

THE ORIGINAL

The Whole World of

Oxyfuel Technology



Product Range

Part of the Messer World 

The Original - the Source of Safety



The Adolf Messer GfmbH, 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 EN ISO 9001.

Oxyfuel Technology

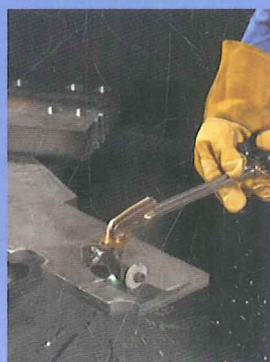
This catalogue gives you an overview of our complete range of products for oxyfuel welding and cutting. In addition to this we offer extensive systems in the areas of heating technology and oxyfuel equipment for the steel industry. Our product portfolio is rounded off with proven Messer welding fillers,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



The New Generation Nozzle Mixing Technology
(Same Torch can be used for Acetylene/LPG/*BMCG)

Absolute Safety

High resistance to back fires

Tough

90° Solid Forged Brass Head

Balanced Weight

Comfortable working for continuous operation

Torch weight 1050 gms., length 510mm
(Also Available in 1000mm & 1500mm Length)

Durable

Rugged design ensures maximum strength

Accurate

Precise flow rates

Heavy duty applications even at low cylinder pressures

Cutting range : 3 - 300mm

Excellent Cutting Quality

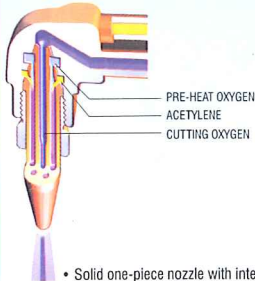
Reduced Post Cut Grinding Operation



The Powerful Hand Cutting Torch

THE SAFEST ARRANGEMENT FOR GAS CUTTING MILD STEEL

ANME NOZZLE MIXED FLAME CUTTING NOZZLES FOR ACETYLENE

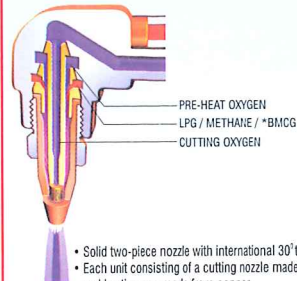


- Solid one-piece nozzle with international 30° tapered seat.
- Nozzle Mixing Principle for mixing preheat oxygen and acetylene by 6 separate injectors within the nozzle.



THE SAFEST ARRANGEMENT FOR CUTTING MILD STEEL

PNME NOZZLE MIXED FLAME CUTTING NOZZLES FOR PROPANE (LPG), METHANE (NATURAL GAS) / *BMCG



- Solid two-piece nozzle with international 30° tapered seat.
- Each unit consisting of a cutting nozzle made from brass and heating cap made from copper.
- Nozzle Mixing Principle for mixing preheat oxygen and LPG by 3 separate injectors within the nozzle.



SETTING TABLE FOR ANME CUTTING NOZZLES

ANME Nozzle	Workpiece Thickness		Product Code	Oxygen Pressure		Acetylene Pressure		Oxygen Consumption		Acetylene Consumption		Nozzle Clearance	
Size	(mm)	(Inches)		(bar)	(p.s.i.)	(bar)	(p.s.i.)	(m³/h)	(c.f.h)	(m³/h)	(c.f.h)	(mm)	(Inches)
1/32	3-6	1/8-1/4	MS71616122	2,0	29	≥ 0,5	≥ 8	1,2	42	0,5	17	3-5	0,1-0,2
3/64	6-20	1/4-3/4	MS71616123	2,5	37			2,8	84	0,6	21		
1/16	20-75	3/4-3	MS71616124	3,5	51			4,8	168	0,7	25		
5/64	75-125	3-5	MS71616125	4,0	58			7,8	273	0,8	28	5-10	0,2-0,4
3/32	125-175	3-7	MS71616126	4,5	65			10,2	357	0,9	32		
7/64	175-225	7-9	MS71616128	5,5	80	≥ 0,8	≥ 12	24,5	861	1,0	35		
1/8	225-300	9-12	MS71616127	6,5	94			30,1	1058	1,2	42	10-15	0,4-0,6

*Select nozzle as per cutting thickness

FUEL GAS PROPANE / BMCG PNME CUTTING NOZZLES

PNME Nozzle	Workpiece Thickness		Product Code	Oxygen Pressure		Propane Pressure		Oxygen Consumption		Propane consumption		Nozzle Clearance	
Size	(mm)	(Inches)		(bar)	(p.s.i.)	(bar)	(p.s.i.)	(m³/h)	(c.f.h)	(m³/h)	(c.f.h)	(mm)	(Inches)
1/32	3-6	1/8-1/4	MS71616140	2,0	29	≥ 0,5	≥ 8	2,2	77	0,4	14	3-5	0,1-0,2
3/64	6-20	1/4-3/4	MS71616141	3,0	44			4,3	151				
1/16	20-75	3/4-3	MS71616142	4,0	58			7,7	271			5-10	0,2-0,4
5/64	75-125	3-5	MS71616143	4,5	65			11,6	408	0,5	18		
3/32	125-175	5-7	MS71616144	5,0	73			17,8	626	0,6	21		
7/64	175-225	7-9	MS71616145	5,5	80	≥ 0,8	≥ 12	25,5	879	0,7	25	10-15	0,4-0,6
1/8	225-300	9-12	MS71616146	6,0	87			34,1	1199	0,9	32		

