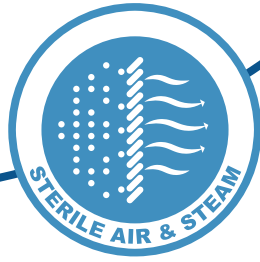



ULTRAFILTER
THE FILTRATION MANUFACTURER
THE SCANDINAVIAN FILTRATION PARTNER

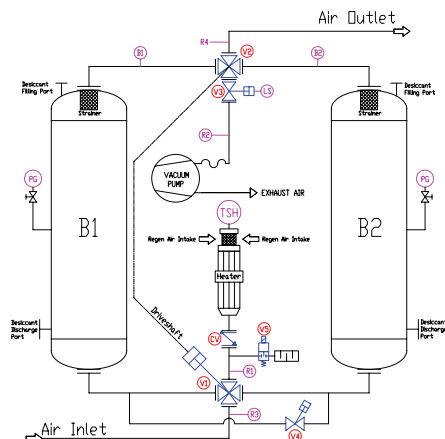


ULTRAFILTER HEATED ADSORPTION DRYER UDDH

WWW.ULTRA-FILTER.COM

Ultrafilter Heated Adsorption dryer

UDDH



Technical Data

- 4-10 bar
- 35°C Inlet Temperature.
- 3000 m³/h
- Pressure Dewpoint: -40°C

Drying compressed air through adsorption represents a purely physical process in the course of which water vapour is bound to the drying medium (desiccant) through binding forces of molecular adhesion. For adsorption to take place, moist air is directed through the adsorber at various operating pressures. During this process, the moist compressed air comes into contact with the hydrophilic desiccant molecules when it flows from the bottom to the top of the vessel. The desiccant molecules will retain the moisture which results in dry compressed air leaving the vessel.

Applications and Main Benefits

- Proven technology
- Robust construction
- Reliable performance
- Easy maintenance
- No purge, zero air loss/"zero purge"

Features

- The welded vessels are designed according to PED standards.
- The stainless steel wedge wire in the wet area is a self cleaning system which allows an even distribution of air flow with low differential pressure across the system.
- Touch Screen controller for continuous monitoring, option for communication with customer control system via Profibus, Modbus build in.
- Monitoring of inlet and outlet temperature build in.
- Flow meter build in as standard
- As standard equipped with Load Control System (LCS)
- UDDH Series Desiccant Dryers use high performance silica gel which is suitable for application in a wide range of operating conditions.
- Usage of standard industrial valves which are readily available and easily maintained.
- Low energy consumption, quick ROI.
- No purge is needed for cooling, 100% in, 100% out. "Zero Purge"

Options

- Isolation, Pre- and Afterfilter, Flow meter, Lower Dew Points, Silicone-free Version.

