survitec

AC/OX GAS DISTRIBUTION SYSTEM

SAFE EFFICIENT ECONOMICAL

Gas cylinders, especially those containing flammable gases, may cause serious accidents if handled carelessly. Moving gas cylinders around is a time-consuming and demanding operation. Survitec Acetylene Oxygen Gas Distribution system is a safe, efficient and economical solution. It is based on safe and correct storing of the gas cylinders on board, in a well-ventilated room with direct access to an open deck, not only making the work efficient, but easy for the crew.

FEATURES

- CYLINDERS AND ACCESSORIES ARE SUBJECT TO LESS PHYSICAL DAMAGE
- LOCATION OF CYLINDERS IS KNOWN TO EVERYONE ON BOARD
- CYLINDERS CAN EASILY BE REMOVED IN CASE OF A FIRE ON BOARD
- GAS IS AVAILABLE SIMULTANEOUSLY FROM SEVERAL CYLINDERS WHEN NEEDED
- SUFFICIENT GAS FLOW FOR ALL WELDING / HEATING / CUTTING 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 WORKSITE
- THE TOTAL NUMBER OF CYLINDERS ON BOARD IS REDUCED
- REGULATORS, FLASHBACK ARRESTORS AND HOSES
- IMPROVES WORK EFFICIENCY AND PROTECTS THE CREW MEMBERS FROM LONG EXPOSURE TO THE PHYSICAL HAZARDS OF TRANSPORTING STEEL CYLINDERS, WHICH CAN WEIGHT UP TO 100 KILOS.



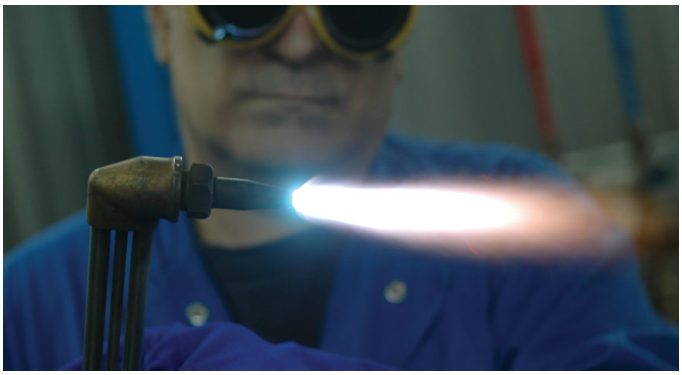
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Complete Standard Centrals

The standard centrals for Acetylene and Oxygen include all items necessary for the gas central room, including signs, racks, equipment and brackets to be screwed or welded to the deck and bulkhead. Also included are pre-welded unions to be welded to the distribution pipes, and brazed to the evacuation pipes from the regulator safety valves. The cylinders and outlet stations must be ordered separately.

NOTE: Gas cylinders, cylinder trolley, clamps, bushings and outlet station to be ordered separately. If central is to be placed in two separate rooms (one for acetylene, one for oxygen) the following extra signs are needed: 183202, 526566 and 526558.