*Select nozzle as per cutting thickness

GAS-MIXING GOUGING NOZZLES for fuel gas acetylene

	Type	Size	Product Code		Type	Size	Product Code
	AGNM-S straight	1/8	MS71616230		AGNM-C curved	1/8	MS71616233
		3/16	MS71616231			3/16	MS71616234
		1/4	MS71616232			1/4	MS71616235

PROFI Cut H - H8607B - Top lever: Product Code - MS71606005 • **H8607B - Bottom lever:** Product Code - MS71607125

SAFEST DESIGN	LONG LIFE	GAS ECONOMY
Features	Benefits	
Increased Nozzle Clearance	• Minimal Nozzle Wear, hence Extended Nozzle Life	
High Precision Nozzle Design	• Modern Jet Design gives Economical Cutting Oxygen Consumption • Highly focussed and Stable Preheating flame, each time the torch is lighted. Gives High Speed Preheating resulting in saving both oxygen & fuel gas consumption	

BMCG: Bharat Metal Cutting Gas

For Flame Cutting and Flame Gouging

Reliable, Versatile & Compact Internationally Proven

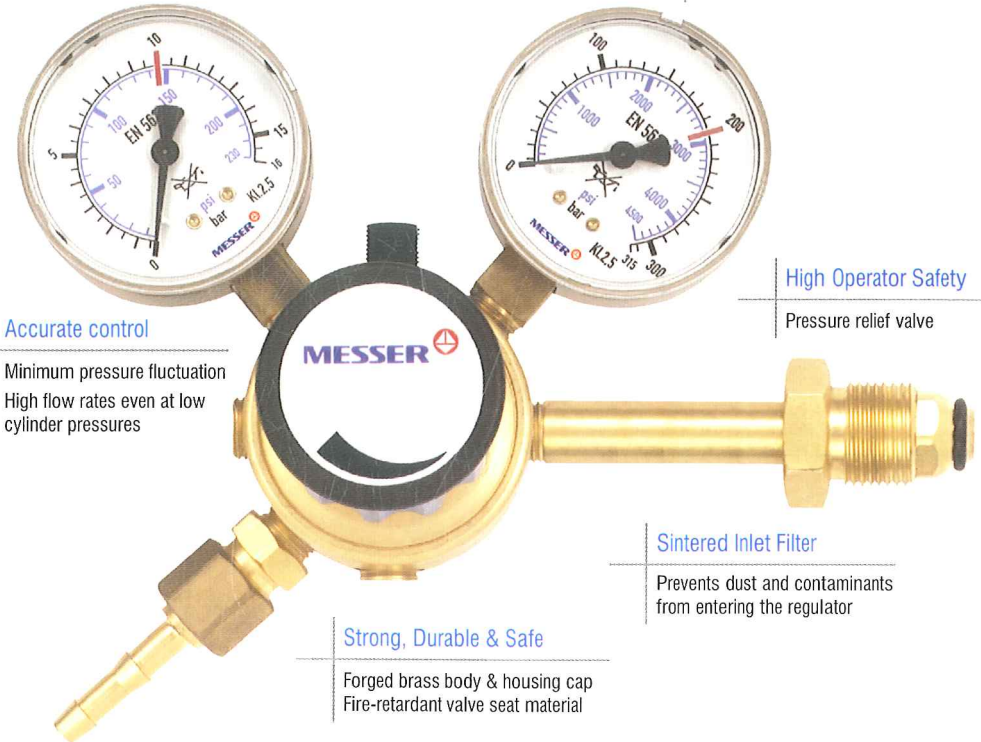
Save Gases by Using Facility to Lock Pressure & Flow

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

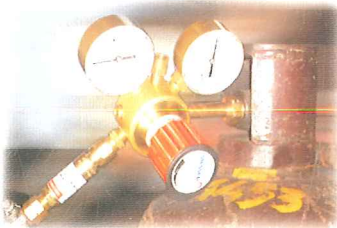
Pressure relief valve

Sintered Inlet Filter

Prevents dust and contaminants
from entering the regulator

Strong, Durable & Safe

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



Heavy Duty

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	200 bar / 2900 psi	10 bar / 145 psi	MS77051868
R/B-A 25/1.5	BSP	Acetylene	25 bar / 365 psi	1.5 bar / 22 psi	MS77051870
R/UB-P 25/2.5	BSP	LPG/BMCG/Propane	25 bar / 365 psi	2.5 bar / 37 psi	MS77053941*
R/B-H 200/10	BSP	Hydrogen H ₂	200 bar / 2900 psi	10 bar / 145 psi	MS77051874
R/B-N 200/10	BSP	Nitrogen N ₂	200 bar / 2900 psi	10 bar / 145 psi	MS77051880
R/B-He 200/10	BSP	Helium He	200 bar / 2900 psi	10 bar / 145 psi	MS77051882
R/B-AR 200/10	BSP	Argon	200 bar / 2900 psi	10 bar / 145 psi	MS77051807

