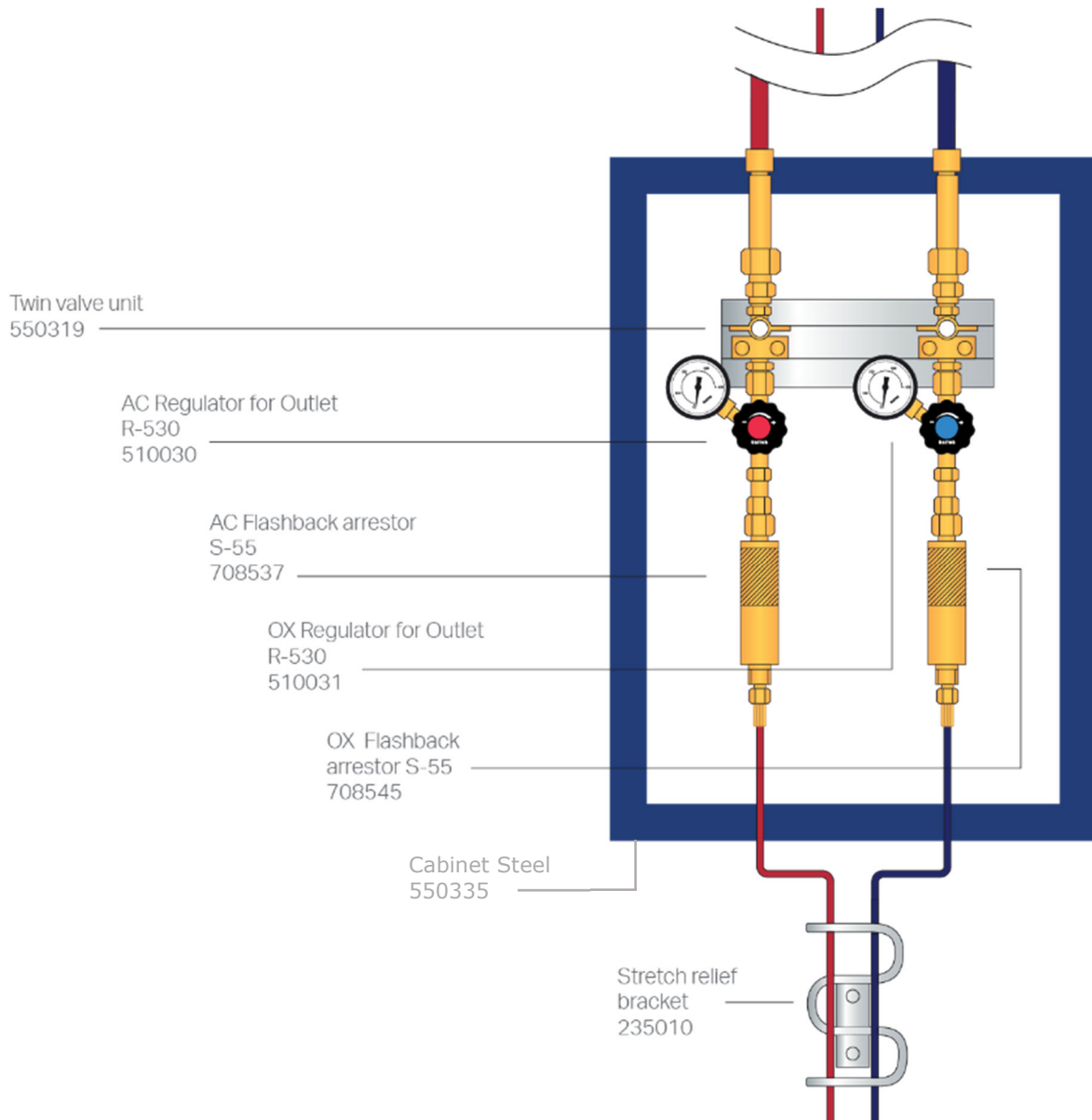


UNITOR OUTLET STATION

FOR UNITOR AC-OX GAS DISTRIBUTION SYSTEM

Instruction Manual





O B S
Ventilene på uttaksposten skal være stengt når gassuttak ikke benyttes.