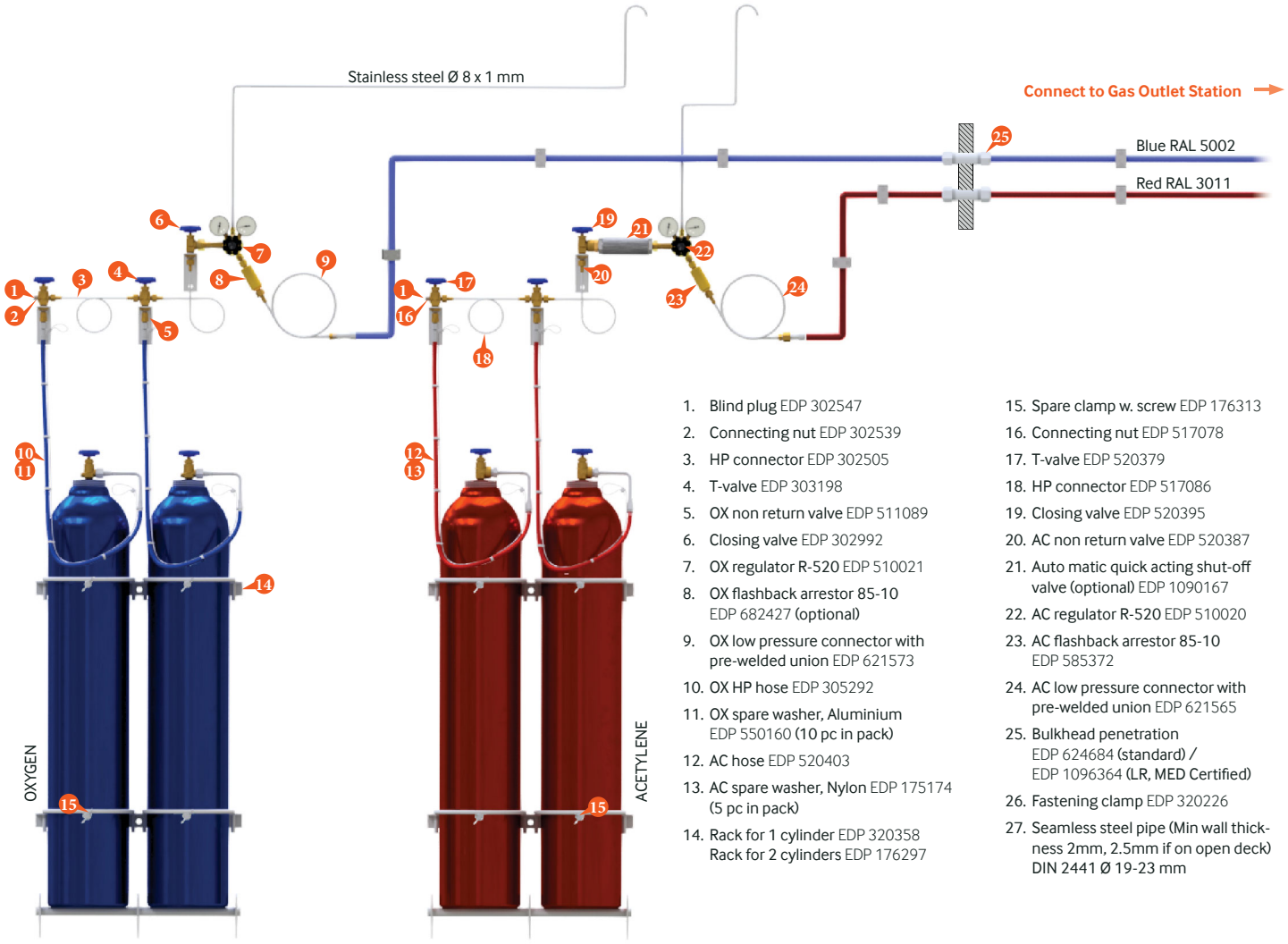


SYSTEM	
Product Number	**Central Installation Type**
233064	Central installation for 1 Acetylene + 1 Oxygen
511170	Central installation for 1 Acetylene + 2 Oxygen
234849	Central installation for 2 Acetylene + 2 Oxygen
510578	Central installation for 2 Acetylene + 4 Oxygen

* The centrals do not include oxygen flashback arrestor 85-10 (682427)

SPARES FOR REGULATORS	
Product Number	**Central Installation Type**
550202	Working gauge, Acetylene
550186	Contents gauge, Acetylene
550194	Working gauge, Oxygen
550178	Contents gauge, Oxygen

SYSTEM EXPANSION SETS	
Product Number	**Central Installation Type**
537217	Expansion set, f/1 AC cylinder
537225	Expansion set, f/1 OX cylinder



1. Blind plug EDP 302547
2. Connecting nut EDP 302539
3. HP connector EDP 302505
4. T-valve EDP 303198
5. OX non return valve EDP 511089
6. Closing valve EDP 302992
7. OX regulator R-520 EDP 510021
8. OX flashback arrestor 85-10 EDP 682427 (optional)
9. OX low pressure connector with pre-welded union EDP 621573
10. OX HP hose EDP 305292
11. OX spare washer, Aluminium EDP 550160 (10 pc in pack)
12. AC hose EDP 520403
13. AC spare washer, Nylon EDP 175174 (5 pc in pack)
14. Rack for 1 cylinder EDP 320358 Rack for 2 cylinders EDP 176297
15. Spare clamp w. screw EDP 176313
16. Connecting nut EDP 517078
17. T-valve EDP 520379
18. HP connector EDP 517086
19. Closing valve EDP 520395
20. AC non return valve EDP 520387
21. Auto matic quick acting shut-off valve (optional) EDP 1090167
22. AC regulator R-520 EDP 510020
23. AC flashback arrestor 85-10 EDP 585372
24. AC low pressure connector with pre-welded union EDP 621565
25. Bulkhead penetration EDP 624684 (standard) / EDP 1096364 (LR, MED Certified)
26. Fastening clamp EDP 320226
27. Seamless steel pipe (Min wall thickness 2mm, 2.5mm if on open deck) DIN 2441 Ø 19-23 mm

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Gas Outlet Station - Model R-700

The Survitec outlet station model R-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 fibreglass cabinet is recommended - this strong cabinet is designed to give a high degree of protection. It is corrosion-proof, with stainless steel hinges and lock. As standard supply, the outlet station is fitted with the completely enclosed SG-5 flashback arrestors. Alternatively it may be fitted with model S-55 or W-66S flashback arrestors. The outlet stations are delivered complete with installation instructions and directions for use and maintenance. A stretch-relief bracket for the welding hoses is included.

