

INDUSTRIAL AND MEDICAL GAS HANDLING EQUIPMENTS



AIR EQUIPMENTS AND SPARES

**Office No.19, Dilkap Center, Opp Vijay Print Bus Stop, Sakinaka,
Andheri East, Mumbai 400072**



Single Stage Fine Control Cylinder Regulator, **Metal : SS. CE Approved.** 6 port as per IS Standard with SS Pressure Gauge, diaphragm type, Inlet control port gauge **280 BAR (4061.06 PSI)**. Outlet control port gauge **16 BAR (232.06 PSI)**. Control seat pin valve, SS 316L Seat Control PTFE with SS Diaphragm, Locking pressure hand tight, **10 BAR (Flow : 1192.40 LPM)** pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet / Outlet **Pressure Gauge : SS**. Inlet-locking connection as per gas cylinder, Outlet-Locking connection **as per your requirement**.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-S-S-AR201-Series.	Oxygen	:	44-S-S-OX202-Series.
N ₂ O	:	44-S-S-NTOX203-Series.	Helium	:	44-S-S-HE204-Series.
Mix Gas	:	44-S-S-MXG205-Series.	Hydrogen	:	44-S-S-HYD206-Series.
CO ₂	:	44-S-S-COX207-Series.	Nitrogen	:	44-S-S-NIT208-Series.
Argon	:	44-S-S-ARG209-Series	Acetylene	:	44-S-S-ACY210-Series.

These regulators have been made by all **SS Material 316L**, as per IS 6901:2009 Standard.

Single Stage SS Regulator

Double Stage Fine Control Cylinder Regulator, **Metal : SS. CE Approved.** 6 port as per IS Standard with SS Pressure Gauge, diaphragm type, Inlet control port gauge **280 BAR (4061.06 PSI)**. Outlet control port gauge **16 BAR (232.06 PSI)**. Control seat pin valve, SS 316L Seat Control PTFE with SS Diaphragm, Locking pressure hand tight, **10 BAR (Flow : 1192.40 LPM)** pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet / Outlet **Pressure Gauge : SS**. Inlet-locking connection as per gas cylinder, Outlet-Locking connection **as per your requirement**.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-S-D-AR211-Series.	Oxygen	:	44-S-D-OX212-Series.
N ₂ O	:	44-S-D-NTOX213-Series.	Helium	:	44-S-D-HE214-Series.
Mix Gas	:	44-S-D-MXG215-Series.	Hydrogen	:	44-S-D-HYD216-Series.
CO ₂	:	44-S-D-COX217-Series.	Nitrogen	:	44-S-D-NIT218-Series.
Argon	:	44-S-D-ARG219-Series.	Acetylene	:	44-S-D-ACY220-Series.

These regulators have been made by all **SS Material 316L**, as per IS 6901:2009 Standard.



Double Stage SS Regulator



Single Stage Fine Control Cylinder Regulator, **Metal : Brass Chrome Plated. CE Approved.** 6 port as per IS Standard with Brass Pressure Gauge, diaphragm type, Inlet control port gauge **280 BAR (4061.06 PSI)**. Outlet control port gauge **16 BAR (232.06 PSI)**. Control seat pin valve, SS 316L Seat Control PTFE with SS Diaphragm, Locking pressure hand tight, **10 BAR (Flow : 1192.40 LPM)** pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet / Outlet **Pressure Gauge : Brass**. Inlet-locking connection as per gas cylinder, Outlet-Locking connection **as per your requirement**.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-B-S-AR221-Series.	Oxygen	:	44-B-S-OX222-Series.
N ₂ O	:	44-B-S-NTOX223-Series.	Helium	:	44-B-S-HE224-Series.
Mix Gas	:	44-B-S-MXG225-Series.	Hydrogen	:	44-B-S-HYD226-Series.
CO ₂	:	44-B-S-COX227-Series.	Nitrogen	:	44-B-S-NIT228-Series.
Argon	:	44-B-S-ARG229-Series.	Acetylene	:	44-B-S-ACY230-Series.

These regulators have been made by all **Brass Chrome Plated Material**, as per IS 6901:2009 Standard.