ATTENTION
Keep outlet point valves closed when outlets are not in use.

UNITOR
by Wilhelmsen

Oultet Station 'Close Valve' Sign
183244

ARBEIDSTRYKK	WORKING PRESSURE
Still følgende trykk på uttaksposten:	Use the following pressures from the outlet station:
SVEISING: Acetylen 0.3 kg/cm ² Oxygen 0.3 kg/cm ²	WELDING: Acetylene 0.3 kg/cm ² Oxygen 0.3 kg/cm ²
SKJÆRING: Acetylen 0.2 kg/cm ² Oxygen fra 1.7 kg/cm ²	CUTTING: Acetylene 0.2 kg/cm ² Oxygen from 1.7 kg/cm ²

UNITOR
by Wilhelmsen

'Working Pressure' Sign
511253

1. General

The UNITOR outlet station is delivered complete with ball valves, regulators, flashback arrestors, stretch relief bracket and pre-welded unions with reducing tube $\varnothing 20\text{mm}$ to $\varnothing 14\text{mm}$ outer pipe diameter. All components are individually checked prior to delivery for safe and reliable

Warning!

Never, under any circumstances, allow oil or grease to come into contact with any components on the oxygen line as this can result in spontaneous self-ignition. Use original spare parts only.

2. Mounting instruction

Outlet stations shall be positioned in a well-ventilated place and safely protected against mechanical load.

Mark on the wall where the outlet station is to be placed and make the necessary pipework. Centre distance between pipes 150mm. See figures 1 and 2.

Mounting holes on the outlet station:

Twin valve unit:	4 x $\varnothing 7\text{mm}$
Cabinet:	6 x $\varnothing 7\text{mm}$
Stretch relief bracket:	2 x $\varnothing 7\text{mm}$

Weld the low pressure distribution pipes to the reducing stub of the pre-welded unions on the twin valve unit for outlet station. All welds shall be buttwelds.

Attach the twin valve unit and then the cabinet to the wall and then mount the stretch relief bracket.

Install the Regulator 530 to the twin valve unit.

Install the Flashback arrestor S55 to the Regulator 530.

Make a non-leakage test. Use nitrogen and a pressure of 12 bar for oxygen side and 10 bar for acetylene side for 8 hours. Maximum permitted pressure drop of 0.4 bar. Leak test can also be done on entire gas distribution system after outlet station is installed.