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	200 bar / 2900 psi	32 L/min	MS77052018
RSFG/B-C	BSP	Co ₂	100 bar / 1450 psi	32 L/min	MS77052030

with unique flow locking facility

TYPHOON PRESSURE REGULATOR FOR GENERAL APPLICATION

Typhoon Type	Standard	Gas Type	Inlet Pressure	Outlet Pressure	Product Code
B/S-O	BSP	Oxygen	200 bar / 2880 psi	10 bar / 145 psi	MS77021059
B/S-A	BSP	Acetylene	25 bar / 360 psi	1.5 bar / 22 psi	MS77021063
B/S-P	BSP	LPG / BMCG	25 bar / 365 psi	2.5 bar / 37 psi	MS77021071

TORNADO LILLIPUT SERIES

TORNADO Type	Standard	Gas Type	Inlet Pressure	Outlet Flow	Product Code
W/B LILLIPUT- A + C	BSP	Ar + Co ₂	200 bar / 2900 psi	32 L/min	MS77053951
W/B LILLIPUT - A	BSP	Ar	200 bar / 2900 psi	32 L/min	MS77053952
W/B LILLIPUT - C	BSP	Co ₂	200 bar / 2900 psi	32 L/min	MS77053953

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	200 bar / 2900 psi	1x30 L/min	MS77052128
RFM/B-C	BSP	Co ₂	100 bar / 1450 psi	1x30 L/min	MS77052134
RFM/B-N	BSP	N ₂ Nitrogen	200 bar / 2900 psi	1x30 L/min	MS77052140
RFM/B-H	BSP	H ₂ Hydrogen	200 bar / 2900 psi	1x30 L/min	MS77052146

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	200 bar / 2900 psi	20 Bar	MS77053037
RST/B - AR	BSP	ARGON	200 bar / 2900 psi	20 Bar	MS77053103
RST/B - C	BSP	Co ₂	200 bar / 2900 psi	20 Bar	MS77053207
RST/B - N	BSP	NITROGEN	200 bar / 2900 psi	20 Bar	MS77053217

*To be used with LPG / BMCG Cylinder Adaptors

BMCG: Bharat Metal Cutting Gas



Flashback Arrestor

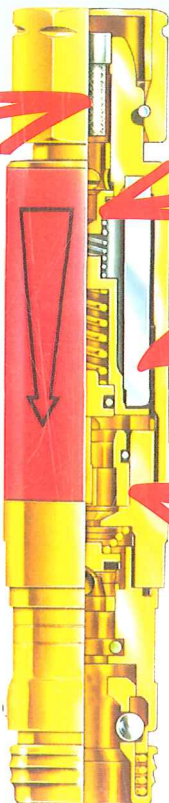
World Class Safety Equipment

Safety you can rely on with our reputation behind it



Filter

Made from corrosion resistant steel



Non-return Safety Valve

Inhibits reverse gas flow

Flame Arrestor

Made from sintered stainless steel
arrests flashbacks reliably

Fire protection element

It has a built in auto cut-out which
automatically shuts off the gas supply



GT 1/4"



GG 91 3/8"



DGN 3/8"



DG 91 N 3/8"



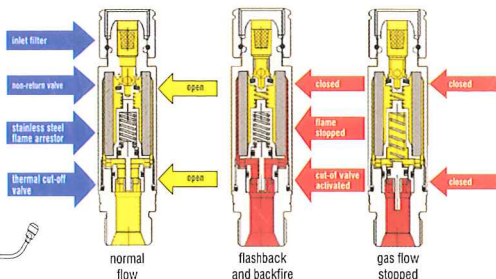
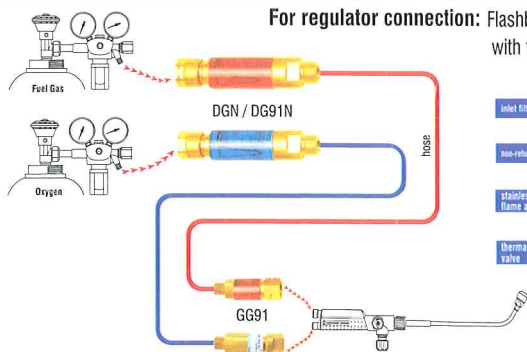
DG 91 N 1/2"

Recommended For Heating, Brazing and Cutting Torch

The right connection for all gas applications

FLASHBACK ARRESTOR PLACEMENT

FLASHBACK ARRESTOR FUNCTIONING



FLASHBACK ARRESTORS FOR CUTTING HEATING AND BRAZING TORCHES

Model	Description	Connections	Product Code
DGN-Fuel	Flashback Arrestor Regulator side Fuel Gas (LPG / DA / BMCG)	G 3/8" LH	MS0463385
DGN-Oxy	Flashback Arrestor Regulator side Oxygen	G 3/8" RH	MS0463387
GG 91 Fuel	Flashback Arrestor Torch side Fuel Gas (LPG / DA / BMCG)	G 3/8" LH	MS0463388
GG 91 Oxy	Flashback Arrestor Torch side Oxygen	G 3/8" RH	MS0463390
GT Oxy	Flashback Arrestor Torch side Oxygen Gas	G 1/4" RH	MS0463393
GT Fuel	Flashback Arrestor Torch side Fuel Gas (LPG / DA / BMCG)	G 1/4" LH	MS0463393MODLH
DG 91N Fuel	Flashback Arrestor Regulator side Fuel Gas (LPG / DA / BMCG)	G 3/8" LH	MS0463829
DG 91N Oxy	Flashback Arrestor Regulator side Oxygen	G 3/8" RH	MS0463832
DG 91N Fuel	Flashback Arrestor Regulator side Fuel Gas (LPG / DA / BMCG)	G 1/2" LH	MS0463830
DG 91N Oxy	Flashback Arrestor Regulator side Oxygen	G 1/2" RH	MS0463833