Single Stage Brass Chrome Plated Regulator

Double Stage Fine Control Cylinder Regulator, **Metal : Brass Chrome Plated. CE Approved.** 6 port as per IS Standard with Brass Pressure Gauge, diaphragm type, Inlet control port gauge **280 BAR (4061.06 PSI)**. Outlet control port gauge **16 BAR (232.06 PSI)**. Control seat pin valve, SS 316L Seat Control PTFE with SS Diaphragm, Locking pressure hand tight, **10 BAR (Flow : 1192.40 LPM)** pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet / Outlet **Pressure Gauge : Brass**. Inlet-locking connection as per gas cylinder, Outlet-Locking connection **as per your requirement**.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-B-D-AR231-Series.	Oxygen	:	44-B-D-OX232-Series.
N ₂ O	:	44-B-D-NTOX233-Series.	Helium	:	44-B-D-HE234-Series.
Mix Gas	:	44-B-D-MXG235-Series.	Hydrogen	:	44-B-D-HYD236-Series.
CO ₂	:	44-B-D-COX237-Series.	Nitrogen	:	44-B-D-NIT238-Series.
Argon	:	44-B-D-ARG239-Series.	Acetylene	:	44-B-D-ACY240-Series.

These regulators have been made by all **Brass Chrome Plated Material**, as per IS 6901:2009 Standard.



Double Stage Brass Chrome Plated Regulator



SS High Pressure Piston Type Regulator

High Pressure Piston Type Fine Control Cylinder Regulator, Metal : SS. **CE Approved.** 5 port as per IS Standard with SS Pressure Gauge, diaphragm type, Inlet control port gauge **400 BAR (5801.51) PSI**, Outlet pressure **140 BAR (1450.38) PSI**, Set Pressure **60 BAR**. Control seat pin valve, SS 316L seat control PTFE with SS piston locking pressure hand tight, **60 BAR (Flow : 7154.43 LPM)**. Pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet Pressure Gauge Outlet Pressure Gauge : SS. Inlet-Locking connection as per gas cylinder, Outlet-Locking as per your requirement.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-S-HP-HF-AR241-Series.	Oxygen	:	44-S-HP-HF-OX242-Series.
N ₂ O	:	44-S-HP-HF-NTOX243-Series.	Helium	:	44-S-HP-HF-HE244-Series.
Mix Gas	:	44-S-HP-HF-MXG245-Series.	Hydrogen	:	44-S-HP-HF-HYD246-Series.
CO ₂	:	44-S-HP-HF-COX247-Series.	Nitrogen	:	44-S-HP-HF-NIT248-Series.
Argon	:	44-S-HP-HF-ARG249-Series.	Acetylene	:	44-S-HP-HF-ACY250-Series.

These regulators have been made by all SS Material 316L, as per IS 6901:2009 Standard.

High Pressure Piston Type Fine Control Cylinder Regulator, Metal : Brass Chrome Plated. **CE Approved.** 5 port as per IS Standard with Brass Pressure Gauge, diaphragm type, Inlet control port gauge **400 BAR (5801.51) PSI**, Outlet pressure **140 BAR (1450.38) PSI**, Set Pressure **60 BAR**. Control seat pin valve, SS 316L seat control PTFE with SS piston locking pressure hand tight, **60 BAR (Flow : 7154.43 LPM)**. Pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet Pressure Gauge Outlet Pressure Gauge : Brass. Inlet-Locking connection as per gas cylinder, Outlet-Locking as per your requirement.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-B-HP-HF-AR251-Series.	Oxygen	:	44-B-HP-HF-OX252-Series.
N ₂ O	:	44-B-HP-HF-NTOX253-Series.	Helium	:	44-B-HP-HF-HE254-Series.
Mix Gas	:	44-B-HP-HF-MXG255-Series.	Hydrogen	:	44-B-HP-HF-HYD256-Series..
CO ₂	:	44-B-HP-HF-COX257-Series.	Nitrogen	:	44-B-HP-HF-NIT258-Series.
Argon	:	44-B-HP-HF-ARG259-Series.	Acetylene	:	44-B-HP-HF-ACY260-Series..

These regulators have been made by all Brass Chrome Plated Material, as per IS 6901:2009 Standard.



Brass High Pressure Piston Type Regulator



Single Stage SS LPG Gas Regulator

Single Stage LPG Gas Regulator, Metal : SS. **CE Approved.** 6 Port As per IS Standard with SS Pressure Gauge Regulator, Diaphragm Type, Gas Service : LPG, Inlet Control Port Gauge **21 BAR (304.58 PSI)**. Outlet Control Port Gauge **7 BAR (101.53 PSI)**. Control Seat Pin Valve, SS 316 L Seat Control PTFE With SS Diaphragm Locking Pressure Hand Tight, **2 BAR (Flow : 280 LPM)**. Pressure Tested By Oxygen Gas Cylinder, Running hand knob Material (ABS) With Fine Control Threaded Type Bonnet, Inlet Pressure Gauge Outlet Pressure Gauge SS. Inlet-locking Connection As per Gas Cylinder, Outlet Locking Connection as per your requirement.

