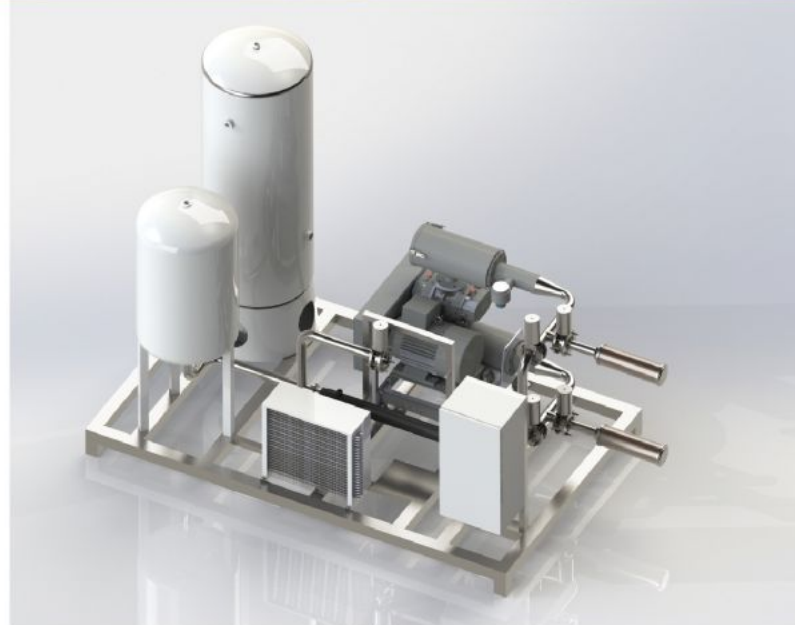


APPLICATIONS

- ▄ Waste Water Treatment
- ▄ Oxygenation in Aquaculture
- ▄ H₂S Removal in Biogas Plants
- ▄ Oxy-fuel for Glass Industry
- ▄ Oxy-fuel for Steel Industry
- ▄ Pulp & Paper Industry
- ▄ Production of Hydrogen Peroxide
- ▄ Oxidation in Biological Processes
- ▄ Ozonization

ADVANTAGES

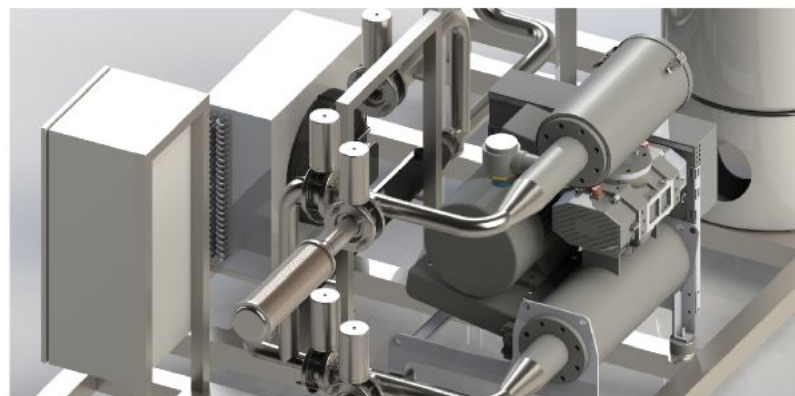
- ▄ **O₂ PURITY:** up to 93,5%
- ▄ **OPEX:** 0,38-0,55 kWh/Nm³ @ 90% O₂
- ▄ **MAINTENANCE:** 3% of CAPEX (per yr.)
- ▄ **CAPACITY:** from 8 to 20 Nm³/h (1 col.)
from 30 to 400 Nm³/h (2 col.)
- ▄ NO AIR PRE-TREATMENT REQUIRED
- ▄ LONGER ADSORBENT LIFETIME
- ▄ O₂ SENSOR & OUTPUT SIGNALS
- ▄ REMOTE MONITORING
- ▄ SIMPLE PROCESS SCHEME
- ▄ LOW MAINTENANCE COSTS
- ▄ SIMPLE OPERATION



PERFORMANCE

MODEL	Purity 90% P out = 600 mbarg (min.)		
	O ₂ Flow(Nm ³ /h)	Power consumption (kWh)	Nº of Adsorption columns
OXYGEN VSA 10*	10	5	1
OXYGEN VSA 20*	20	10	1
OXYGEN VSA 30	30	12,9	2
OXYGEN VSA 40	40	17,2	2
OXYGEN VSA 50	50	21,3	2
OXYGEN VSA 60	60	25,3	2
OXYGEN VSA 80	80	33,2	2
OXYGEN VSA 100	100	41	2
OXYGEN VSA 150	150	60	2
OXYGEN VSA 300	300	118,5	2
OXYGEN VSA 400	400	156,8	2

notes : Other capacities available on request
 - Available higher outlet pressures on request : from 1 to 300 barg;
 - Models and specifications are subject to change without notice;
 - Performance data for 20°C ambient temperature, 70% relative humidity and 1.01325 bar (abs.) atmospheric pressure.
 * Pout = 300 mbarg (min.)



VSA

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W 08° 38' 36"