FLASHBACK ARRESTORS FOR MACHINE CUTTING TORCHES

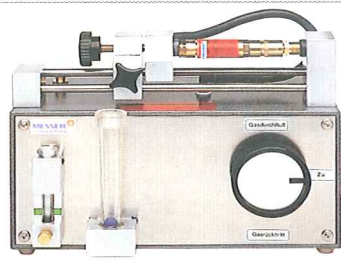
Description	Connections	Product Code
Flashback arrestor for heating oxygen	G 1/4" RH	MS0647583
Flashback arrestor for cutting oxygen	G 3/8" RH	MS0647584
Flashback arrestor for fuel gas (LPG / DA / BMCG)	G 3/8" LH	MS0346364

PVGD & PVHD testing M/c

- We provide testing & cleaning facility of FBA by Messer make PVGD & PVHD testing machines as per procedure laid by Messers germany.

Flashback arrestor DGN are manufactured in accordance with EN 730, they have flame arrestor, automatic gas cut out. **BAM approved & UL Certified**

Flashback arrestor GG/91 are manufactured in accordance with EN 730, they have flame arrestor. **BAM approved & UL Certified**



BMCG: Bharat Metal Cutting Gas

New Generation Multi Purpose Torch

New Monoblock Valve

For higher flow rates and precise adjustment.

High Operational Safety

Injector Mixing Principle
Backfire & Backflow resistant

High Gas Flow Rates

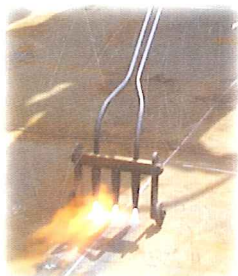
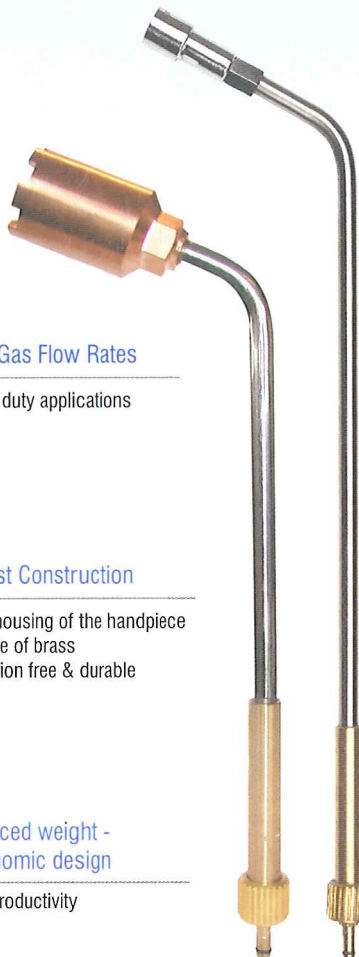
Heavy duty applications

Robust Construction

Valve housing of the handpiece
is made of brass
Corrosion free & durable

Balanced weight - Ergonomic design

High productivity




Heating, Welding, Brazing and Flame Straightening


Starlight Heating Torches for Fuel Gas Acetylene & LPG

 Starlight Handle	FB-5	Type	Description	Connections	Product Code	Gas	
		1302 MB	Starlight Handle	BSP: G3 / 8RH-G3/8LH	MS71605976	LPG - Propane / C2 H ₂ - Acetylene / BMCG	
	HF-12	Size	O ₂ -Consumption	Overall length approx.	Product Code tip complete	Product Code heating nozzle	Gas
		FB5	0.5 - 0.9 m ³ /h	430 mm	MS71651809	MS71600725	Acetylene
		HF12	5 - 12 m ³ /h	430 mm	MS71651722	MS71605646	LPG / BMCG / Propane


Star Heating Torches for Fuel Gas Acetylene & LPG

 Star Handle	FB-9	Type	Description	Connections	Product Code	Gas	
		2020 MB	Star Handle	BSP: G3 / 8RH-G3 / 8LH	MS71607230	LPG - Propane / C2 H ₂ - Acetylene / BMCG	
	HF-14	Size	O ₂ -Consumption	Overall length approx.	Product Code tip complete	Product Code heating nozzle	Gas
		FB9	3,1 - 6,7 m ³ /h	880 mm	MS71600759	MS71600779	Acetylene
		HF14	13 - 35 m ³ /h	880 mm	MS71605644	MS71605648	LPG / BMCG / Propane


MIXING TUBE WITH HAMMERED FINISH BRAZING AND HEATING NOZZLE, CENTRAL FLAME OUTLET

 S-P	Size	O ₂ -Consumption	Overall length approx.	Product Code tip complete	Product Code heating nozzle	Gas
	4	500 l/h	207 mm	MS71606494	MS71606484	LPG / BMCG / Propane
	5	800 l/h	245 mm	MS71606495	MS71606485	LPG / BMCG / Propane
	6	1.250 l/h	266 mm	MS71606496	MS71606486	LPG / BMCG / Propane

MIXING TUBE WITH HAMMERED FINISH WELDING, BRAZING AND HEATING NOZZLE, CENTRAL FLAME OUTLET

 S-A	Size	O ₂ -Consumption	Welding Range	Product Code tip complete	Product Code heating nozzle	Gas
	4	500 l/h	4,0 - 6,0 mm	MS71605054	MS71605044	Acetylene
	5	800 l/h	6,0 - 9,0 mm	MS71605055	MS71605045	Acetylene
	6	1.250 l/h	9,0 - 14,0 mm	MS71605056	MS71605046	Acetylene