LPG Gas SS Regulator available with its respective Product Code are as follows :

LPG : 44-S-S-LP-261-Series.

These regulators have been made by all SS Material 316L, as per IS 6901:2009 Standard.

Single Stage LPG Gas Regulator, Metal : Brass. **CE Approved.** 6 Port As per IS Standard with SS Pressure Gauge Regulator, Diaphragm Type, Gas Service : LPG, Inlet Control Port Gauge **21 BAR (304.58 PSI)**. Outlet Control Port Gauge **7 BAR (101.53 PSI)**. Control Seat Pin Valve, SS 316 L Seat Control PTFE With SS Diaphragm Locking Pressure Hand Tight, **2 BAR (Flow : 280 LPM)**. Pressure Tested By Oxygen Gas Cylinder, Running hand knob Material (ABS) With Fine Control Threaded Type Bonnet, Inlet Pressure Gauge Outlet Pressure Gauge Brass. Inlet-locking Connection As per Gas Cylinder, Outlet Locking Connection as per your requirement.

LPG Gas Brass Regulator available with its respective Product Code are as follows :

LPG : 44-B-S-LP-262-Series.

These regulators have been made by all Brass Chrome Plated Material, as per IS 6901:2009 Standard.



Single Stage Brass LPG Gas Regulator



CO₂ / N₂O Gas Regulator with Inbuilt Heater

CO₂ Inbuilt Gas Heating Regulator designed for applications requiring High Gas Flow rate. Metal : Brass Chrome Plated. **CE Approved.** Built-in Thermostatically Controlled Electric Flame Proof Heater having Inlet Pressure Gauge **280 BAR (4061.06 PSI)**. Outlet Pressure Gauge **16 BAR (232.06 PSI)**. Working Pressure as per CO₂ welding machine.

It keeps the CO₂ warm, allowing for a continuous duty cycle without freezing of the Heater, 100 W / 230 A/c. at 50 / 60 Hz, The Voltage output will vary in some locations, so please specify your voltage requirements when ordering Thermostat Controlled Electric Flame Proof Heater and Freezing Pressure as per CO₂ welding machine.

CO₂ : 44-B-E-H-COX263-Series. N₂O : 44-B-E-H-NTOX264-Series.

These regulators have been made by all Brass Chrome Plated Material, as per IS 6901:2009 Standard.



**Back Pressure Regulator
(Low Pressure Fine Control)**

Backed by our rich expertise in this domain, we are involved in offering a superior quality array of **Back Pressure Regulator. Metal : SS 316 L. CE Approved.** This offered assortment of regulator is manufactured using superior quality raw material and advanced technology as per the defined Industry Standards and Norms. This offered gamut of regulator can also be customized as per the Client requirements. We provide these pressure regulators to our Clients at leading market prices. **Inlet Pressure 12 BAR, Outlet Pressure : 0.2 BAR To 2 BAR, Max. 0.2 BAR (Flow : 23.85 LPM).**

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-S-BP-LP-AR265-Series.	Oxygen	:	44-S-BP-LP-OX266-Series.
N ₂ O	:	44-S-BP-LP-NTOX267-Series.	Helium	:	44-S-BP-LP-HE268-Series.
Mix Gas	:	44-S-BP-LP-MXG269-Series.	Hydrogen	:	44-S-BP-LP-HYD270-Series.
CO ₂	:	44-S-BP-LP-COX271-Series.	Nitrogen	:	44-S-BP-LP-NIT272-Series.
Argon	:	44-S-BP-LP-ARG273-Series.	Acetylene	:	44-S-BP-LP-ACY274-Series.

These regulators have been made by all SS Material 316L, as per IS 6901:2009 Standard.

This is a Pressure-Reducing Regulator with an adjustable spring operating against a flexible elastomeric diaphragm subject to the reduced Outlet Pressure. **Metal : SS. CE Approved. Inlet pressure 280 BAR (4061.06 PSI) & Outlet Pressure 7 BAR (101.53 PSI). Working pressure 3 BAR (357.72 LPM).**

This regulator is used for medium to high flow applications. Corresponding threaded NPT models are also available.

This Valve can be used for Air & Gas, depending on the materials. Only clean, filtered or strained liquids and gases should be used for best operation of the Valve. A strainer or filter, depending on the degree of contamination, should be installed before the inlet of the Valve.