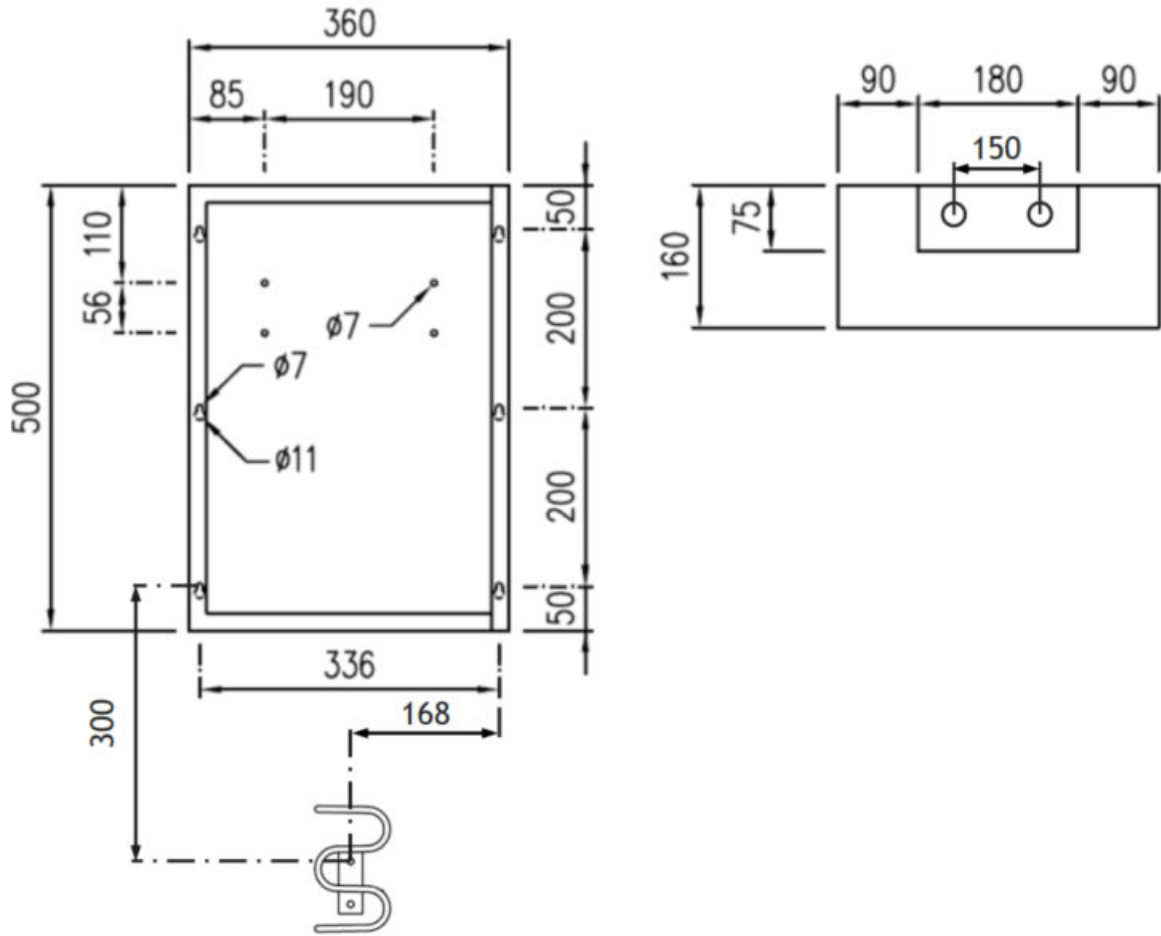


Figure 1

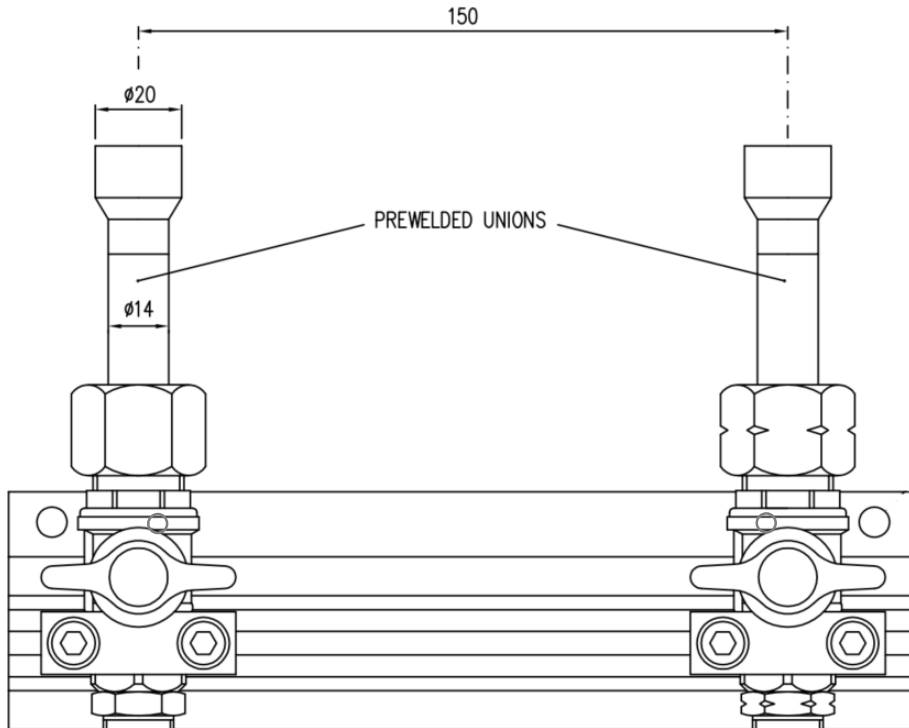


Figure 2

3. Operating instruction

The ball valve is in the open position when the knob is in the vertical position and in the closed position when the knob is in the horizontal position. Before using the outlet station, always check that the ball valve is in the open position.

