Technisches Datenblatt
Liquid vaporizer panel
(Art. Nr.: 5363001)

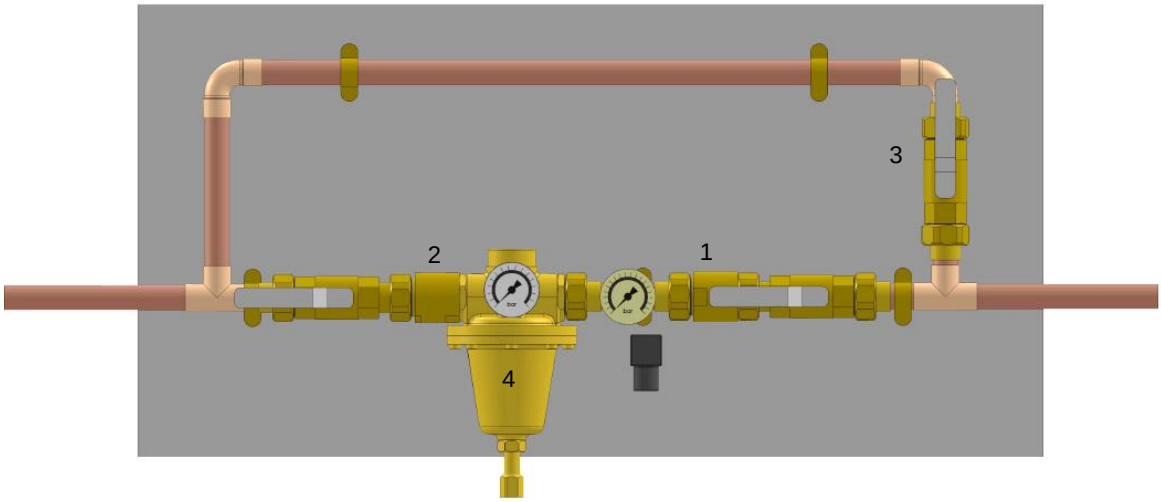


Figure 1: Representation of liquid vaproizer panel (item no.: 5363001)

1. Functional description

The O2 liquid vaporizer panel ensures a constant inlet pressure for changeover systems by regulating (4) and stabilizing the outlet pressure of the cryogenic tank. The liquid evaporator panel is equipped with a sintered metal filter (1) (100 µ), which protects the components and parts from particles and impurities to prevent malfunctions. malfunctions. A check valve (2) is also included to prevent unwanted gas backflow from the back-up sources to the primary source. In addition, the pressure of the primary supply source can be monitored and a (full/empty) message sent to the building management system. A bypass line ensures uninterrupted supply during service/maintenance (3).

2. Variants

Liquid vaproizer panel			
Item no	**Control range**	**Ø Connector**	**Description**
5363001	0,5 – 16 bar	22	Liquid vaporizer panel Ø 22

3. Product description

- Standard design (inlet right, outlet left). Change of input side possible on request)
- Pressure adjustment with SW19 hexagon head screw; Locking with locknut
- Pressure gauge Ø63 for displaying the outlet pressure
- All threaded connections are O-ring sealed for ease of maintenance.
- A bypass line ensures uninterrupted supply during service/maintenance.
- Cryogenic tank pressure monitoring possible
- Sintered metal filter to protect the downstream fittings from contamination
- Non-return valve prevents unwanted backflow of gas from the backup back into the primary supply
- Marking of the flow direction using arrows - **Inlet in the direction of the arrow**
- Complies with the purity requirements of DIN EN ISO 15001

4. Technical Data

Technical data	
Nominal flow *	2666 l/min
Max. inlet pressure	40 bar
Control range	0,5-16 bar
Ø Connector	22
Accuracy class of pressure gauge	2.5
Setting range low alarm	from 3 to 20 bar
Mounting position	Pay attention to arrow
Medium temperature	-10°C bis 60°C
Operating temperature	-10°C bis 90°C
Wight(g)	Approx. 14 kg
Werkstoffe	Spring steel, Ms; NBR-Ms, NBR, stainless steel, Cu

*measured at p_1 = 8 bar, p_2 = 6 bar Δp = 1 bar

4.1 Dimensions

Item no	Height (mm)	Width (mm)	Depth (mm)
5363001	800	400	180

5. Spare Parts

Item no.	Description
00007100	Wear parts kit for line pressure regulator - Diaphragm cpl. - Valve cone cpl. - O-ring 34 x 3
0211803	Pressure gauge O2 0-16 bar Ø63, G ¼" rear
0281912	Contact pressure gauge 0-25 bar
9900431	Plug ¼" with hexagon socket
0213945	Spare parts kit sintered metal filter - pipework
0183241	Check valve 3/4"F+1"F with O-ring seal

5.1 Seals

For item no.: 5363002		
Item no.	**Description**	**Quantity required**
0493601	O-Ring 23 x 2,5 mm	8
0493334	O-Ring 28 x 2 mm	1
9900498	O-ring 5 x 3.5 (Seal for pressure gauge / plug ¼" with hexagon socket)	2

