SCHMALZ

FANUC
FIELD system

Energy and Process Control App

CONNECT   MONITOR   THINK   DRIVE

DESCRIPTION

The Energy and Process Control App connects Schmalz intelligent products with our customers FIELD system platform – in a Plug & Work manner. The app identifies connected devices automatically, visualises them and stores the device data in the FIELD system database. It contains the Energy and Process Control dashboard for Schmalz vacuum systems with a visualisation of relevant condition and performance indicators. The Energy and Process Control App helps customers to avoid unplanned downtimes, to better plan maintenance actions and to increase overall equipment effectiveness.

KEY BENEFITS

- Plug & Work connectivity of Schmalz intelligent products to FANUC FIELD system
- Access to valuable information
- Use data in third party FIELD system applications
- Overview of relevant condition and performance indicators for the vacuum system
- Prevent unplanned downtimes
- Clear and understandable warning messages
- Better insight into the vacuum system
- Better planning of upcoming maintenance actions
- Increase Overall Equipment Effectiveness (OEE)

KEY FEATURES

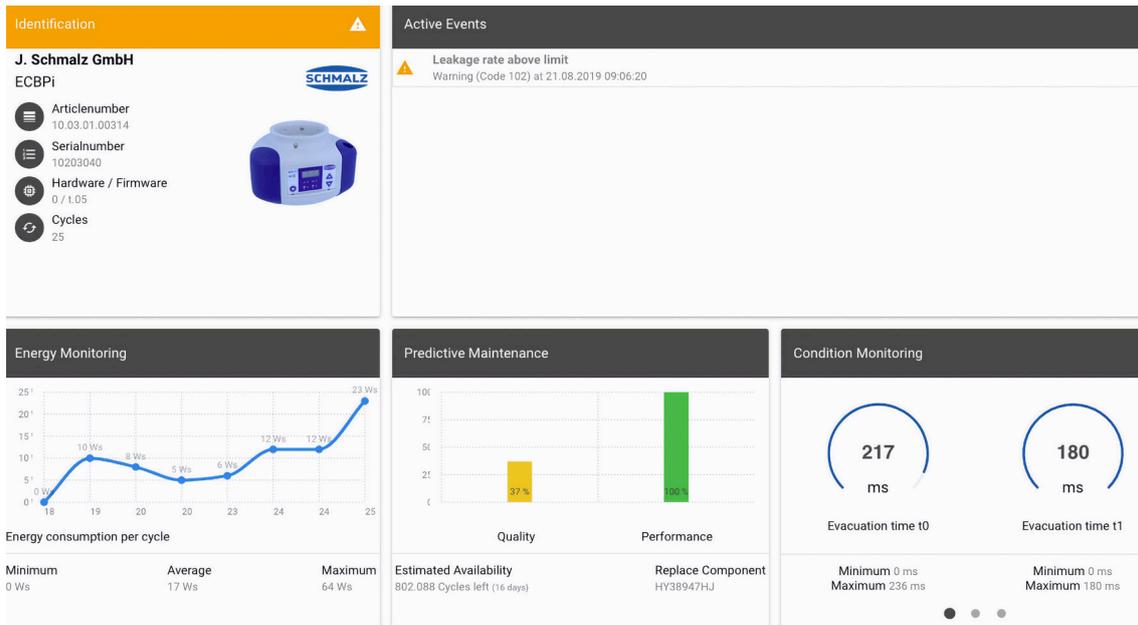**Plug & Work Connectivity of Schmalz intelligent products:**

- **No need for configuration:**
  Access to valuable information regarding condition and service of vacuum systems
- **Overview and detailed information of connected devices:**
  Basic device description, Device ID
- **Dashboard with energy and process control information:**
  Energy data: air consumption

  Condition monitoring: cycle count, leakage rate, evacuation time, free flow vacuum, clear and understandable warning and error messages

  Predictive maintenance: higher quality and better performance

FIELD system Partners

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APP PREVIEW

Identification ⚠

J. Schmalz GmbH
ECBPi

SCHMALZ

Articlenumber
10.03.01.00314

Serialnumber
10203040

Hardware / Firmware
0 / t.05

Cycles
25

Active Events

⚠ Leakage rate above limit
Warning (Code 102) at 21.08.2019 09:06:20

Energy Monitoring

23 Ws

10 Ws   8 Ws   5 Ws   6 Ws   12 Ws   12 Ws

18 19 20 20 23 24 24 25

Energy consumption per cycle

Minimum	Average	Maximum
0 Ws	17 Ws	64 Ws

Predictive Maintenance

37 %   100 %

Quality   Performance

Estimated Availability
802.088 Cycles left (16 days)

Replace Component
HY38947HJ

Condition Monitoring

217 ms
Evacuation time t0

180 ms
Evacuation time t1

| Minimum 0 ms | Minimum 0 ms |
| Maximum 236 ms | Maximum 180 ms |

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FIELD system Partners

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