Set the required working pressure on the regulator and check on the gauge. See correct pressure setting on the instruction sign on the inside of the cabinet door.

If no gas flow is received, check if the Flashback Arrestor S55 has been activated previously. Check visually if the red indicator on the body (5mm ring) near the inlet connection is visible. If yes, check and investigate reason for activation and only reset the flashback arrestor if safe to do so. Otherwise, replace the flashback arrestor.

The flashback arrestor consists of a non-return valve which prevents reversed gas flow, flame arrestor, a pressure sensitive cut-off valve and a temperature sensitive cut-off valve. The flame arrestor is designed to cut off flame in the event of a full flashback. The pressure sensitive cut-off valve is designed to cut off the supply of gas in the event of a flashback with a pressure wave. When the pressure sensitive cut-off valve has been activated, the flashback arrestor has to be reset. The temperature sensitive cut-off valve is designed to cut off the supply of gas if the arrestor is overheated due to an external flame or a flashback. If the temperature sensitive cut-off valve has been activated, the flashback arrestor has to be replaced. The flashback arrestor must not be dismantled.

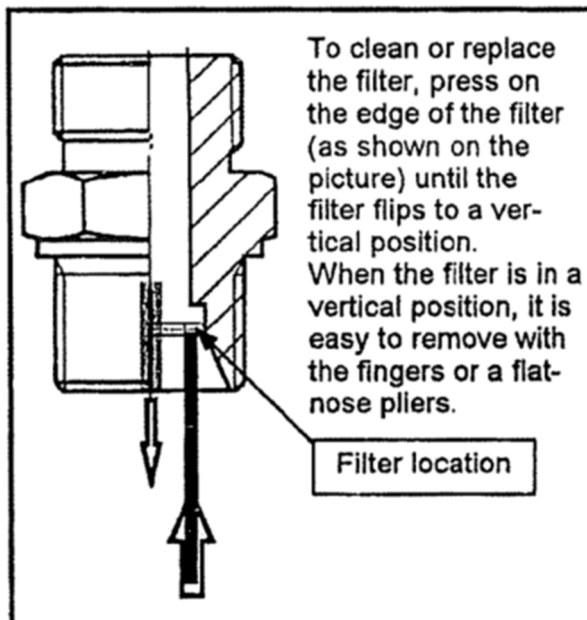
After finished work or when the equipment is not to be used for some time, close the ball valve, (the ball valve knob should be in the horizontal position), depressurize and purge torch and hoses, close the valves on the blow pipe after purging and unscrew the adjusting knob on the regulator until the spring pressure is no longer felt.

4. Spare Parts

	WSS Part No.	Part Description
1.	550319	Twin Valve Unit With Pre-welded Union
2.	510030	Regulator 530 AC For Outlet Station
3.	510031	Regulator 530 OX For Outlet Station
4.	708537	Flashback Arrestor S55 AC
5.	708545	Flashback Arrestor S55 OX
6.	235010	Stretch Relief Bracket
7.	550335	Cabinet Steel Blue
8.	183244	Sign Outlet Station Close Valve
9.	511253	Working Pressure Sign

5. Maintenance instruction

- Annual control and testing shall be carried out by chief engineer or other authorized person:
 - The regulators and the ball valves must be function tested.
 - Leakage test on the outlet station at normal working pressure for both gases. Swab all connections with soapy water or use a leak detector spray. Rinse with water afterwards.
- The filter mounted on the downside of the ball valve shall be cleaned at regular intervals, minimum once every year. This may be done without the interruption of the gas supply to the other outlet stations on the same distribution network.
- For all repairs UNITOR original spare parts must be used and all repairs should be made by authorized personnel only.



Ver 1.0 / 082023

Wilhelmsen Ships Service

Phone: (+47) 67 58 40 00

Fax: (+47) 67 58 40 80

Postal Address:
PO Box 33, NO-1324
Lysaker, Norway

wilhelmsen.com

Contact your local WSS customer service for prices and availability.