

## Single Stage Regulators

### ESAB Single Stage Regulators

Conform To : IS 6901-2009 & BSEN ISO 2503-1998

'B' Series single stage regulators continue the tradition of superior performance in single stage range. The latest materials and advanced component design make these regulators suitable to meet the stringent demands of use in shop-floor as well as outdoor conditions with enhanced safety. ESAB IOX-13B and ESAB IDA-4B are the toughest and most reliable units for oxy fuel gas service. These are provided with two pressure gauges one to indicate outlet pressure & other to inlet pressure. Also available are 'C' series single stage regulators with only one gauge to show the cylinder pressure. The working pressure calibrated on the bonnet can be set by the pressure adjusting knob. A low pressure LPG regulator suitable for Oxy-LPG cutting, Air-LPG equipment and heating applications is also available. The outlet adjustable pressure is 0-1 kg/cm<sup>2</sup>.



Imported safety pressure gauges designed for 300 bar service pressure, confirming to ISO 5171 standards.

### Specifications

Type of Gas	Code Letter	Model	Max. Inlet Pressure (Bar)	Max. Outlet Pressure (Bar)	Max. Flow		Inlet Connection	Outlet Connection	Main Application
					Lit/min	ft <sup>3</sup> /h			
Acetylene	"A"	IDA-4B	40	1	200	423.8	5/8" BSP L/H (Male)	3/8" BSP L/H (Male)	All Welding cutting & heating process
		IDA-4C							
Oxygen	"O"	IOX-13B	300	10	1000	2119	5/8" BSP L/H (Male)	5/8" BSP L/H (Male)	Heavy cutting & heating process
		IOX-13C							
LPG	"P"	LPG-18B	16	1	200	423.8	5/8" BSP L/H (Male)	5/8" BSP L/H (Male)	All Welding cutting & heating process
Nitrogen	"N"	INI-42B	300	10	1000	2119	5/8" BSP L/H (Male)	5/8" BSP L/H (Male)	Pressure, purging & refrigeration

Type of Gas	Code Letter	Model	Max. Inlet Pressure (Bar)	Flow		Inlet Connection	Outlet Connection	Main Application
				Lit/min	ft <sup>3</sup> /h			
CO <sub>2</sub>	"N"	ICO-32B	200	35	74	0.860 x 14 TPI R/H (Female)	3/8" BSP R/H (Male)	MIG
Argon	"N"	IAR-52B	300	25	53	5/8" BSP R/H (Male)	3/8" BSP R/H (Male)	MIG & TIG

\* RH Connections for Oxygen & \*LH Connections for Acetylene & Hydrogen.

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### ESAB IOX-14 Single Stage Oxygen Regulator

Conform To :IS 6901-2009

For extra high performance, this regulator is designed and engineered to a high standard of excellence. With the unique safety and sophistication, this regulator can meet service demands where high flow-oxygen is required. These regulators are suitable for heavy cutting, thermic lancing and light scarfing. Also they are suitable for use with cylinders and pipelines.

**Imported safety pressure gauges designed for 300 bar service pressure, confirming to ISO 5171` standards.**

- Maximum Inlet Pressure 300 bar
- Maximum Outlet Pressure 14 bar
- Maximum Flow (Cylinder) 3500 LPM
- Maximum Flow (Pipeline) 2594 LPM at 14 bar



### Single Stage Argon Flowmeter Regulator

This is a single stage flowmeter regulator, which provides precise regulation and measurement of gas flow. This is well suited for a wide variety of industrial uses.



- Service Pressure: 200 bar
- Rated flow : 25 lit/min.
- Inlet connection : Thread EXT-5/8" BSP RH.
- Outlet connection : Thread EXT-3/8" BSP RH.
- Preset Type : Provides accurate control of gas pressure to the flowmeter.
- Imported safety pressure gauges designed for 250 bar pressure,confirming to ISO 5171 standards.
- Body : Chrome plated