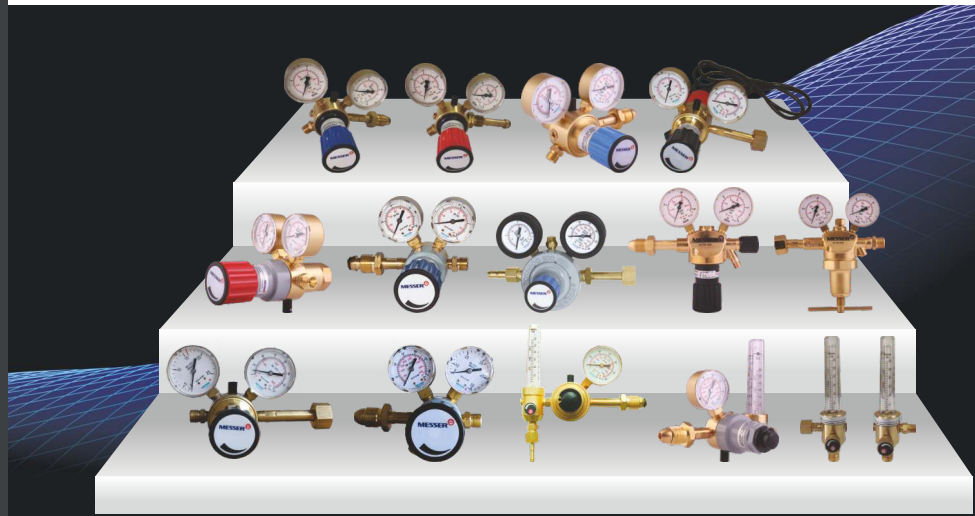


# PRESSURE REGULATORS

RELIABLE, VERSATILE,  
COMPACT &  
INTERNATIONALLY  
PROVEN



## PRODUCT

### Complies to EN ISO 2503

#### S.S. Sintered Central Micro Filter

- + No contamination of Valve Seat
- + No gas leakages

#### Maintenance Free

- + Thick NBR diaphragm
- + Supported by large Backup Plate

#### Accurate Control

- + Minimum pressure fluctuation
- + High flow rates even at low cylinder pressures

#### High Operator Safety

- + Pressure relief valve

#### Strong, Durable & Safe

- + Forged brass body & housing cap
- + Fire-retardant valve seat material

#### Sintered Inlet Filter

- + Prevents dust and contaminants from entering the regulator

## The Complete Range of Tornado Regulators

### TORNADO HEAVY DUTY PRESSURE REGULATOR WITH OUTLET PRESSURE GAUGE



Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Oxygen O <sub>2</sub>	230 bar / 3335 psi	10 bar / 145 psi	77051868	77051748	77051746
Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77051870	77026099	77051762
Propane	25 bar / 360 psi	2.5 bar / 37 psi	77053941*	77051780	77051778
Hydrogen H <sub>2</sub>	230 bar / 3335 psi	10 bar / 145 psi	77051874	77051796	77051794
Nitrogen N <sub>2</sub>	230 bar / 3335 psi	10 bar / 145 psi	77051880	77051844	77051842
Helium He	230 bar / 3335 psi	10 bar / 145 psi	77051882	77051860	77051858
Argon Ar	230 bar / 3335 psi	10 bar / 145 psi	77051807	77051812	77051810

With unique pressure locking facility



**TORNADO 20BAR PRESSURE REGULATOR FOR GENERAL APPLICATION**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Oxygen O <sub>2</sub>	230 bar / 3335 psi	20 bar / 290 psi	77021302	On Request	On Request



**TYPHOON PRESSURE REGULATOR FOR GENERAL APPLICATION**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Oxygen O <sub>2</sub>	230 bar / 3335 psi	10 bar / 145 psi	77021059	77021112	77021111
Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77021063	77021114	77021113
Propane	25 bar / 360 psi	2.5 bar / 37 psi	77021071*	77021116	77021115



**TYPHOON DOUBLE STAGE REGULATORS**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77025081	77025108	77025109
N <sub>2</sub> / Ar	230 bar / 3335 psi	10 bar / 145 psi	77025082	77025096	77025097
Oxygen O <sub>2</sub>	230 bar / 3335 psi	10 bar / 145 psi	77025083	77025093	77025094
Propane	25 bar / 360 psi	2.5 bar / 37 psi	77025084*	77025111	77025112



**TORNADO 300 REGULATORS - HIGH FLOW 0-250M<sup>3</sup> / Hr. 20 BAR OUTLET PRESSURE**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Oxygen O <sub>2</sub>	230 bar / 3335 psi	20 bar / 290 psi	77053037	77053095	On Request
Argon Ar	230 bar / 3335 psi	20 bar / 290 psi	77053103	77053105	On Request
CO <sub>2</sub>	100 bar / 1450 psi	20 bar / 290 psi	77053207	77053209	On Request
Nitrogen N <sub>2</sub>	230 bar / 3335 psi	20 bar / 290 psi	77053217	77053219	On Request
Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77053047	77053049	On Request
Propane	25 bar / 360 psi	2.5 bar / 37 psi	77053057*	77053035	On Request



**TORNADO PLUS PRESSURE REGULATOR WITH OUTLET PRESSURE GAUGE**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Oxygen O <sub>2</sub>	230 bar / 3335 psi	10 bar / 145 psi	71622050	80830894	80830898
Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	71622086	80830895	80830899
Propane	25 bar / 360 psi	2.5 bar / 37 psi	71622118*	80831030	80831031

