



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.

Uninterrupted Gas Supply for your Applications

Gas cylinders are used for many applications in factories, workshops, laboratories, hospitals, universities, etc. The gases used have many different physical and chemical properties and they may cause dangerous situations if not handled properly. The best solution is to locate gas cylinder outside the working area and distribute the gas by pipeline to the point of use. Apart from safety, this approach offers quite a few advantages over using single cylinders at the point of use as below -



Safety

- Leaking gas cylinders may create dangerous situations Viz., - fire, explosion, toxic gases: injuries, suffocation etc.,
- Cylinders may drop and damages or cause injuries, as compressed gas cylinders can fly like rockets in case they are damaged at the valve area.

Reliability

- Uninterrupted gas supply by pressure monitoring and/or automatic change-over of the manifold systems.
- Stable working pressure of the gases on a continuous basis.

Gas purity

- The purity of the gas is maintained by using specially designed and cleaned - equipment with integrated purge valves

Cost savings

- Gas cylinders at a central location are easier to handle
- You can have lesser no of gas cylinders working and save on cylinder rentals
- Cylinder control panels ensure more efficient use of the gas cylinders
- Due to better control of the gas purity, all related equipment have a much longer life time.

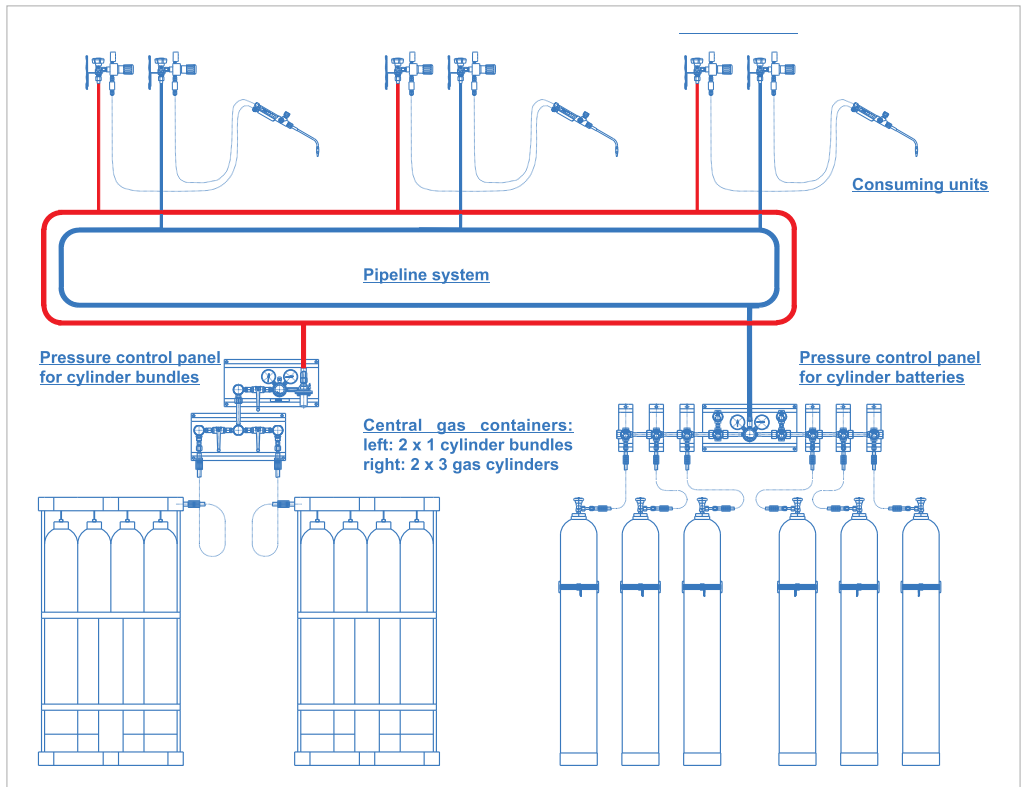
Other advantages

- Manifolding reduces clutter & increases working space in the shop floor
- Less damage to pressure regulators, hoses and other fittings
- Easier control of leak tightness

A Central Distribution System for gases must fulfil the following requirements:

- Uninterrupted supply of gas
- Maintain the integrity and purity of the gas up to the point of use
- Safe distribution of the gas

Schematic example for a central gas supply system





MESSER
Cutting Systems

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EXCELLENCE**

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