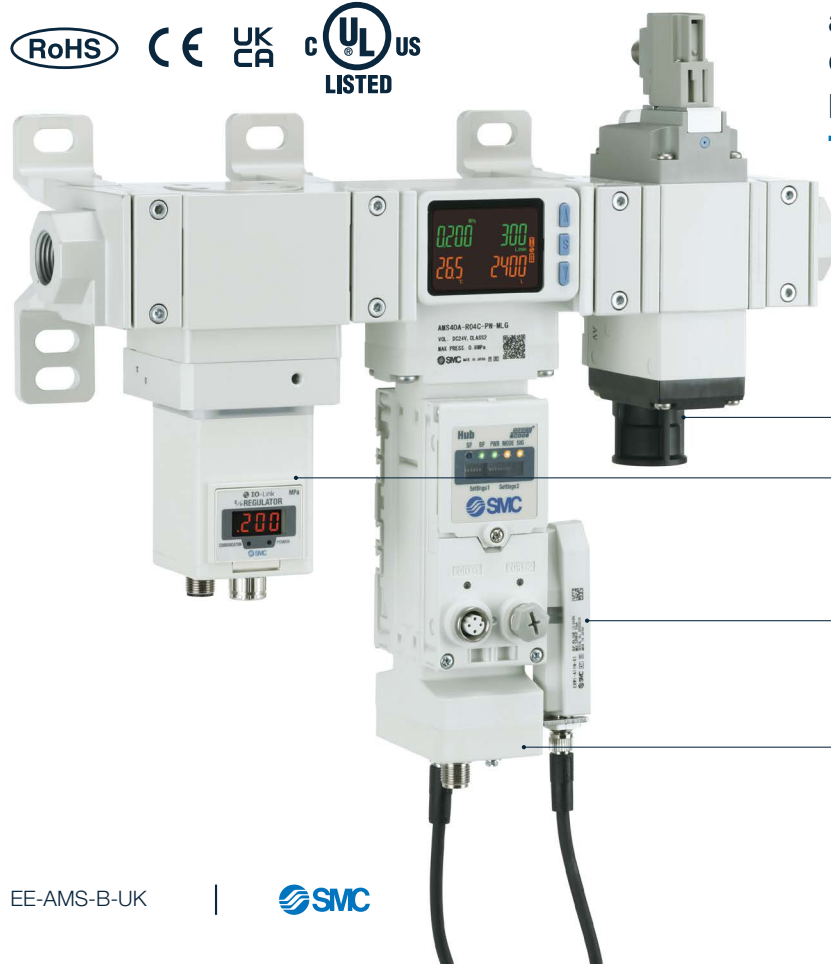


Air Management System

Sustainability – Condition Based Maintenance – Digitalisation

AMS20/30/40/60 Series +



Monitors the machine standby conditions (when production stops) and automatically decreases the pressure.

Residual pressure relief valve
Secondary air supply or shut-off (exhaust) switching.

Standby regulator
Switch pressure between operation and standby.

Wireless adapter
(Accessories)

Air management hub
Flow rate, pressure, and temperature sensing.
Communication function.

MAIN FEATURES

Air consumption reduced by 62 %

Monitors the machine standby conditions (when production stops) and automatically decreases the pressure.
Reduces unnecessary air consumption.

Compatible with OPC UA

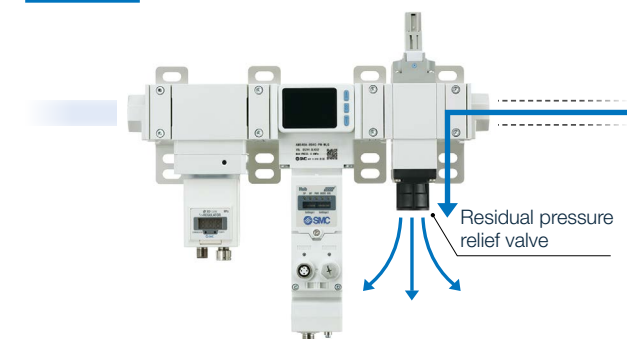
Direct connection enables data communications.

Compatible with PROFINET, EtherNet/IP,

IO-Link and EtherCAT.

Compatible with SMC wireless systems

- Communication cables not required
- High security using unique encryption
- Communication distance: max. 100 m.



Air Management System case study

An analysis of a pneumatic stations within medical equipment in a laboratory revealed that system leaks and unnecessary compressed air consumption during machine stops were generating annual losses of approximately 2,197 € per machine — including 549 € from leaks and 1,648 € from air usage during idle periods. With seven similar machines in operation, total annual losses were estimated at nearly 15,418 €. After implementing the AMS40 to help with monitoring, leak awareness, and automatic shut-off of compressed air during breaks and downtime, the customer significantly reduced air consumption.

Key customer benefits:

- Prediction, efficient response to leaks
- Monitoring of parameters.

Investment	11,830 €
Annual saving	15,029 €
ROI	9.4 months
Annual CO ₂ reduction	33,402 kg

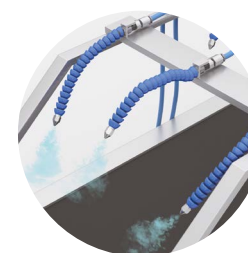
SELECTED PART NUMBERS

Part number	Port size	Standby regulator	Flow range [l/min]	Protocol
AMS30A-F03D-PN-KLG	G3/8	Electro-pneumatic	10 to 1000	Profinet, OPC UA or wireless base
AMS40A-F04D-PN-KLG	G1/2		20 to 2000	
AMS30A-F03D-EN-KLG	G3/8		10 to 1000	EtherNet/IP™, OPC UA or wireless base
AMS40A-F04D-EN-KLG	G1/2		20 to 2000	
AMS30A-F03D-SA-KLG	G3/8		10 to 1000	Standalone or wireless remote
AMS40A-F04D-SA-KLG	G1/2		20 to 2000	
AMS30B-F03D-PN-KLG	G3/8	Manual	10 to 1000	Profinet, OPC UA or wireless base
AMS40B-F04D-PN-KLG	G1/2		20 to 2000	
AMS30B-F03D-EN-KLG	G3/8		10 to 1000	EtherNet/IP™, OPC UA or wireless base
AMS40B-F04D-EN-KLG	G1/2		20 to 2000	
AMS30B-F03D-SA-KLG	G3/8		10 to 1000	Standalone or wireless remote
AMS40B-F04D-SA-KLG	G1/2		20 to 2000	

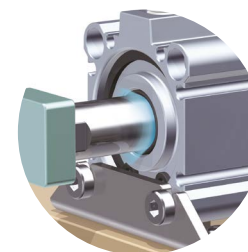
APPLICATIONS

Any application where the customer needs to monitor and control the production times and air consumption:

- Packaging
- Automotive industry
- Manufacturing industry
- Machine tool industry
- Textile industry
- Forestry and paper industries
- Electronics industry
- Food industry
- Life science.



Blow and purge in equipment standby



Leakage from cylinder due to worn seals