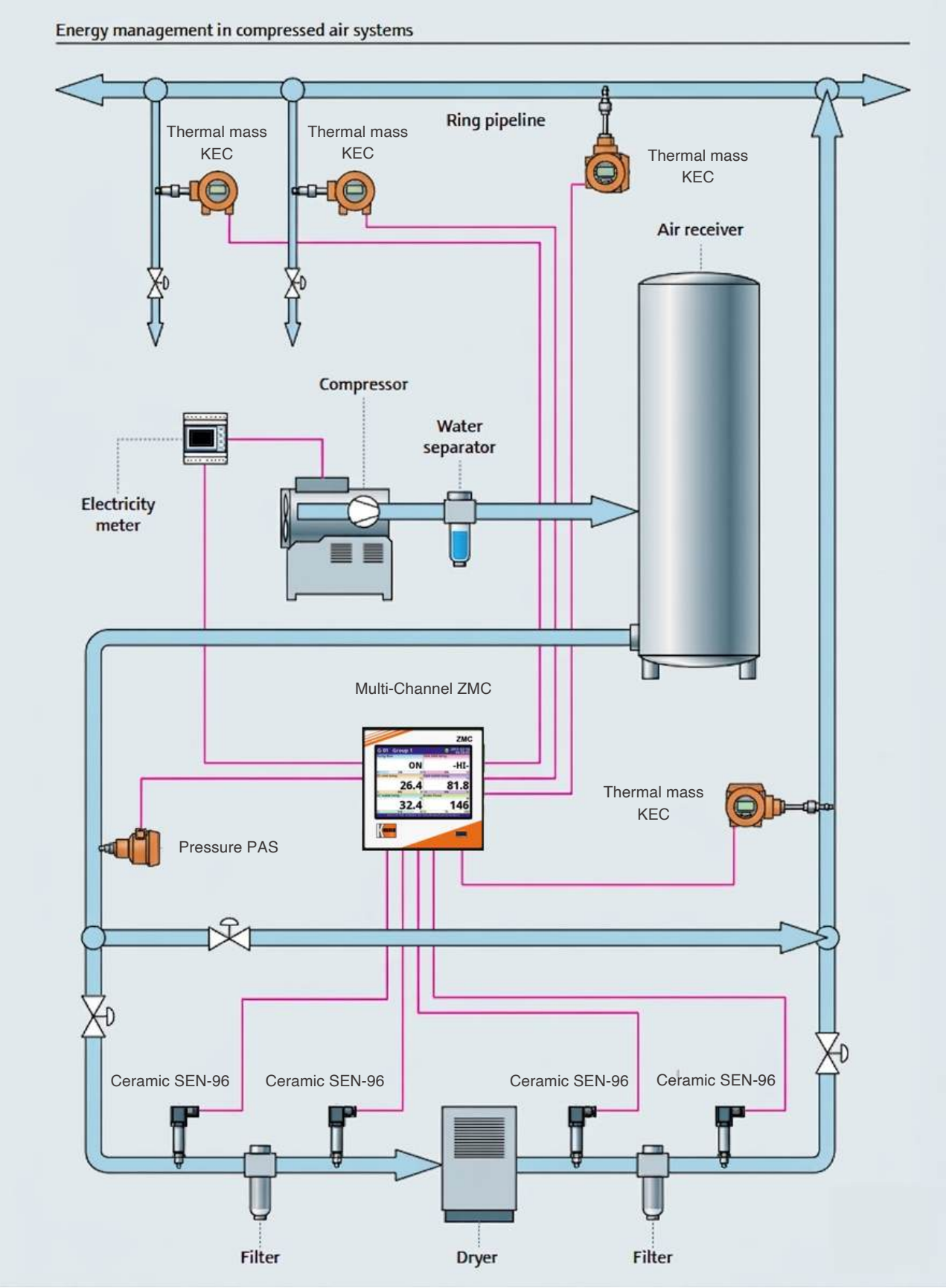

Compressed air
Deman
Deman


Energy management in compressed air systems
Ring pipeline
Thermal mass KEC
Thermal mass KEC
Thermal mass KEC
Air receiver
Compressor
Water separator
Electricity meter
Multi-Channel ZMC
ZMC
ON
-HI-
26.4
81.8
32.4
146
Thermal mass KEC
Pressure PAS
Ceramic SEN-96
Ceramic SEN-96
Ceramic SEN-96
Ceramic SEN-96
Filter
Dryer
Filter

Kobold solution for Compressed air systems

Flow measurement for dry air
Model: Thermal mass KEC

- Direct mass flow rate measurement of gases
- Measuring accuracy: ±1.0% of reading (on request)
- p_{max} 100 bar, t_{max} 180 °C
- Fast response time
- No moving parts
- Analogue output, Modbus RTU and impulse output
- ATEX approval

Flow measurement for liquids, air and steam
Model: Vortex flow meter DVH

- Energy consumption (monitoring)
- p_{max}: 100 bar abs; t_{max}: 400°C
- Connection: ANSI ½"...ANSI 8", DN15...DN200
- Output: 4 - 20 mA, HART® Protocol, Modbus
- Integrated temperature and pressure measurement
- Measurement of mass and density possible
- ATEX, IECEx

Pressure measurement
Model: PAS / Ceramic sensor SEN-96

- Data configuration with HART® configurator
- Measuring of gauge and absolute pressure
- Self-diagnostic function: sensor, memory A/D converter
- Digital communication with HART® protocol
- ATEX-approval

Data Logger
Model: Multi-Channel ZMC

- Multi-Channel controller
- Communication: RS-485/232, USB Host, Ethernet
- Protocol: Modbus RTU Master or Slave, Modbus TCP Server
- Display: graphic TFT 3,5" or 5,7", touchscreen
- Data memory: 4 GB