Ultrafilter Heated Adsorption dryer

UDDH

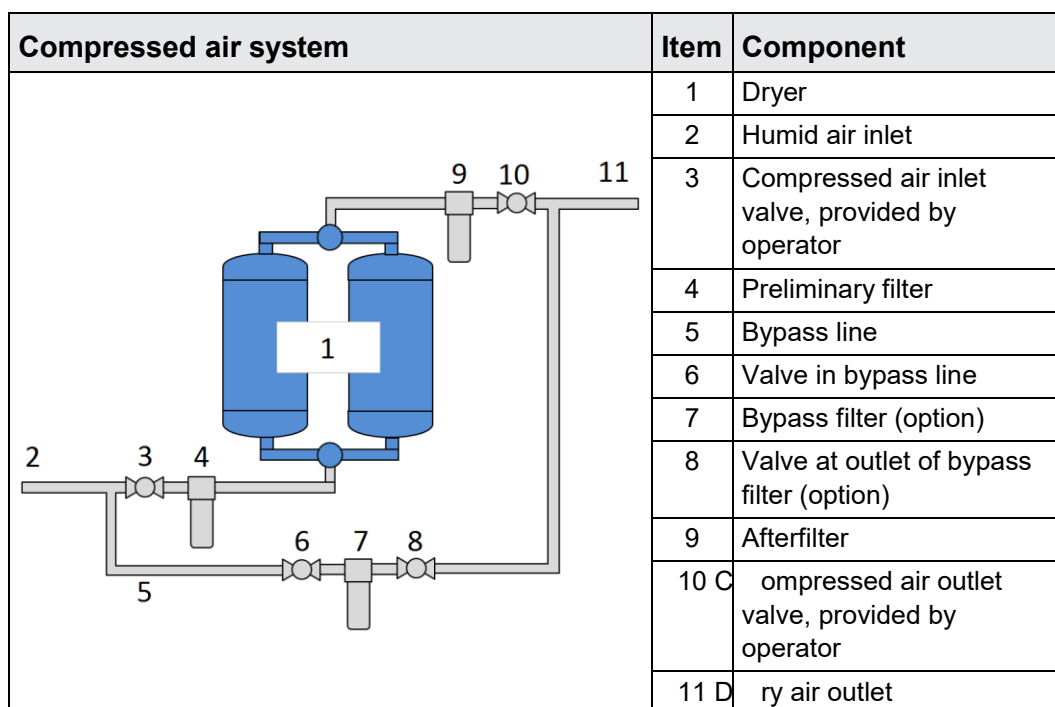


Model	Volume Flow Rate ¹				Dimensions in mm (ca.)			Conn.	Power	Power Supply	Weight kg (ca.)
	l/s	m ³ /min	m ³ /h	pressure	D	W	H	inch	kW		
UDDH222	222	13,33	800	4-10 bar	1099	1368	2160	DN50	6,4	400V/50/3PH	759
UDDH333	333	20,00	1200	4-10 bar	1285	1610	2360	DN80	9,5	400V/50/3PH	1106
UDDH464	464	27,83	1670	4-10 bar	1390	1700	2360	DN80	13,4	400V/50/3PH	1493
UDDH583	583	35,00	2100	4-10 bar	1425	2040	2360	DN80	16,2	400V/50/3PH	1792
UDDH750	750	45,00	2700	4-10 bar	1515	2085	2850	DN80	19,2	400V/50/3PH	2335
UDDH917	917	55,00	3300	4-10 bar	1590	2100	2850	DN80	25,4	400V/50/3PH	2755
UDDH1056	1056	63,33	3800	4-10 bar	1600	2390	3100	DN100	29,4	400V/50/3PH	3188
UDDH1167	1167	70,00	4200	4-10 bar	1780	2420	3100	DN100	33,0	400V/50/3PH	3600
UDDH1361	1361	81,67	4900	4-10 bar	1820	2470	3250	DN150	39,2	400V/50/3PH	4060
UDDH1556	1556	93,33	5600	4-10 bar	1875	2580	3250	DN150	42,4	400V/50/3PH	4713
UDDH1708	1708	102,50	6150	4-10 bar	1895	2630	3250	DN150	46,5	400V/50/3PH	5370
UDDH1978	1978	118,67	7120	4-10 bar	2081	3142	3250	DN150	55,3	400V/50/3PH	5895
UDDH2217	2217	133,00	7980	4-10 bar	2230	3180	3250	DN150	61,9	400V/50/3PH	6950
UDDH2389	2389	143,33	8600	4-10 bar	2285	3240	3400	DN200	68,1	400V/50/3PH	7250
UDDH2833	2833	170,00	10200	4-10 bar	2330	3320	2320	DN200	77,0	400V/50/3PH	8445

¹. Based on -40 °C pressure dew point with inlet conditions of 7 bar g and 35 °C

Example	
Flow rate	3000 m ³ /h
Pressure	9 bar
Inlet temperature	35°
Pressure dew point	-40°

Pressure bar g	Temperature °C			
	25	30	35	40
4	0,66	0,64	0,62	0,59
5	0,80	0,77	0,75	0,71
6	0,94	0,90	0,87	0,84
7	1,07	1,03	1,00	0,96
8	1,16	1,14	1,11	1,08
9	1,23	1,21	1,18	1,14
10	1,32	1,30	1,27	1,24



Example of proper installation with preliminary filter, after filter and bypass line.



THE SCANDINAVIAN FILTRATION PARTNER

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At www.ultra-filter.com you will find a wide selection of filtration products ready for you to order.



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ABOUT US

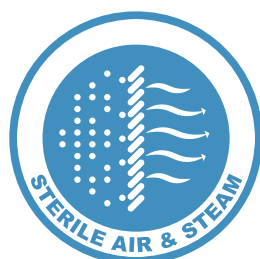
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You can buy our products on local websites. Information about our products as well as brochures and manuals can be found on our website (www.ultra-filter.com).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you. We also offer on going service on our products once they are installed.

FILTRATION OF



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