

## PS200 AIR

### Solar operated, piston surface pump for air pumping

- differential pressure up to 0.6 bar (air)
- flow rate up to 4.0 m<sup>3</sup>/h (air)
- simple installation
- maintenance free
- high reliability and life expectancy
- cost-efficient pumping

#### Application

- pond ventilation
- oxygen enrichment of waters
- etc.



#### Performance

pump system	PS200 AIR
max. differential pressure [bar]	0.6
max. flow rate [m <sup>3</sup> /h]	4.0
solar operation	nominal voltage 24-48 V DC open circuit voltage max. 100 V DC
solar generator [Wp]	80-250
battery operation	nominal voltage 24 -48 V DC

#### Components

Mode of operation	solar direct	battery
pump	PS200 Air Piston	
motor	ECDRIVE 200 AIR	
controller	PS200	



#### Pump

- piston pump (positive displacement pump)
- integrated pressure relieve valve
- automatic condensate removal
- piston seal for continuous dry running

#### Motor

- brushless, maintenance free DC motor

#### Controller

- controlling of the pump system and monitoring of the operating states
- two control inputs pressure switches, remote control etc.
- overload protection
- PS200: speed control, max. pump speed adjustable to reduce flow rate to approx. 50 %
- solar operation: integrated MPP tracking
- battery operation: low voltage disconnect and restart after battery has recovered ( 24V or 48V systems)
- max. efficiency 92 % (motor + controller)

#### How To order

# 4010 PS200 AIR includes

- Motor ECDRIVE 200 AIR
- Pump PS200 AIR Piston
- Controller PS200

PS200 AIR Performance Chart PV or Battery									
24V (Battery)					30-60V				
Total Lift						(2-4 solar modules wired in Series or 48V Battery)			
PSI	Meters	L/h	US-G/h	CFM	Watts	L/h	US-G/h	CFM	Watts
1,4	1	3100	819	1,8	86	4000	1057	2,4	125
2,8	2	2850	753	1,7	94	3750	991	2,2	135
4,3	3	2500	661	1,5	99	3400	898	2,0	143
5,7	4	2200	581	1,3	104	3000	793	1,8	150
7,1	5	1500	396	0,9	109	2150	568	1,3	155
8,6	6	550	145	0,3	112	1000	264	0,6	160

Actual performance may vary 10% from specifications