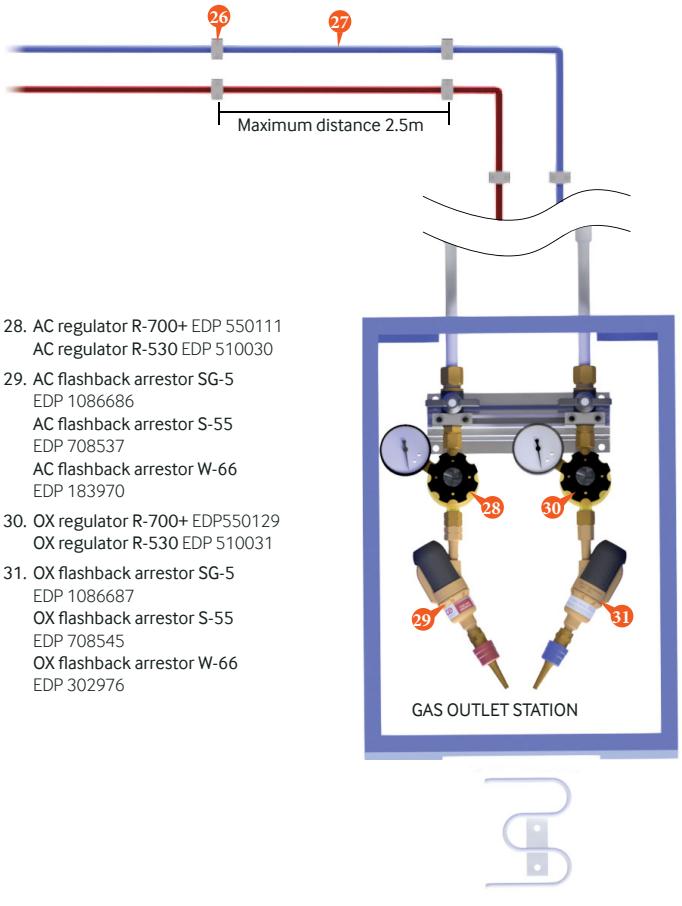
GAS OUTLET STATION	
Product Number	**Model 700**
550277	Steel outlet station cabinet R-700 complete with SG-5
550335	Steel cabinet for outlet station R-700
536805	Fibreglass cabinet for outlet station R-700
782311	Stainless steel outlet station cabinet R-700 complete with SG-5
Product Number	**Spares**
550202	Working pressure gauge, Acetylene
550194	Working pressure gauge, Oxygen

Signs for Gas Distribution system

The signs are in accordance with the requirements of the Norwegian Maritime Authority and NS 6033, with both Norwegian and English text. The instruction signs for Acetylene and Oxygen in the gas central have texts in English, German, Spanish and Norwegian. The signs are printed in black on thick yellow plastic and may be attached to the bulkhead by means of screws or glue.

SIGNS	
Product Number	**A. Signs for entrance doors (mm, HxW)**
526533	S1. «Acetylene» (100x500)
526541	S2. «Oxygen» (100x500)
183202	S3. «Gas under pressure» (250x450)
526566	S4. «Gas danger» small (150x300)
516625	«Gas danger» large (300x600)
526558	S5. «No admittance» (200x500)
Product Number	**B. Instruction signs for gas central**
176404	S6. «Acetylene instruction» (350x300)
176412	S7. «Oxygen instruction» (350x300)
183236	S8. «Pipeline pressure» (190x145)
Product Number	**C. Signs for outlet station**
183244	S9. «Close valves» (90x75)
511253	S10. «Working pressures» (70x200)

NOTE: The «Gas danger» small sign shall be placed at the outlet point of the ventilation pipes from the central regulators.



28. AC regulator R-700+ EDP 550111
    AC regulator R-530 EDP 510030
29. AC flashback arrestor SG-5
    EDP 1086686
    AC flashback arrestor S-55
    EDP 708537
    AC flashback arrestor W-66
    EDP 183970
30. OX regulator R-700+ EDP550129
    OX regulator R-530 EDP 510031
31. OX flashback arrestor SG-5
    EDP 1086687
    OX flashback arrestor S-55
    EDP 708545
    OX flashback arrestor W-66
    EDP 302976

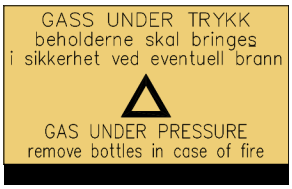
S1



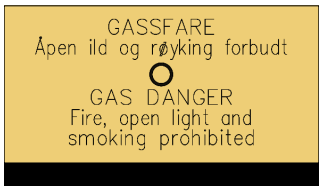
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S3



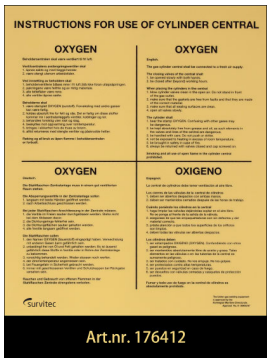
S4



S5



S7



S6



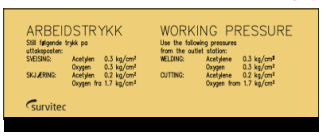
S8



S9



S10



SETTING THE GLOBAL STANDARD FOR OVER 160 YEARS

Protecting over 1 million lives across the globe every day, our critical safety and survival solutions help marine, aviation, offshore, and defence personnel get home safely if the worst happens.

Taking responsibility for the entire product lifecycle – from precision engineering and R&D, to manufacturing and servicing – we never compromise when it comes to safety and survival. Committed to protecting lives, we know the small things matter.

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