



The Whole World of Oxyfuel Technology



Flame Gouging

The Original - the Source of Safety

The Adolf Messer GmbH, founded in 1898, developed the first oxyfuel torches for welding and cutting. The company became the worldwide known gas and welding technology manufacturer Messer Griesheim GmbH. In 1999 the welding and cutting technology activities were merged in the Messer Cutting & Welding GmbH, and have been integrated into the MBCHolding GmbH in 2000. Since February 2005 MEC Holding GmbH becomes part of the Messer world.

The many years of co-operation with the gas companies have given us high competency in the application of technical and high-purity gases. At the Frankfurt /Main location Messer Cutting & Welding combines many years of experience in welding and process technology with innovation, quality and reliability. The wide range of products offers solutions for almost every case of application. Messer quality stands out due to its economic efficiency and long service life.

It is our prior objective to create maximum benefit for the customer. We achieve this by using the knowledge of our customers requirements, high technical competency and flexible, innovative products. We take the highest quality measures for granted, already since 1991 all company processes have been subjected to quality monitoring in accordance with DIN ISO9001.



Rivet Head Cutting

Oxyfuel Technology

This catalogue gives you an overview of our complete range of products for oxyfuel welding and cutting. In addition to this we offer extensive systems in the areas of heating technology and oxyfuel equipment for the steel industry. Our product portfolio is rounded off with proven Messer welding fillers, as well as MIG/MAG and TIG welding machines.

Training Sessions

Detailed product and repair training means that our customers are always up to date on the latest state of the art technology. Information on our training sessions and dates can be obtained.

Application Technology

Our specialist advisers are available with their professional knowledge and many years of experience for advice on application technology and to present our products in practical use.

Pressure Regulators (EN ISO 2503)

Reliable, Versatile, Compact & Internationally Proven

Save Gases by Using Facility to Lock Pressure & Flow



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

Heavy Duty Cylinder Pressure Regulators

The Complete Range of Tornado Regulators

TORNADO HEAVY DUTY PRESSURE REGULATOR WITH OUTLET PRESSURE GAUGE

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Pressure	Product Code
R/B-O 200/10	BSP	Oxygen O ₂	230 bar / 3335 psi	10 bar / 145 psi	77051868
R/B-A 25/1.5	BSP	Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77051870
R/UB-P 25/2.5	BSP	LPG/BMCG/Propane	25 bar / 360 psi	2.5 bar / 37 psi	77053941*
R/B-H 200/10	BSP	Hydrogen H ₂	230 bar / 3335 psi	10 bar / 145 psi	77051874
R/B-N 200/10	BSP	Nitrogen N ₂	230 bar / 3335 psi	10 bar / 145 psi	77051880
R/B-He 200/10	BSP	Helium He	230 bar / 3335 psi	10 bar / 145 psi	77051882
R/B-Ar 200/10	BSP	Argon	230 bar / 3335 psi	10 bar / 145 psi	77051807

With unique pressure locking facility



TORNADO HEAVY DUTY PRESSURE REGULATOR WITH OUTLET FLOW GAUGE

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Flow	Product Code
RSFG/B-Ar	BSP	Ar Argon	230 bar / 3335 psi	32 L/min	77052018
RSFG/B-C	BSP	CO ₂	100 bar / 1450 psi	32 L/min	77052030

With unique flow locking facility





HEAVY DUTY CYLINDER PRESSURE REGULATORS WITH OUTLET SINGLE FLOW-METER

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Flow	Product Code
RFM/B-Ar	BSP	Ar Argon	230 bar / 3335 psi	1x30 L/min	77052128
RFM/B-C	BSP	CO ₂	100 bar / 1450 psi	1x30 L/min	77052134
RFM/B-N	BSP	N ₂ Nitrogen	230 bar / 3335 psi	1x30 L/min	77052140
RFM/B-H	BSP	H ₂ Hydrogen	230 bar / 3335 psi	1x30 L/min	77052146

TORNADO LILLIPUT SERIES REGULATORS

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Flow	Product Code
W/B LILLIPUT- A+C	BSP	Ar + CO ₂	230 bar / 3335 psi	32 L/min	77053951
W/B LILLIPUT - A	BSP	Ar	230 bar / 3335 psi	32 L/min	77053952
W/B LILLIPUT - C	BSP	CO ₂	230 bar / 3335 psi	32 L/min	77053953

TORNADO CO₂ REGULATOR PREHEATER

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Flow	Product Code
RSFG/B-C	BSP	CO ₂	100 bar / 1450 psi	32 L/min	77026098
RFME/B-C	BSP	CO ₂	100 bar / 1450 psi	32 L/min	77052900

FLOWMETER

TORNADO Type	Standard	Gas Type	Outlet Flow	Product Code
FMRN/B-AR/C	BSP	Ar + C	32 L/min	77052924MOD
FM-95 / B-X AR/CO2	BSP	Ar + C	32 L/min	77050659

TYPHOON PRESSURE REGULATOR FOR GENERAL APPLICATION

Typhoon Type	Standard	Gas Type	Inlet Pressure	Outlet Pressure	Product Code
B/S-O	BSP	Oxygen	230 bar / 3335 psi	10 bar / 145 psi	77021059
B/S-A	BSP	Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77021063
B/S-P	BSP	LPG / BMCG	25 bar / 360 psi	2.5 bar / 37 psi	77021071

TYPHOON DOUBLE STAGE REGULATORS

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Pressure	Product Code
DL/B-ACETYLENE	BSP	Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	77025081
DL/B-N ₂ /AR	BSP	N ₂ / Ar	230 bar / 3335 psi	10 bar / 145 psi	77025082
DL/B-O ₂	BSP	Oxygen O ₂	230 bar / 3335 psi	10 bar / 145 psi	77025083
DL/B-PROPANE	BSP	LPG/PROPANE	25 bar / 360 psi	2.5 bar / 37 psi	77025084

TORNADO 300 REGULATORS - HIGH FLOW 0-250M³ / Hr. 20 BAR OUTLET

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Pressure	Product Code
RST/B - O	BSP	OXYGEN	300 bar / 4350 psi	20 Bar	77053037
RST/B - AR	BSP	ARGON	300 bar / 4350 psi	20 Bar	77053103
RST/B - C	BSP	CO ₂	300 bar / 4350 psi	20 Bar	77053207
RST/B - N	BSP	NITROGEN	300 bar / 4350 psi	20 Bar	77053217
RSH/B - A	BSP	ACETYLENE	300 bar / 4350 psi	1.5 Bar	77053047
RSH/B - LPG	BSP	LPG/PROPANE	300 bar / 4350 psi	2.5 Bar	77053057

*To be used with LPG / BMCG Cylinder Adopters



MESSER
Cutting Systems


**WORLD OF
EXCELLENCE**

Imported & Marketed in India by:

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