FLAME STARGHTENING TORCH

	Product Code	Product Description
	MS71606811	FLAME STRAIGHTENING TORCH Z3 A 4-6MM
	MS71606813	FLAME STRAIGHTENING TORCH Z5 A 4-6MM

SPARE NOZZLE (OF FLAME STARGHTENING TORCH) MS24234410

BMCG: Bharat Metal Cutting Gas

The Universal Needle Injector Brazing Torch



Accurate Flame Control

By adjustable injector needle valve

Slim Design

Excellent torch handling

Torch Details :

Torch set ALLGAS 2003 *A/PMYF* for fuel gas Acetylene with :

5 acetylene nozzles size 25-A, 50-A, 75-A, 100-A and 150-A/2 acetylene nozzles 100-A & 150-A nozzle holder, hexagon nuts and nipples for hoses and operating instructions Product Code : MS71651668

Torch set ALLGAS 2003 *A/PMYF* for fuel gas LPG/BMCG with :



5 LPG nozzles size 25-P, 50-P, 75-P, 100-P and 150-P / 2 LPG nozzle 100-P & 150-P nozzle holder, nuts and nipples for hoses and operating instructions Product Code : MS71651669

Nozzle-spanner/nozzle-holder Product Code : MS71651739

Durable

Impact resistant plastic handle

Nozzle Details :

ALLGAS 2003 Nozzle Size / Type		Gas- service	Product Code	Welding Range [mm]	Operating Pressures		Flow Rates	
					Oxygen [bar]	Fuel Gas [bar]	Oxygen [L/h]	Fuel Gas [L/h]
	25-A	Acetylene	MS71651670	0.2 - 0.5	0.5 - 0.8	0.3	30 - 90	30 - 90
	50-A		MS71651671	0.5 - 0.8	0.8 - 1.0		40 - 130	40 - 130
	75-A		MS71651672	1.0 - 1.5	1.0 - 1.5		60 - 200	60 - 200
	100-A		MS71651673	1.5 - 2.0	1.5 - 2.0		80 - 250	80 - 250
	150-A		MS71651674	2.0 - 2.5	2.0 - 2.5		100 - 300	100 - 300
	25-P	LPG / BMCG (Propane)	MS71651675	0.2 - 0.5	0.5 - 0.8	0.2	30 - 90	1 - 25
	50-P		MS71651676	0.5 - 0.8	0.8 - 1.0		40 - 130	11 - 35
	75-P		MS71651677	1.0 - 1.5	1.0 - 1.5		60 - 200	16 - 55
	100-P		MS71651678	1.5 - 2.0	1.5 - 2.0		80 - 250	22 - 70
	150-P		MS71651679	2.0 - 2.5	2.0 - 2.5		100 - 300	27 - 83

GAS Economizer

For Saving Oxygen, Fuel Gas, Time and Torch Wear

Robust Construction

Greater efficiency and safer operation

Pilot Flame

Easy restart of torch without resetting of flame

Easy Installation

Can be fitted on any work bench or wall bracket



Propane / LPG / BMCG



Acetylene



Gas Economizer for Minitherm

It discontinues automatically the supply of oxygen and fuel gas to the torch when the torch is placed on the hook during the intervals between operations. The flame does not require re-setting on resuming operations. When the torch is unhooked, the full gas flow supply is released and the previous mixing ratio is maintained.

Absolutely necessary whenever work involves frequent temporary stoppages; as in production brazing.

Greatly improves brazing efficiency & productivity and economy in gas consumption.

- Designed in accordance to the most current internationally recognized standards EN ISO, BSP, CGA and NFS.
- Manufactured under the quality management system of EN ISO 9001.
- 100% tested before dispatch.
- Principally designed for general workshop welding, heating and brazing upto 3,5 bar / 51 psi oxygen pressure.
- Simple to fit to any work bench or wall bracket with angle mounting bracket supplied.

Gas Economizer Type	Product Code	Inlet/Outlet Connection Standard	Gas Service	Inlet Connection Oxygen	Inlet Connection Fuel Gas	Outlet Connection Oxygen	Outlet Connection Fuel Gas
IGE / B-A	MS71606431	BSP	Acetylene	G 3/8" RH (M)	G 3/8" LH (M)	G 3/8" RH (M)	G 3/8" LH (M)
IGE / B-P	MS71606436	BSP	LPG / BMCG	G 3/8" RH (M)	G 3/8" LH (M)	G 3/8" LH (M)	G 3/8" LH (M)
G/E FOR MINITHERM-A	MS71607014MOD	BSP	Acetylene	G 1/4" RH	G 3/8" LH (M)	G 1/4" LH (M)	G 3/8" LH (M)
G/E FOR MINITHERM-P	MS71607015MOD	BSP	LPG / BMCG	G 1/4" RH	G 3/8" LH (M)	G 1/4" LH (M)	G 3/8" LH (M)
G/E FOR MINITHERM-A*	MS71607025	BSP	Acetylene	G 1/4" RH	G 3/8" LH (M)	G 1/4" LH (M)	G 3/8" LH (M)
G/E FOR MINITHERM-P*	MS71607026	BSP	LPG / BMCG	G 1/4" RH	G 3/8" LH (M)	G 1/4" LH (M)	G 3/8" LH (M)

* Minitherm Economizer with **Flame Monitoring** as additional Safety Feature.

