GAS DISTRIBUTION SYSTEM

COMPLETE STANDARD CENTRALS

The standard centrals for Acetylene and Oxygen include all items necessary for the gas control room, including signs, racks, equipment and brackets to be screwed or welded to deck and bulkhead. Included are also pre-welded unions to be fitted to the distribution pipes, and brackets to be screwed to the evacuation pipes from the regular supply valves. Cylinders and outlet station must be ordered separately.

THE UNITOR GAS DISTRIBUTION SYSTEM (GDS)

Safety
Gas cylinders, especially those containing flammable gases may cause serious accidents if handled carelessly. Unitor’s gas distribution system is based on safe and correct storing of the gas cylinders on board, in a well ventilated room with direct access to open deck.

This means:
- cylinders and accessories are less subject to physical damage
- location of cylinders is known to everyone on board
- cylinders may easily be removed in case of fire on board

Efficiency
Moving gas cylinders around is a time-consuming and demanding operation. With Unitor’s gas distribution system on board, all cylinders can be kept in one place. Gas is piped to outlet stations placed at locations where it is needed. Gas is available simultaneously from several cylinders when needed.

The distribution system ensures:
- sufficient gas flow for all welding / cutting / safety purposes
- no interruptions during work due to change of cylinders
- gas pressure adjustment at the outlet station, shorter hoses, and no cylinder transport to the workplace

Economy
Experience has proven that the distribution system is used, the total number of cylinders on board is normally reduced. The consumption of spares, such as cylinder regulators, hose taps, arrestors and hoses, is reduced or eliminated. Most important, jobs are done faster and more efficiently, and crew members are no longer exposed to the physical strain of transporting steel cylinders weighing up to almost 100 kilo.

GAS OUTLET STATION

Model 700
Unitor’s outlet station model 700 for bulkhead mounting is designed to obtain the highest degree of safety together with ease of operation. The standard protective cabinet, which completely encloses the outlet equipment, is made of 1.5 mm steel plate. For open deck mounting, a standard protective cabinet is made of 1.5 mm steel plate. The outlet station is delivered complete with installation instructions and directions for use and maintenance. A stretch relief bracket for the welding hose is included.

SIGNES FOR GAS DISTRIBUTION SYSTEM

The signs are in accordance with the requirements of the Norwegian Maritime Directorate and NS 8033, with Norwegian and English test. The instruction signs for Acetylene and Oxygen in the gas control room have texts in English, German, Spanish and Norwegian. The signs are printed on block on yellow plastic. They may be attached to the bulkhead by means of screws or glue.

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