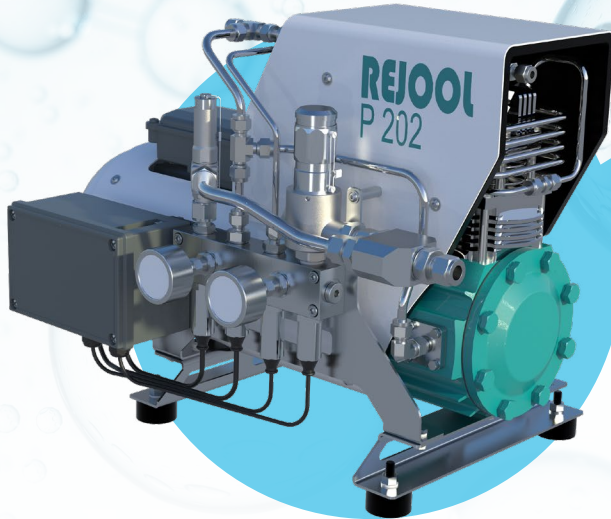




ELECTRO-MECHANICAL COMPRESSOR PIONYR P 202

UP TO 300 BAR
FLOWRATE OF UP TO 5 NM³/H



Electromechanical compressor PIONYR P 202

Electromechanical Compressor for simple installation in non-industrial applications.

This hermetically gas-tight, oil-less, dry-running piston compressor features a contactless and wear-free magnetic coupling. An optional control unit is available for seamless EMS integration, allowing for standardised plug-and-play connectivity. Easily connect and visualise all necessary data within your EMS for quick and efficient monitoring.

Designed for easy maintenance and long service life, this compressor is highly recommended for use with our HydroCab® solutions and can support up to 10 Enapter Electrolyser modules with an Enapter dryer.

COMPRESSION MEDIUM AND QUANTITY

Type of gas	Hydrogen
Dew point temperature at 1 bar	-50°C
Max. particle size	15 µm
Input pressure	20 - 40 bar
Output pressure	max. 300 bar
Flow rate	1 - 5 Nm ³ /h *depending on the inlet pressure, outlet pressure and motor speed

SETUP

Installation location	Indoor/outdoor installation
Installation conditions	Well ventilated, away from direct sunlight, protected from strong winds and rain
Explosion protection	Suited for Zone 2; Temperature Class: T3
Permissible ambient temperature	-10°C to +45°C
Permissible altitude	0 m to 1,000 m above sea level.
Max. permissible inclination	5°

POWER SUPPLY

Voltage	400 V (230 V with inverter on request.)
Frequency	50 Hz
Phases	3



MOTOR DATA

Power	1.1 kW
Protection class	IP 55

EMISSIONS

Sound pressure level	<70 dB (A)
Outlet temperature	<100°C
Leakage	0.001 mbar l/s

DECLARATIONS

EU Declaration of Conformity	2014/34/EU, ATEX Directive
	2023/1230EU, Machinery Regulation
Manufacturers Declaration	2014/68/EU, Pressure Equipment Directive „SEP“
	2014/35/EU, Low Voltage Directive
	1907/2006/EC, REACH-Chemical Regulations
	2009/125/EC, Ecodesign Directive

