Purification Pac Oilfree Air

Purification pack for clean, dry, oil and odour free compressed air

Purification Package.

■ The OFA purification package is the ideal soution in all application, where compressed needs to be dry, clean, oil and odour-free.

■ The OFA removes water, oil and dirt particles from compressed air in one process. It is a complete system with pre- and afterfilter, desiccant vessels as well as activated carbn filter.

■ The OFA was successfuly installed with numerous companies in breathing air application, as well as pharmacuetical, chemical and cosmetics industry.

■ References:
Getränke Ravenhorst, beverages
Lichtner-Pharma, Berlin, pharmaceutics
Campina Cologne, dairy
Nordmilch dairy
Merkle Pharma
Böhringer-Ingelheim, pharmaceutics
Bayer Leverkusen, chemicals
Brau Union Austria, Brewery

ULTRAFILTER
THE FILTRATION MANUFACTURER

Features:	Benefits:
Purification package designed for use with oil lubricated compressors	No need to buy expensive and less energy efficient „oilfree“ compressors
Purification package complete with pre-, afterfilter, dryer, activated carbon adsorption stage and drain.	Turnkey system, no additional installation required, all components from one hand, technically perfectly matched to each other
Prefilter with electronic, level-controlled drain ultra.drain	No air losses due to condensate removal, therefore reduction of operating costs
All dryers in cabinet construction	protection against mecanical damage and against dirt
Compressed air quality better than on any „oilfree“ compressor	Use in highly sensitive production possible (food-, beverage-, electronic industry, etc.)
Display of operating status by LED	High operating safety, since all operating status can be detected easily at any time
ultra.conomy capacity control	Determines the actual the actual amount of moisture and asses the optimum time when the dryer requires regenerating - saves up to 70 % energy.
17 sizes available, matched to thecompressor flows, with 3 pressuredewpoints each, for choice	Custom made solutions possible, matching exactly customer's requirements; no oversizing of compressors neccessary, since lowest possible regeneration air requirements
Comprehensive option package: Dewpoint depending control, start-up device, bypass, pneumatics control, changeover control etc.	Flexibility in application, well thought package for economical operation and safe system installation in the compressed air network

Medium
Compressed air/ nitrogen

Pressure dewpoint:
–40 °C to –70 °C at 100 % load

Operating pressure:
min. 4 bar (g), max. 16 bar (g)

Medium temperature
max. +50 °C

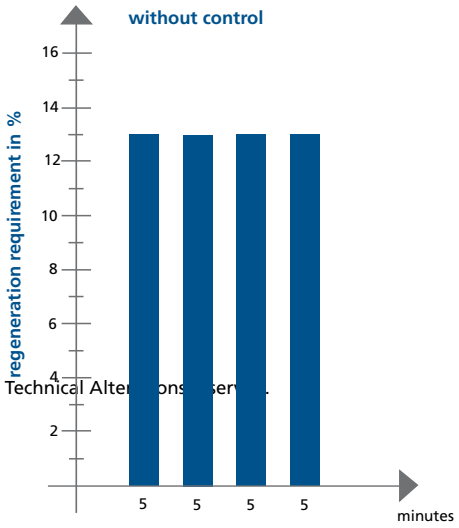
Ambient temperature
min. +4 °C, max. +50 °C

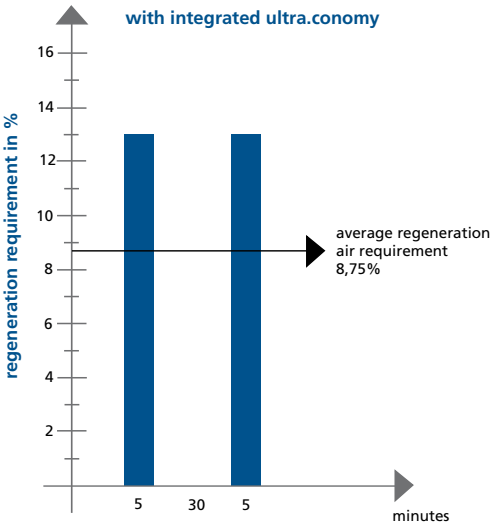
Power supply:
230 V/ 115 V AC/ 50 – 60 Hz,24 V DC

Power consumption:
approx. 40 W

Pressure vessel – design, manufacture, testing:
Absorber: acc. to 87/404/EEC-Filter: acc. to 97/23/EC

Residual oil content
< 0.003 mg/m3





Technical Alter ons ser .

OFA purification package

Technical data OFA purification package

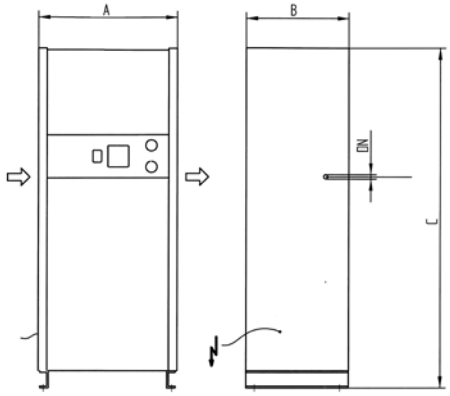
type	volume flow at 7 bar g m³/h	connection	dimensions in mm			average regeneration air consumption in m³/h (1 bar abs., 20 °C)			initial Δp mbar
			height	width	depth	HED	ALD	MSD	
0050	50	G ³/₄	1610	940	315	7,5	7,5	10	120
0080	80	G ³/₄	1610	940	315	12,0	12,0	16	190
0100	100	G 1	1610	940	315	15,0	15,0	20	220
0150	150	G 1	1980	1140	465	23,0	23,0	30	320
0175	175	G 1	1980	1140	465	26,3	26,3	35	200
0225	225	G 1¹/₂	1980	1140	465	34,0	34,0	45	220
0300	300	G 1¹/₂	1980	1580	465	45,0	45,0	60	280
0375	375	G 1¹/₂	2190	1580	530	56,0	56,0	75	400
0550	550	G 2	2190	1580	530	83,0	83,0	110	370
0650	650	G 2	2190	1600	530	98,0	98,0	130	450
0850	850	G 2	2350	1600	530	128,0	128,0	170	520
1000	1000	G 2¹/₂	2350	1600	530	150,0	150,0	200	370

In accordance with ISO 7183 related to1 bar, 20° C, operating pessure 7 bar g, compressed air inlet temperature 35°, ambient temperatures 25°C and dewpoint -40°.

Operating parameter:

max. operating pressure:	16 bar
max. ambient temperature:	50°C
max. compressed air inlet temperature:	50°C.
Power supply:	230V / 50 Hz.

Conversion factors:
PERFORMANCE = nominal flow (7 bar) / (K1 x K2 x K3 x K4).



Operating pressure	bar	4	5	6	7	8	9	10	11	12	13	14	15	16
Conversion factor	K1	0,62	0,75	0,88	1	1,12	1,25	1,38	1,50	1,63	1,75	1,88	2,0	2,13

inlet temperature °C	20	25	30	35	40	45	50
conv. factor	1,0	1,0	1,0	1,0	0,8	0,7	0,5

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