 watts
- Current : 5.5 amps



## TH 50 D

### Specification

- Capacity available : 50 kgs
- Model- TH 1
- Storage space : 559mm x 559mm x 483mm
- Digital display temperature controller, with relay system
- Temperature range upto 400° C.
- Input voltage: 220 V / 230 V AC
- Rating: 1600 watts
- Current : 7.0 amps



## SPECIALLY ENGINEERED REGULATORS FOR ULTRA-HIGH PURITY GASES

### Model : RSG-43 Series

The RSG-43 series regulators are the latest in a long line of superb gas control equipment manufacture with international standard. These latest design changes and proven diffusion-resistant material exact requirements of services for specialty gases and provide the user with almost safety, durability & precision. The specialty gases are expensive and use of diffusion prone components in their regulators not only wastage but may also distort the analytical results.



RSG 43 S

## Specification

- Constructed from Non-Contaminating materials.
- Body made of Austenitic Stainless Steel- AISI-304/316 grade.
- Teflon seal.
- Teflon-lined stainless steel diaphragm.
- Pressure Gauge- Stainless steel with SS bourdon tube.
- For use with wide variety of gases - Ammonia, Argon, Helium, Hydrogen, Nitrogen, Nitrous oxide, Oxygen, Sulphur dioxide and rare gases like Neon, Krypton and Xenon, Arsine, Carbon monoxide, Carbonyl sulphide, Methylene and many other gases.



RSG 43 D

Table : 1

### Description of RSG-43 Series Regulators

SINGLE STAGE	TWO STAGE
RSG-43 S RH I	RSG-43 D RH I
RSG-43 S LH I	RSG-43 D LH I
RSG-43 S RH II	RSG-43 D RH II
RSG-43 S LH II	RSG-43 D LH II
RSG-43 S RH III	RSG-43 D RH III
RSG-43 S LH III	RSG-43 D LH III

Table : 2

### Description of RSG-43 Series Regulators

Model	Heating tip Part #	Heating tip Part #	Heating tip Part #
RSG-43 I	250 kg /cm <sup>2</sup> or bar	6 kg /cm <sup>2</sup> or bar	6000 lit/hr
RSG-43 II	250 kg /cm <sup>2</sup> or bar	15 kg /cm <sup>2</sup> or bar	9000 lit/hr
RSG-43 III	250 kg /cm <sup>2</sup> or bar	25 kg /cm <sup>2</sup> or bar	12000 lit/hr

## Note

- RSG-43 denotes- Regulator for specialty gases
- "S" denotes - Single Stage
- "D" denotes -Double Stage
- I,II,III denotes - Pressure and flow rate range as indicated at Table- 2
- Different inlet connections as per IS Standard are provided to suit the Various gas cylinders.

## Optional Accessories

- S S fine flow control valve with one way check valve.
- S S purge assembly.