Unlike unbalanced Pressure-Reducing Valves, this Valve is a balanced inlet design and will work quite well on applications where the inlet pressure will fluctuate widely and will have little effect on outlet pressure.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-S-PR-HF-FL-AR275-Series.	Oxygen	:	44-S-PR-HF-FL-OX276-Series.
N ₂ O	:	44-S-PR-HF-FL-NTOX277-Series.	Helium	:	44-S-PR-HF-FL-HE278-Series.
Mix Gas	:	44-S-PR-HF-FL-MXG279-Series.	Hydrogen	:	44-S-PR-HF-FL-HYD280-Series.
CO ₂	:	44-S-PR-HF-FL-COX281-Series.	Nitrogen	:	44-S-PR-HF-FL-NIT282-Series.
Argon	:	44-S-PR-HF-FL-ARG283-Series.	Acetylene	:	44-S-PR-HF-FL-ACY284-Series.

These regulators have been made by all SS Material 316L, as per IS 6901:2009 Standard.



**High Flow PRV, MOC :
SS, Flange Type**



**Piston Type High
Pressure Line Regulator**

High Pressure Piston type fine control Line Regulator, Small Body Type. **Metal : SS. CE Approved.** 2 port as per IS Standard with Piston type, **Inlet control port gauge 280 BAR (4061.06 PSI), Outlet pressure 70 BAR (1015.26 PSI). Working pressure 50 Bar (725.19 PSI).** Control seat pin valve, SS 316L. Seat control PTFE with SS piston locking pressure hand tight, 50 Bar (Flow : 5962.02 LPM). Pressure tested by Oxygen gas cylinder, Running hand knob Material (ABS) with fine control threaded type bonnet, Inlet-Locking connection as per gas cylinder, Outlet-Locking as per your requirement.

Various Gas Regulators available with their respective Product Codes are as follows :

AIR	:	44-S-HP-LR-AR285-Series.	Oxygen	:	44-S-HP-LR-OX286-Series.
N ₂ O	:	44-S-HP-LR-NTOX287-Series.	Helium	:	44-S-HP-LR-HE288-Series.
Mix Gas	:	44-S-HP-LR-MXG289-Series.	Hydrogen	:	44-S-HP-LR-HYD290-Series.
CO ₂	:	44-S-HP-LR-COX291-Series.	Nitrogen	:	44-S-HP-LR-NIT292-Series.
Argon	:	44-S-HP-LR-ARG293-Series.	Acetylene	:	44-S-HP-LR-ACY294-Series.

These regulators have been made by all SS Material 316L, as per IS 6901:2009 Standard.

Single Stage Double Gauge SF6 Gas Regulator, **Metal : Brass Chrome Plated. CE Approved.** 6 Port as per IS Standard with Brass Pressure Gauge Regulator, Diaphragm Type, **Inlet Control Port Gauge 200 BAR (2900.75 PSI), Outlet Control Port Gauge 8 BAR (116.03 PSI).** Control Seat Pin Valve, SS 316 L Seat Control PTFE with SS Diaphragm Locking Pressure Hand Tight, 8 Bar (953.92 LPM), Pressure tested by Oxygen Gas Cylinder, Running Knob (MDF) hand with fine control threaded type bonnet, Inlet Pressure Gauge & Outlet Pressure Gauge, **Metal : Brass Chrome Plated.** Inlet-locking Connection as per Gas Cylinder, Outlet Locking Connection as per your requirement.

These Regulator has been made by all Brass Chrome Plated Material, as per IS Standard 6901:2009.

Regulator Code : 44-B-S-SF6-295-Series



Single Stage SF6 Gas Regulator



**Back Connection Regulator
For CO₂ Gas**

Back Connection Regulator For CO₂ Gas... Can Be Used For CO₂ Insufflator.

Back Connection Regulator For CO₂ Gas, Metal : Brass Chrome Plated. **CE Approved.**

Can Be Used For CO₂ Insufflator. Inlet Connection Back Side, 1/4" NPT (F) Port, Outlet Connection vertical Side, 1/4" NPT (F) 1 Port Outlet, Second Port Inbuilt Safety Valve, **Outlet Pressure Control Range 3 BAR, SS Diaphragm, 3 BAR (Flow : 358 LPM).**

These regulators have been made by all Brass Chrome Plated Material, as per IS 6901:2009.

This Regulator is available with its respective Product Code as follows : **CO₂ : 44-B-BCR-INSFL-COX298-Series.**

CO₂ & Nitrox Gas Heater...

The Control Electric Flame Proof CO₂ & N₂O Heater was designed to prevent CO₂ & N₂O regulator freeze-up and avoid cracking the internal gas diaphragm of the CO₂ regulator due to high CO₂ gas flow conditions.

Inlet Pressure 150 BAR / 2175.57 PSI, Outlet Pressure 150 BAR / 2175.57 PSI.

