



Speed controller

Air saving

AS-R/AS-Q Series +

RoHS

Mounting and operation are the same as a regular speed controller.



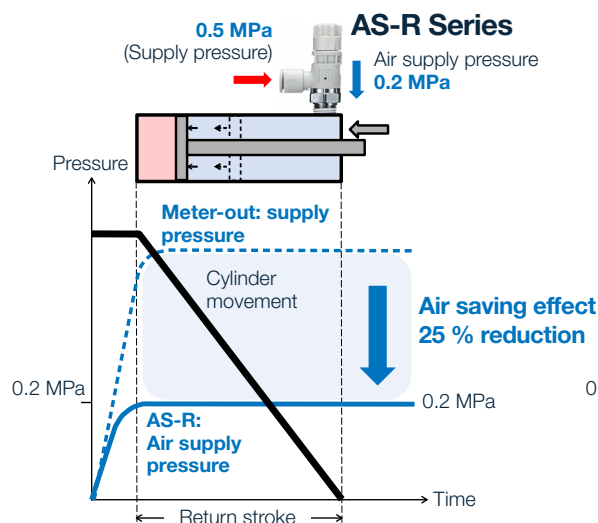
MAIN FEATURES

85 % reduction in size

Combines the functions of a regulator and speed controller.

Air consumption reduced by 25 %

The supply pressure at the return stroke is reduced to 0.2 MPa with AS-R series.



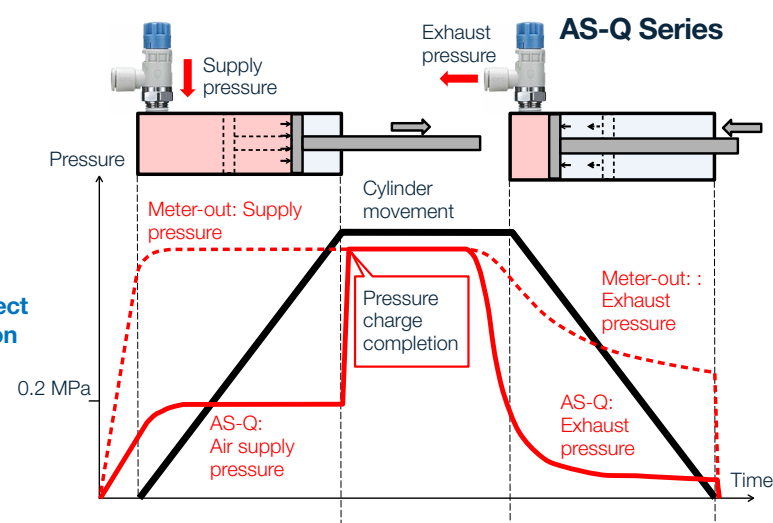
Easy adjustment

Lurch prevention

ENERGY EFFICIENCY DIGITAL SHEET



Rapid supply and exhaust function with AS-Q series.



AS-R/AS-Q case study

A manufacturer of window and door fittings used AS-R/AS-Q valves in an existing pneumatic press cylinder application to optimise air consumption. In the original setup, full pressure was applied in both directions, even though force was only required on the forward stroke. By regulating the return stroke to fixed pressure and constant speed, compressed air usage was significantly reduced. Calculations based on a Ø 100 mm, 300 mm stroke cylinder at 6 bar demonstrated potential savings of up to 25 % per cylinder.

Key customer benefits:

- Reduction of air consumption
- Reduction of energy costs
- Reduction of CO₂ emissions.

Investment	60 €
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Annual saving	446 €
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ROI	1.6 months
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Annual CO ₂ reduction	226 kg
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SELECTED PART NUMBERS

AS-R Series

Part number	Maximum flow rate [l/min]	Port size	Tube Ø [mm]
AS22R-G01-06	88	G1/8	6
AS22R-G01-08			8
AS22R-G02-06			6
AS22R-G02-08	200	G1/4	8
AS32R-G02-08			10
AS32R-G02-10			10
AS32R-G03-08	375	G3/8	8
AS32R-G03-10			10
AS42R-G03-10			12
AS42R-G03-12		G1/2	10
AS42R-G04-10			12
AS42R-G04-12			

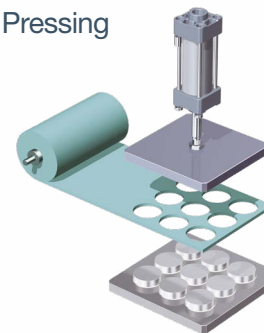
AS-Q Series

Part number	Maximum flow rate [l/min]	Port size	Tube Ø [mm]
AS22Q-G02-06	66	G1/4	6
AS22Q-G02-08			8
AS32Q-G02-06	250	G3/8	6
AS32Q-G02-08			8
AS32Q-G03-08			10
AS32Q-G03-10	335	G1/2	12
AS42Q-G03-10			10
AS42Q-G03-12			12
AS42Q-G04-10			10
AS42Q-G04-12			

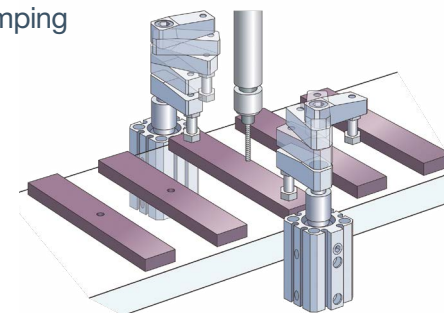
APPLICATIONS

When load is required at the end of stroke such as insertion, clamp and press, a set of AS-R and AS-Q must be used.

Pressing



Clamping



When it is needed to transfer a workpiece such as lifter or pusher, a set of AS-R and the standard AS (meter-in type) must be used.

