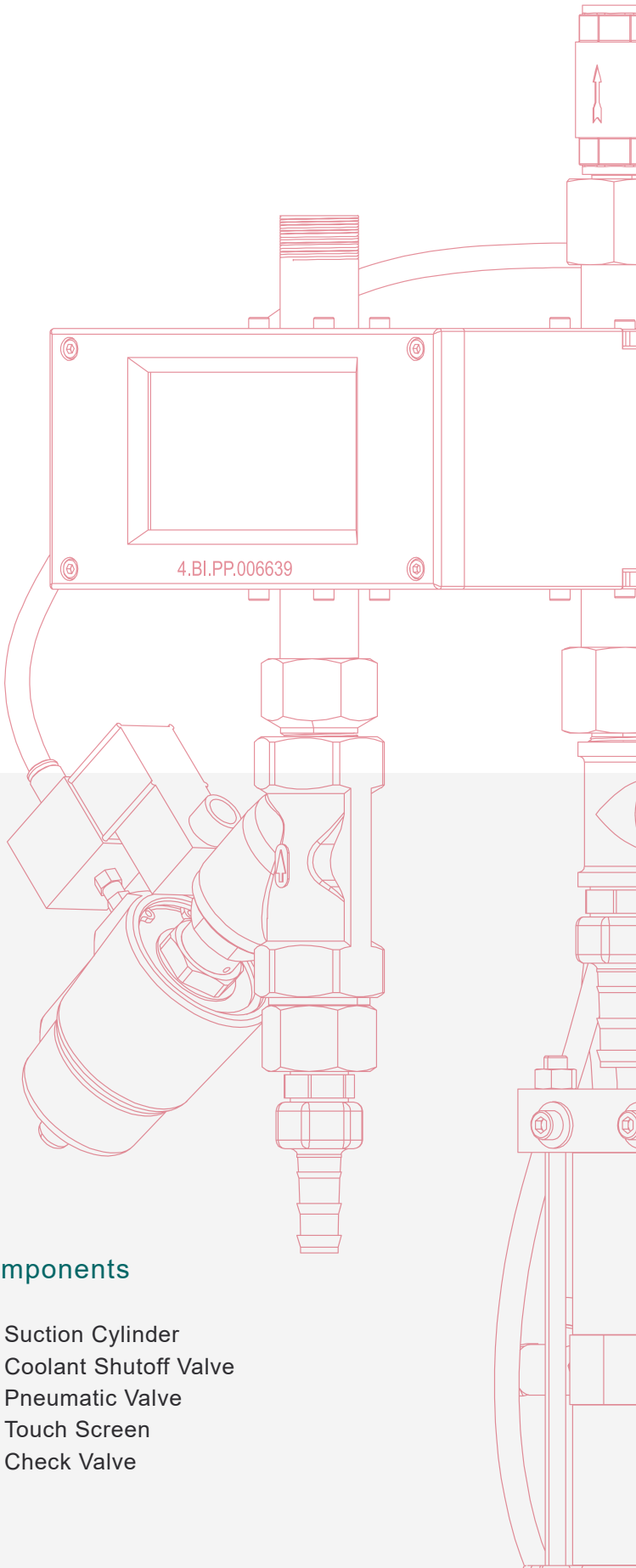
BECKER Robotic

MANAGEMENT TECHNOLOGY

Overview

The Cool Control -2.0 by Becker Robotic is an advanced coolant flow controller and leak detector for industrial welding. It features an Ethernet control interface, vortex flow sensing technology, and dual cap-off detection algorithms for accurate leak detection. The user-friendly web browser interface allows easy monitoring and control. With a flow range of 6.0 – 50 LPM and coolant temperature range of 4.0 – 110 °C, it ensures reliability and efficiency.



Key Features

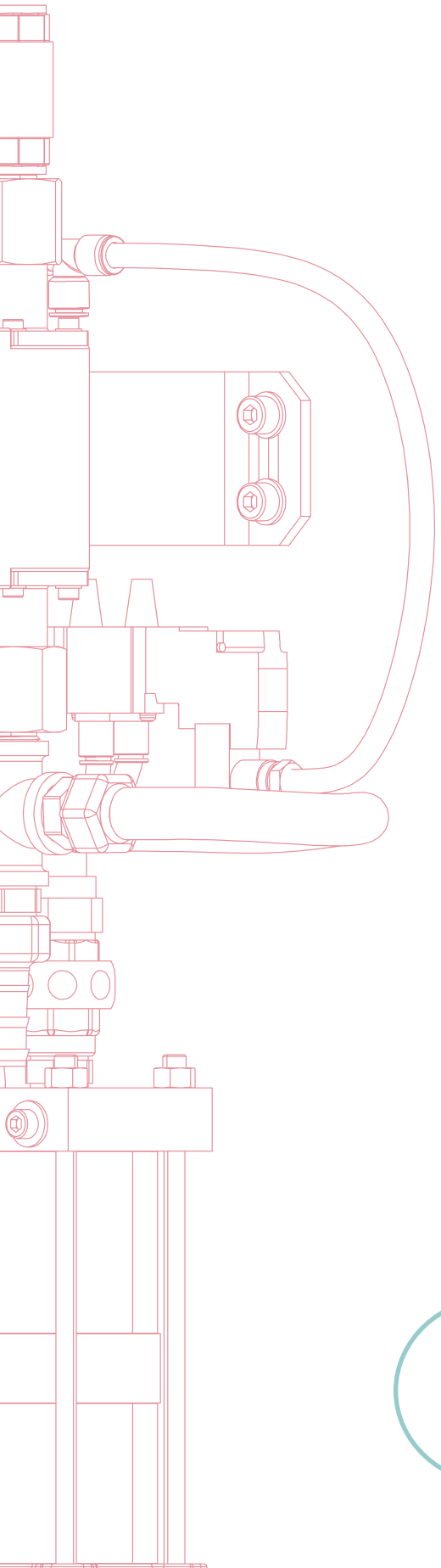
- Ethernet Control Interface:
  Real-time status with visual indicators.
- Vortex Flow Sensing:
  Accurate coolant flow measurement.
- Leak Detection:
  Dual algorithms for precise identification.
- User-Friendly Interface:
  Web browser access with intuitive controls.

Performance

- Flow Range: 6.0 – 50 LPM (1.5 – 13 GPM)
- Pressure: 83 – 620 kPa (12 – 90 psi)
- Temperature: 4.0 – 110 °C (39 – 230 °F)
- Leak Detection Time: 0.3 – 1.0 sec.
- Accuracy: ± 3% of full scale

Components

- Suction Cylinder
- Coolant Shutoff Valve
- Pneumatic Valve
- Touch Screen
- Check Valve



Operational Status Indicators & Setup Guide

The system’s operational status indicators include coolant flow, temperature, shutoff valve status, and leak detection. Measured values such as coolant flow rate and circuit outlet temperature are monitored for optimal performance. The user interface features keys for resetting faults, controlling the shutoff valve,and managing leak detection. Installation involves plumbing alignment, leak checks, electrical connections to 24 VDC power and network, and ensuring optimal coolant flow detection.

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