The CO₂ & N₂O Heater is installed between the CO₂ cylinder valve and the CO₂ regulator, and warms the gas stream allowing for increased flow rates without regulator freeze-up. Plastic washers are included with the CO₂ & N₂O Heater to provide a secure connection that prevents tank leakage. The CO₂ & N₂O Heater may be used in conjunction with a Controls CO₂ Regulator or all other CO₂ regulator systems currently available in the marketplace. Key facts about the CO₂ & N₂O Heater :

- Aluminium case and solid brass expansion chamber
 - Warms CO₂ gas to approximately 174°F
 - Completely enclosed heating element
 - Solid brass fittings for CO₂ cylinders.
- 100W / 230 A/c., 50 /60 HZ

Various Gas Regulators available with their respective Product Codes as follows : **CO₂ : 44-E-H-COX299-Series.**

ALSO AVAILABLE N₂O GAS HEATERS. **N₂O : 44-E-H-NTOX300-Series**



CO₂ & Nitrox Gas Heater



**Nitrox Gas Heater
with Regulator**

Nitrox Gas Heater with Regulator...

CO₂ / Nitrox Gas Heater with Double Stage Fine Control Cylinder Regulator, Metal : SS & Brass Chrome Plated. **CE Approved.**

These CO₂ / Nitrox Gas Heater with Double Stage SS / Brass Chrome Plated Regulators are available with their respective Product Codes as follows :

Metal : CO₂ : 44-S-E-H-COX301-Series. N₂O : 44-S-E-H-NTOX302-Series.

Metal : CO₂ : 44-B-E-H-COX303-Series. N₂O : 44-B-E-H-NTOX304-Series.

ALSO AVAILABLE N₂O GAS HEATERS.

Lab Burner...



CE
Lab Burner

JKSEPL Laboratory Burner or Bunsen Burner operates at low pressure. **CE Approved.** These Burners can be supplied either with a nozzle or with a ¼ turn tap complete with nozzle. These Burners are for use in Schools, Colleges & Pharmaceutical Laboratories. Other applications include low output heating of Kettles & Urns.

Gas Sampling Bottle - 500 ml. & 1000 ml.



CE
Gas Sampling Bottle

Gas Sampling Bottle available in 500 ml. & 1000 ml. size with their respective Product Codes as follows :

500 M.L. : 44-S-SMBTL-0.5 K-296-Series.

1000 M.L. : 44-S-SMBTL-1 K-297-Series.

CE Approved.



CE
Lab Piping with Regulators

SS/Brass, Ball Valves & All Types of Fittings



CE
Valves & Fittings



CE
Brass Ball Valves

Our range of Needle Valves and Fittings are employed to manage the flow of substance (gas, liquid or slurry) through these. **CE Approved.**

Some of the salient features of our valves and fittings are as follows:

- Innovative design
- Efficient performance in temperature and pressure
- Maintains efficient flow and flow condition.

We are also well equipped with the requisite machines and tools to help our customers with gas system designs and components selection. Our range of Valves can also be customized for any particular applications. A valve controls the flow of substance (gas, liquid or slurry) through it. The selection of suitable valve depends on a number of aspects.



N2O Manifold 4 in 1 with Co2 Heater & Double Stage SS Regulator



LARS



Double Stage Manifold Brass with Pigtail, Nitrox Gas Heater & Double Stage Regulator



Nitrox Gas Heater With Regulator



Banana Ripening Manifold



CO₂ Gas Heater With Regulator & Manifold



Double Cylinder Trolley with Bracket and Holding Chain



Hyper Flow CO₂ Scrubber (Hyperbaric Chamber CO₂ Scrubbers)



Underwater CCTV Camera



CO₂ Gas Heater With Regulator fitted on Cylinder



Gas Distribution Panel



Gas Purification Panel



Single and Double Knife Switch

Regulator Outlet Manifold



High Pressure High Flow Flange Type Line Regulator, Metal : Brass



**High Pressure High Flow 1" Flange Type
Line Regulator, Metal : Brass**

Dura Regulator, 20 BAR / 30 BAR / 35 BAR



**Dura Regulator, Cap SS, Body
Brass Chrome Plated**

DURA SAFETY RELIEF VALVE



Dura Inlet / Outlet Control Valve



Dura Inlet/Outlet Control Valve

All Type Cylinder Manifold



4+1 Cylinder CO2 Gas Manifold with Heater

4 / 8 / 16 / 20 / 32 / 40 / 54 / 64 Cylinder Quad, Bank & 102 Cylinders Gas



16 Cylinder Gas Quad



**102 Cylinders
Gas Cylinder Cascade**