6. Contact Information

Heyer Aerotech GmbH
Nieverner Str. 30-34
56132 Nievern

Contact:
Phone: +49 2603 50707-0
E-Mail: office@heyer-aerotech.de

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Technisches Datenblatt
Vaporizer panel redundant
(Item. no.: 5363001-RED)

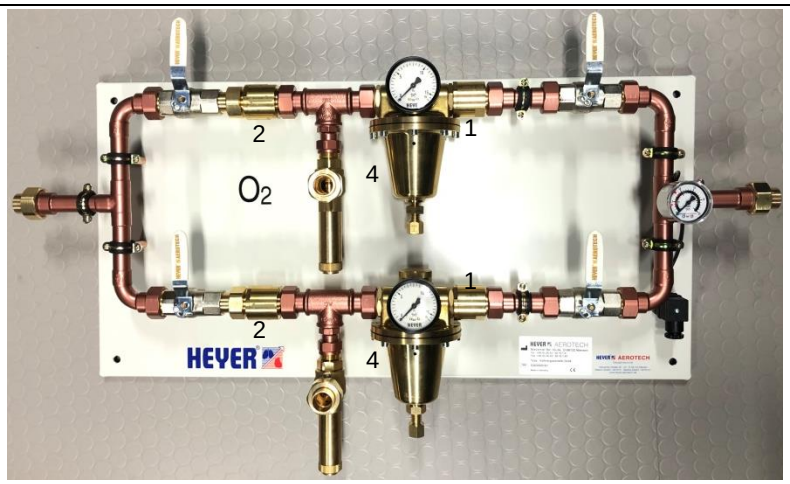


Figure 1: Representation of liquid vaproizer panel (item no.: 5363001-RED)

1. Functional description

The O2 liquid vaporizer panel ensures a constant inlet pressure for changeover systems by regulating (4) and stabilizing the outlet pressure of the cryogenic tank. The liquid vaproizer panel is equipped with two sintered metal filter (1) (100 µ), which protect the components and parts from particles and impurities to prevent malfunctions malfunctions. Check valves (2) are also included. These are used to prevent unwanted gas backflow from the back-up sources to the primary source.
In addition, the vaproizer panel has safety valves that release impermissibly high operating pressure to the outside in the event of a malfunction. In addition, the pressure of the primary supply source can be monitored and a (full/empty) message sent to the building management system. A bypass line ensures uninterrupted supply during service/maintenance.

2. Variants

Liquid vaproizer panel			
Item no	**Control range**	**Ø Connector**	**Description**
5363001-RED	0,5 – 16 bar	22	Liquid vaporizer panel Ø 22 redundant

3. Product description

- Standard design (inlet right, outlet left). Change of input side possible on request)
- Pressure adjustment with SW19 hexagon head screw; Locking with locknut
- Pressure gauge Ø63 for displaying the outlet pressure
- All threaded connections are O-ring sealed for ease of maintenance.
- A redundant design ensures an uninterrupted supply during service/maintenance work.
- Cryogenic tank pressure monitoring possible
- Sintered metal filter to protect the downstream fittings from contamination
- Safety valves prevent impermissibly high pressures in the event of a malfunction
- Non-return valve prevents unwanted backflow of gas from the backup back into the primary supply
- Marking of the flow direction using arrows - **Inlet in the direction of the arrow**
- Complies with the purity requirements of DIN EN ISO 15001

4. Technical Data

Technical data	
Nominal flow *	7830 Nl/min
Max. inlet pressure	40 bar
Control range	0,5-16 bar
Ø Connector	22
Accuracy class of pressure gauge	2.5
Setting range low alarm	from 3 to 20 bar
Mounting position	Pay attention to arrow
Medium temperature	-10°C bis 60°C
Operating temperature	-10°C bis 90°C
Wight(g)	Approx. 14 kg
Materials	Spring steel, Ms; NBR-Ms, NBR, stainless steel, Cu

*measured at p_1 = 8 bar, p_2 = 6 bar Δp = 1 bar

4.1 Dimensions

Item no	Height (mm)	Width (mm)	Depth (mm)
5363001-RED	800	400	180

5. Spare Parts

Item no.	Description
00007100	Wear parts kit for line pressure regulator - Diaphragm cpl. - Valve cone cpl. - O-ring 34 x 3
0211803	Pressure gauge O2 0-16 bar Ø63, G ¼" rear
0281912	Contact pressure gauge 0-25 bar
9900431	Plug ¼" with hexagon socket
0213945	Spare parts kit sintered metal filter - pipework
0183241	Check valve 3/4"F+1"F with O-ring seal
0283140-12-LO	Safety valve 12 bar AGS 80 (Opening pressure of the safety valve can be customised on request)

5.1 Seals

For item no.: 5363002		
Item no.	**Description**	**Quantity required**
0493601	O-Ring 23 x 2,5 mm	8
0493334	O-Ring 28 x 2 mm	1
9900498	O-ring 5 x 3.5 (Seal for pressure gauge / plug ¼" with hexagon socket)	2
9900764	Dichtring 30 x 25 x 2 (POM)	2
0493182	O-Ring 14,6 x 2,6	2

6. Contact Information

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Nieverner Str. 30-34
56132 Nievern

Contact:
Tel. +49 2603 50707-0
E-Mail: office@heyer-aerotech.de

CE