\*To be used with PROPANE Cylinder Adapters



**CONSTANT 2000 WITH HIGH PRESSURE**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Nitrogen N <sub>2</sub>	200 bar / 2900 psi	100 bar / 1450 psi	71620359	On Request	On Request
Nitrogen N <sub>2</sub>	200 bar / 2900 psi	150 bar / 2175 psi	71620360	On Request	On Request
Nitrogen N <sub>2</sub>	200 bar / 2900 psi	200 bar / 2900 psi	71620361	On Request	On Request



**CONSTANT 2000**

Gas Type	Inlet Pressure	Outlet Pressure	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Hydrogen H <sub>2</sub>	200 bar / 2900 psi	10 bar / 145 psi	71620110	On Request	On Request
Oxygen O <sub>2</sub>	200 bar / 2900 psi	10 bar / 145 psi	71620250	On Request	On Request
Oxygen O <sub>2</sub>	200 bar / 2900 psi	20 bar / 290 psi	71620250MOD	On Request	On Request
Oxygen O <sub>2</sub>	200 bar / 2900 psi	50 bar / 725 psi	71620362	On Request	On Request
Oxygen O <sub>2</sub>	200 bar / 2900 psi	100 bar / 1450 psi	71620363	On Request	On Request
Nitrogen N <sub>2</sub>	200 bar / 2900 psi	20 bar / 290 psi	71620357	On Request	On Request
Nitrogen N <sub>2</sub>	200 bar / 2900 psi	50 bar / 725 psi	71620358	On Request	On Request
Compressed Air	200 bar / 2900 psi	10 bar / 145 psi	71620141MOD	On Request	On Request
Compressed Air	200 bar / 2900 psi	20 bar / 290 psi	71620142MOD	On Request	On Request

**WELDING REGULATOR AND FLOWMETERS**



**HEAVY DUTY CYLINDER PRESSURE REGULATORS WITH OUTLET SINGLE FLOWMETER**

Gas Type	Inlet Pressure	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Argon Ar	230 bar / 3335 psi	30 L/min	77052128	77052132	77052130
CO <sub>2</sub>	100 bar / 1450 psi	30 L/min	77052134	77052138	77052136
Nitrogen N <sub>2</sub>	230 bar / 3335 psi	30 L/min	77052140	77052144	77052142
Hydrogen H <sub>2</sub>	230 bar / 3335 psi	30 L/min	77052146	77052150	77052148



**TORNADO HEAVY DUTY PRESSURE REGULATOR WITH OUTLET FLOW GAUGE**

Gas Type	Inlet Pressure	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Argon Ar	230 bar / 3335 psi	32 L/min	77052018	77052026	77052022
CO <sub>2</sub>	100 bar / 1450 psi	32 L/min	77052030	77052038	77052034

With unique flow locking facility



**TYPHOON PRESSURE REGULATOR WITH OUTLET FLOW GAUGE**

Gas Type	Inlet Pressure	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
CO <sub>2</sub>	100 bar / 1450 psi	32 L/min	77021779	On Request	On Request
Argon Ar	230 bar / 3335 psi	32 L/min	77021780	On Request	On Request



**TYPHOON REGULATOR WITH FLOWMETER**

Gas Type	Inlet Pressure	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Argon Ar	230 bar / 3335 psi	30 L/min	77021093	77021129	77021128
CO <sub>2</sub>	100 bar / 1450 psi	30 L/min	77021097	77021132	77021131



**TYPHOON DOUBLE STAGE REGULATOR WITH FLOWMETER (GAS SAVER)**

Gas Type	Inlet Pressure	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Argon Ar	230 bar / 3335 psi	30 L/min	77025113	77025114	77025115
CO <sub>2</sub>	100 bar / 1450 psi	30 L/min	77025116	77025117	77025118



**TORNADO LILLIPUT SERIES REGULATORS**

Gas Type	Inlet Pressure	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Argon Ar + CO <sub>2</sub>	230 bar / 3335 psi	30 L/min	77053951	77021043	77026008
Argon Ar	230 bar / 3335 psi	30 L/min	77053952	77021041	77026006
CO <sub>2</sub>	100 bar / 1450 psi	30 L/min	77053953	77021042	77026007



**FLOWMETER**

Gas Type	Outlet Flow	Product Code BSP	Product Code CGA	Product Code BSP / UNF
Argon Ar + CO <sub>2</sub>	30 L/min	77052924MOD	77052930	77052930
Argon Ar + CO <sub>2</sub>	30 L/min	77050659	77050660	77050660



**SHIELDING GAS SAVER**

Connection	Preset Outlet Pressure	Articel Number
G 1/4" RH	1.2 bar	77021983
G 3/8" RH	1.2 bar	77021984

During the welding process, an overpressure builds up between the pressure reducer and the welding device before and after each ignition process. During ignition, the pressure is released abruptly and only the previously set flow rate is regulated.

The shielding gas saver is designed to eliminate overpressure at the start of the welding process and ensure constant flow and pressure.

Reducing the overpressure at the beginning of each MIG/MAG welding process reduces the amount of gas escaping during each ignition process. With every bit of gas you save, you directly reduce your costs and thus you save money!

Furthermore, no excess gas penetrates into the liquid weld metal, thus no pores or inclusions are formed: The quality of the weld seam is increased!