



ON-SITE EXCELLENCE - SINCE 1978

NORDIC MODULAR HALF PALLET SERIES OXYGEN



KEY FEATURES

- Energy consumption from 0.8 kW/Nm³
- All pipes and valves are made of stainless steel (SS 316L)
- Sandblasted and power coated for extended lifetime
- LED lights
- Easy transportation (1/2 euro pallet size)

Capacity:
2.5 to 7.6 Nm³/h
at 93 % purity

Energy consumption
from
0.8 kW/Nm³

MAKERS LIST

ITEM	ORIGIN	MATERIAL/DESCRIPTION
Angle seated pneumatic valves	Germany	SS316L body, PA actuator
Adsorber vessels	Denmark	Mild steel power coated, 11.9 bar(g)
Reduction valve	Germany	SS316L body
Safety valve	Italy	Brass, Viton
7" colour touch	Germany	IP 54 electrical cabinet
PLC	Germany	Pressure & purity
Molecular sieve	Japan/China	13X Zeolite
Oxygen analyser & control	EU	Zirconium, sensor

OPTIONS

ITEM	ORIGIN	MATERIAL/DESCRIPTION
UPS	Germany	Battery backup
Alarm	EU	Visual, acoustic, signal
Flow limiter	Germany	SS316L pipe, PA house
Output 4-20 mA	EU	Pressure & purity
GSM modem	EU	SMS, alarm
Modbus TCP/IP	EU	Communication protocol

COMPRESSED AIR SPECIFICATIONS

Maximum operating pressure	11.9 bar(g)
Operating temperature	0-50 °C
Minimum inlet pressure	3,5 bar(g)
Pressure dew point	max +3 °C
Air quality ISO specification	ISO 8573.1:2010.2.4.1

CONNECTIONS

Air & oxygen	DN40, ANSI-flanges, DIN-flanges or thread
Exhaust	Diameter 160 mm
Power supply	1 ph, 110-220 V, 50-60 Hz

ADD-ONS

ITEM	ORIGIN	MATERIAL/DESCRIPTION
Compressor	Germany/Norway	Oil lubricated/oil-free screw type
Air dryer	Germany/Norway	Refrigeration/adsorption dryer
Air & product tank pack	EU	Up to 11.9 bar(g)
High pressure filling station	USA/EU	Up to 200 bar(g)

00 Datasheet O20,O40,O60- Half PALLET -MDD-TF- R0-11.8.2018

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PERFORMANCE

Indicative data, March 26th 2019

Generator Model			Purity			
			92%	93%	94%	95%
Half Pallet-1 Min Air/Gas: 40 liters	4 bar(g)	O ₂ m ³ /hour	2.70	2.50	2.30	2.10
		Air m ³ /min	0.43	0.41	0.41	0.41
	5 bar(g)	O ₂ m ³ /hour	2.90	2.70	2.50	2.30
		Air m ³ /min	0.47	0.46	0.46	0.47
	6 bar(g)	O ₂ m ³ /hour	3.00	2.80	2.60	2.40
		Air m ³ /min	0.51	0.49	0.49	0.50
Half Pallet-2 Min Air/Gas: 80 liters	4 bar(g)	O ₂ m ³ /hour	5.40	5.00	4.60	4.20
		Air m ³ /min	0.86	0.83	0.82	0.82
	5 bar(g)	O ₂ m ³ /hour	5.80	5.40	5.10	4.80
		Air m ³ /min	0.95	0.92	0.94	0.98
	6 bar(g)	O ₂ m ³ /hour	6.00	5.60	5.40	5.00
		Air m ³ /min	1.01	0.98	1.02	1.04
Half Pallet-3 Min Air/Gas: 120 liters	4 bar(g)	O ₂ m ³ /hour	7.10	6.70	6.20	5.70
		Air m ³ /min	1.12	1.11	1.11	1.11
	5 bar(g)	O ₂ m ³ /hour	7.60	7.20	6.65	6.00
		Air m ³ /min	1.24	1.22	1.22	1.22
	6 bar(g)	O ₂ m ³ /hour	8.00	7.60	7.05	6.40
		Air m ³ /min	1.35	1.33	1.33	1.33

DCP Control as standard

Notes:

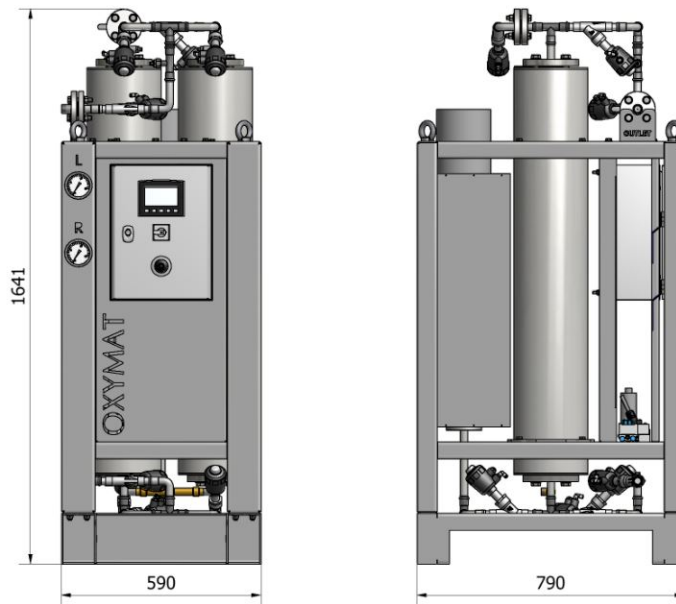
- 1 - Stated flow in Sm³/hour are for operation with reference to 20°C, 1013 mbar. Inlet pressure 7-10 barG. Flow variance ±5%
- 2 - Stated air consumptions in FAD m³/min are for operation with reference to 20°C, 1 barA, -acc. to ISO1217c

CORRECTION TABLE

AMBIENT TEMPERATURE

Ambient temperature impact on oxygen capacity								
°C	15	20	25	35	35	40	45	50
Factor	1.00	1.00	1.00	1.00	0.95	0.9	0.85	0.72

DIMENSIONS



WEIGHT & DIMENSIONS

Model	Half Pallet-1	Half Pallet-2	Half Pallet-3
Weight [kg]	290	330	370
Dimension LxWxH [mm]	790x590x1350	790x590x1641	790x590x2197