BMCG: Bharat Metal Cutting Gas

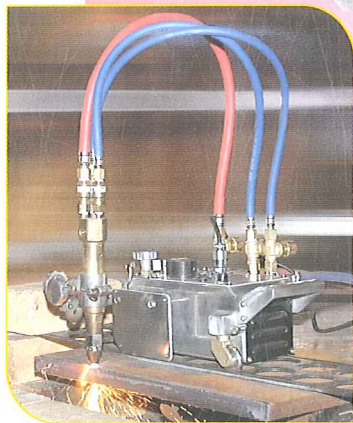
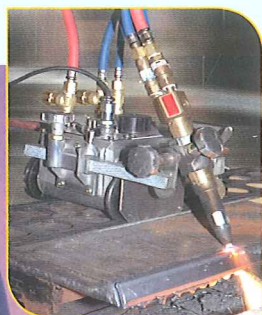
For Acetylene / LPG Gas

HIGH
SPEED

PORTACUT

MESSER
Cutting Systems

Portable Gas Cutting Machine

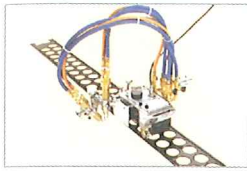


40% Higher Productivity than Conventional Machine
60% Less Post Cutting Grinding Operation
upto 300mm Cutting

The Compact Motor Driven Gas Cutting Machine

Portable automatic gas cutting machine PORTACUT

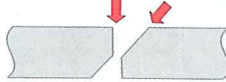
The Low cost alternative for high quality value.



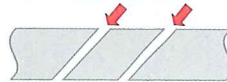
Portacut with 2 torches (optional)

Cutting versatility

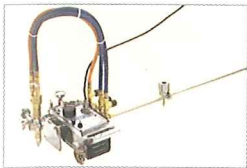
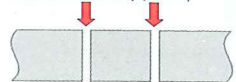
Straight or curve multi-bevel cuts with two torches (optional)



Straight or curve bevel cuts with two torches (optional)

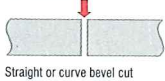


Straight or curve cuts with two torches (optional)

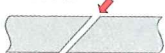


Portacut circle cutting attachment

Straight or curve cuts with one torch



Straight or curve bevel cut with one torch



Portacut with 1 torch (standard) cutting a 300mm slab



Functions control by forward/off/reverse switch, clutch lever and speed adjustment knob.

- Power source: AC 230V, 50/60Hz
- Speed control: Single cone system.
- Cutting thickness: 3-300 mm
- Strip cutting range: 80-300mm
- Motor: Condenser-induction, AC 230V, 10 W
- Weight: 9.5 kg
- Cutting speed: 50-800 mm/min
- Circle cutting : 150-2400mm diameter

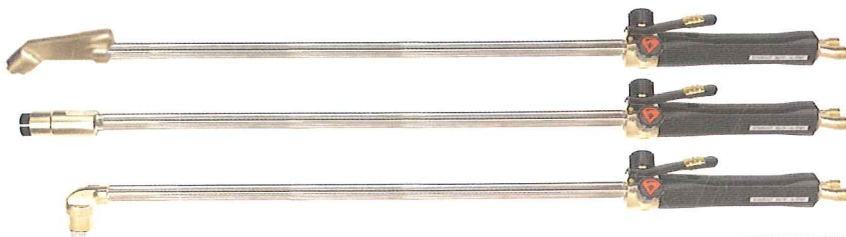
- Portacut machine with 1 injector cutting torch for fuel gas acetylene: MS71651782
- Portacut machine with 1 injector cutting torch for fuel gas propane/natural gas/BMCG: MS71651783
- Rail Track with interlocking sections, length 1200mm: MS71651790
- Rail Track with interlocking sections, length 1800mm: MS71652018

- Injector machine cutting torch MSZ 832/110-A for fuel gas acetylene: MS71651787
- Injector machine cutting torch MSZ 832/110-PMYF for fuel gas propane/natural gas/BMCG: MS71651788

- Adjusting valve for heating oxygen, G 1/4" RH: MS71800500
- Adjusting valve for cutting oxygen, G 3/8" RH: MS71800501
- Adjusting valve for fuel gas G 3/8" LH: MS71800502
- Flashback arrestor for heating oxygen, G 1/4" RH: MS0647583
- Flashback arrestor for cutting oxygen, G 3/8" RH: MS0647584
- Flashback arrestor for fuel gas, G 3/8" LH: MS0346364

- Extended rack bar: MS71651791
- Counter weight : MS71651792
- Circle cutting attachment, diameter 60-2400mm: MS71651793
- Standard hose package, length 730mm : MS71651929
- Extended hose package, length 950mm: MS71651930
- Cross feed torch holder for strip and multi bevel cuts: MS71651794

Hand Cutting Torch for Large Jobs
Flame Gouging torch for Special Jobs



STARCUT

- Connections - 3/8 " LH for fuel & 3/8 " RH for oxygen
- Cutting range - 3-300 mm
- Gas type- Acetylene-Oxygen or LPG- Oxygen
- Heads - 95°, 135° & 180°
- Length upto 3000mm

BMCG: Bharat Metal Cutting Gas

Starcut

Model	Head	Length	Nozzle Type	Product Code
STARCUT 8622	95 DEG	540mm	3 Seat	MS71606896
STARCUT 8622	95 DEG	1000mm	3 Seat	MS71606902
STARCUT 8622	95 DEG	1500mm	3 Seat	MS71606973
STARCUT 8622	95 DEG	2000mm	3 Seat	MS71606974
STARCUT 8622	95 DEG	2500mm	3 Seat	MS71606949
STARCUT 8622	95 DEG	3000mm	3 Seat	MS71607405
STARCUT 9622	180 DEG	540mm	3 Seat	MS71606946
STARCUT 9622	180 DEG	1000mm	3 Seat	MS71606947
STARCUT 9622	180 DEG	1500mm	3 Seat	MS71606945
STARCUT 9622	180 DEG	2000mm	3 Seat	MS71606975
STARCUT 9622	180 DEG	2500mm	3 Seat	MS71607403
STARCUT 9622	180 DEG	3000mm	3 Seat	MS71607404
STARCUT 1615	135 DEG	1000mm	R&S (PMYF)	MS71605482MOD

Heavy Duty Hand Cutting upto 500mm

High Heating Performance with Fuel Gas Only

The New High Performance Brazing and Heating torch **AIRTHERM *FSH-P*** continues the tradition of Messer gas brazing and heating equipment with the quality and reliability, which is synonymous with Messer.

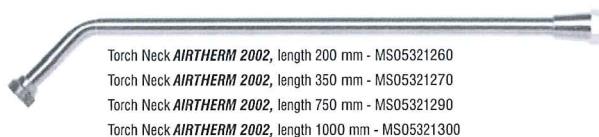
The torch series **AIRTHERM *FSH-P*** for fuel gas propane/atmospheric air with a power and highly stable flame even in most adverse conditions is a proven design incorporating the latest technical features necessary to meet the ever-changing applications and requirements for gas brazing and heating.

The Brazing and Heating Torch **AIRTHERM *FSH-P*** is the low cost, high quality, value alternative.

TORCH HANDLE **AIRTHERM 2002**:

with hexagon nut DIN 8542, PN40-G 3/8 LH and Hose Nipple DIN 8542, PN40-G 3/8 LH / 6,3 mm

TORCH NECKS **AIRTHERM 2002**:



Torch Neck **AIRTHERM 2002**, length 200 mm - MS05321260

Torch Neck **AIRTHERM 2002**, length 350 mm - MS05321270

Torch Neck **AIRTHERM 2002**, length 750 mm - MS05321290

Torch Neck **AIRTHERM 2002**, length 1000 mm - MS05321300



STAINLESS STEEL HEATING AND BRAZING NOZZLES **FSH-P**:



FSH 30-P

ø 30mm

MS71651918

FSH 40-P

ø 40mm

MS71651919

FSH 50-P

ø 50mm

MS71651920

FSH 60-P

ø 60mm

MS71651921

FSH 80-P

ø 80mm

MS71651922

Only Handle

Part No.: MS0463452

OPERATING DATA:

Airtherm Heating Nozzle	Product Code	Connection Thread	Fuel Gas	Propane (LPG)		Flame- Capacity (kW/h)
				Pressure (Bar)	Consumption (l/h)	
FSH 30	MS71651918	Female thread M 20 x 1.0 (flat sealing)	Propane (LPG)	1.5 - 4.0	600 - 1050	15 - 27
FSH 40	MS71651919				1050 - 2100	27 - 54
FSH 50	MS71651920				1850 - 3750	47 - 98
FSH 60	MS71651921				2700 - 4900	71 - 126
FSH 80	MS71651922				3200 - 5400	83 - 139

The High Performance Heating Torch

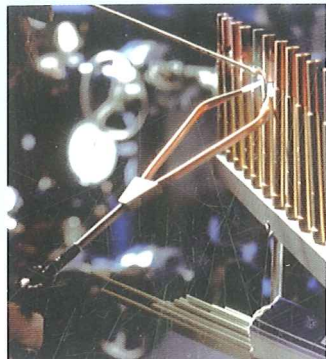
For LPG / Propane & Atmospheric Air

Weight
<100 grams

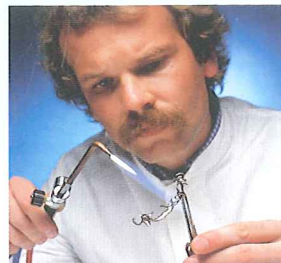
MINITHERM

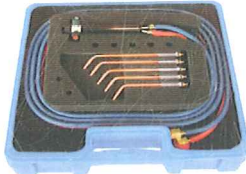
MESSER
Cutting Systems

The feather weight welding and heating torch




The MINITHERM torch range has been developed to meet the need of trade and industry for a small injector torch to handle special jobs.




	Product Description		Product Code
	Minitherm Kit with Hose & 5 Inserts Set HA		MS71601427
	Minitherm Kit with Hose & 5 Inserts Set PM(LPG)		MS71601428
	Minitherm BH with Hose 3M		MS71606112


MINITHERM inserts type HA, fuel gas Hydrogen and Acetylene

	Size	Product Code	Oxygen Pressure (bar)	Acetylene Pressure (bar)	Hydrogen Pressure (bar)	Oxygen consumption (l/h)	Acetylene consumption (l/h)	Hydrogen consumption (l/h)
	2-HA	MS71600981	1,0 - 2,5	> 0,2	> 0,5	155 - 285	155 - 285	431 - 792
	3-HA	MS71600982	1,0 - 3,0	> 0,2	> 0,5	215 - 440	215 - 440	597 - 1220


MINITHERM inserts type PMYF, fuel gas Propane, MAPP, GRIESON, BMCG and LPG

	Size	Product Code	Oxygen Pressure (bar)	Fuel gas Pressure (bar)	Oxygen consumption (bar)	Propane consumption (l/h)	MAPP consumption (l/h)	GRIESON consumption (l/h)
	2-PMYF	MS71600991	1,0 - 2,5	> 0,2	155 - 285	42 - 77	62 - 114	86 - 158
	3-PMYF	MS71600992	1,0 - 3,0	> 0,2	215 - 440	58 - 119	86 - 176	119 - 244

MINITHERM forkeld torches type Z-HA, fuel Hydrogen and Acetylene

	Size	Product Code	Oxygen Pressure (bar)	Acetylene Pressure (bar)	Oxygen consumption (l/h)	Acetylene consumption (l/h)	Hydrogen consumption (l/h)
	Z 2 HA	MS71602560	1,0 - 3,0	> 0,5	310 - 570	282 - 518	861 - 1583
	Z 3 HA	MS71650466	2,0 - 5,5	> 0,5	430 - 880	391 - 800	1194 - 2444

MINITHERM inserts type PMYF, fuel gas Propane, MAPP, GRIESON, BMCG and LPG

	Size	Product Code	Oxygen Pressure (bar)	Fuel Gas Pressure (bar)	Oxygen consumption (l/h)	Propane consumption (l/h)	Methane (N.G.) consumption (l/h)	MAPP consumption (l/h)	GRIESON consumption (l/h)
	Z 2 PMYF	MS71650471	1,0 - 3,0	> 0,5	310 - 570	583 - 1972	83 - 152	111 - 204	172 - 317
	Z 3 PMYE	MS71650472	1,0 - 5,5	> 0,5	430 - 880	778 - 1167	115 - 235	154 - 314	239 - 489

The Light Weight Torch

BMCG: Bharat Metal Cutting Gas

Welder Comfort Hence Increased Productivity

GAS HOSES

MESSER
Cutting Systems

Long Life

Best Quality Hoses for Gas Welding, Brazing, Heating & Cutting.

Complies to ISO 3821, EN 559, AS 1335, RMA

Applications: For use with welding and allied processes in workshops, Shipyards, construction site and manufacturing industries.

Tube: High ignition temperature EPDM

Reinforcement: High tensile synthetic textile filament yarn

Cover: Excellent ozone and weather resistant synthetic rubber

Color: ● Blue (Oxygen) / ● Red (Acetylene) / ● Orange (LPG / BMCG)

Operating Temperature: -25° C to +80° C

Safety Factor: 3 : 1

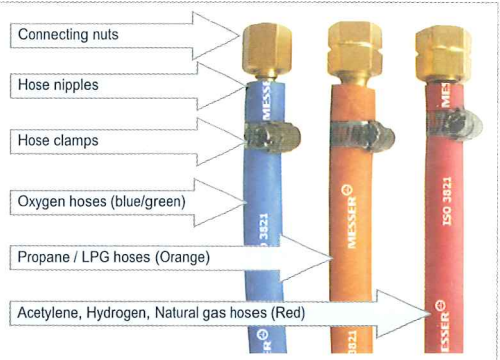
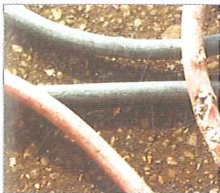
Surface: Smooth



Product Code New ISO 3821	Description	Gas Type	Color	ID (MM)	OD (MM)	WP (Kg/Cm2)	BP (Kg/Cm2)	Length/ Roll (M)
SINGLE LINE HOSE								
AMCS08USJ01	8X15MM 100M ROLL OXY BLUE HOSE MESSER	OXYGEN	BLUE	8	15	20	60	100
AMCS08RSJ01	8X15MM 100M ROLL ACET RED HOSE MESSER	ACETYLENE	RED	8	15	20	60	100
AMCL08OSJ01	8X15MM 100M ROLL LPG ORANGE HOSE MESSER	LPG	ORANGE	8	15	20	60	100
AMCS06USJ01	6.3 X 13 MM 100M ROLL OXY BLU HOSE MESSER	OXYGEN	BLUE	6.3	13	20	60	100
AMCS06RSJ01	6.3 X 13 MM 100M ROLL ACET HOSE MESSER	ACETYLENE	RED	6.3	13	20	60	100
AMCS10USJ01	10 X 17 MM 100M ROLL OXY BLUE HOSE MESSER	OXYGEN	BLUE	10	17	20	60	100
AMCS10RSJ01	10 X 17 MM 100M ROLL ACET RED HOSE MESSER	ACETYLENE	RED	10	17	20	60	100
TWIN HOSE								
AMCT883SJ01	8X15/8X15MM 100M ROLL TWIN HOSE OXY/ACET	OXY/ACET	BLUE/RED	8+8	15+15	20	60	100

Say no to poor Quality Hoses

Oxygen and fuel gas hoses should not be older than 2 years.
Messer hoses are marked with the year of manufacturing.



Tough Hoses

For Tough Working Conditions



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