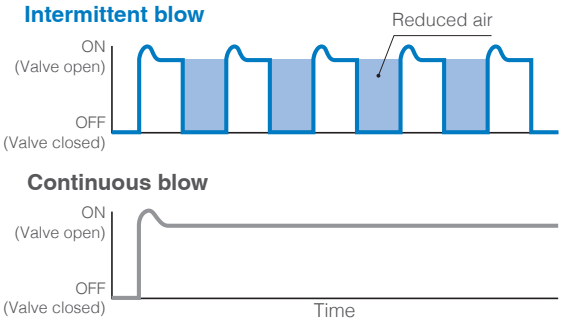
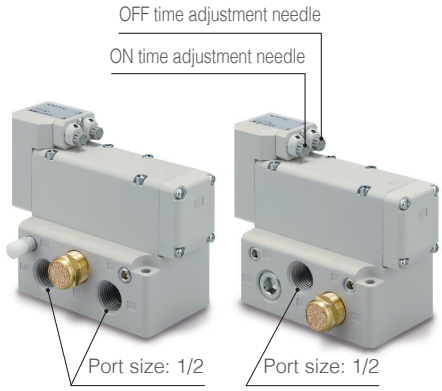
Pulse blowing valve – AXTS Series

CO_2 emissions
(Air consumption)

50 % reduction

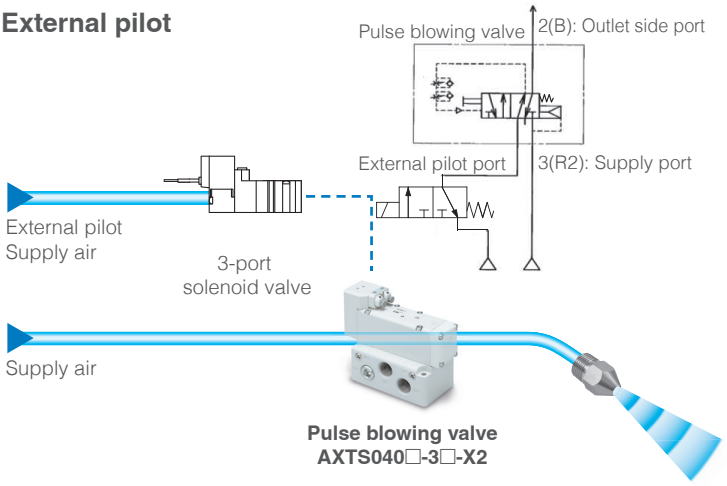
Proposal for air-saving air blow by changing from continuous blow to intermittent blow



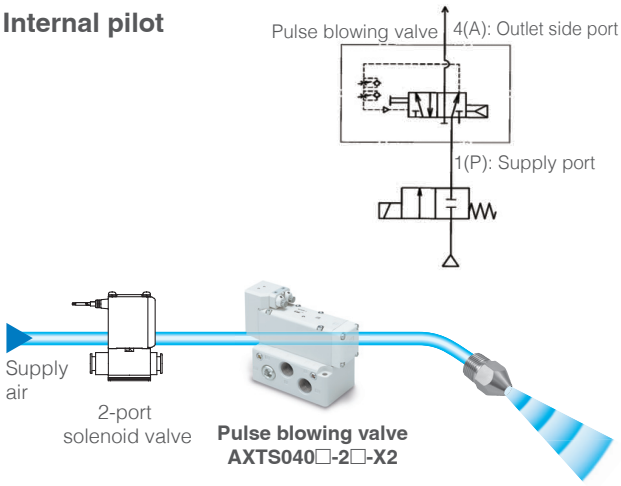


▶ **Control for pulse generation is not required.** Pulse blow can be used by simply supplying air.

External pilot



Internal pilot



▶ **Long service life (200 million cycles or more)**

▶ **ON/OFF time adjustable individually**

▶ **Flow rate characteristics**

Type of actuation	C [dm³/(s·bar)]	b	Cv	Q [l/min (ANR)]*1
External pilot	14	0.18	3.4	3316
Internal pilot	12	0.14	2.9	2782

▶ **Operating pressure range: 0.2 to 1.0 MPa**

*1 These values have been calculated according to ISO 6358 and indicate the flow rate under standard conditions with an inlet pressure of 0.6 MPa (relative pressure) and a pressure drop of 0.1 MPa.

Effects of energy saving

Existing model

Air blow accounts for 50 % of all air consumption

Flow rate per nozzle:
285 l/min (ANR)

Blow time: 2 sec
Annual operating cycles: 900000

8550 m³/year (ANR)
CO_2 emissions: **501** kg/year

(**103.05** €/year)

Energy-saving model

Changing to pulse air blow

Flow rate per nozzle:
142.5 l/min (ANR)

Blow time: 2 sec. (Duty 50 %)
Annual operating cycles: 900000

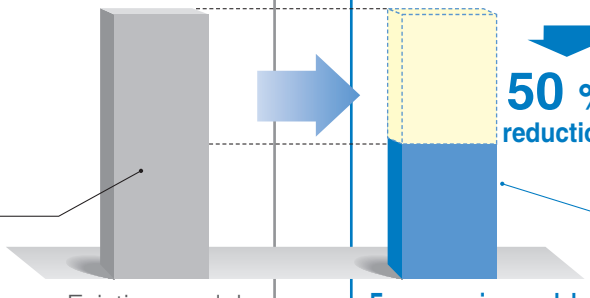
50 % reduction

4275 m³/year (ANR)
CO_2 emissions: **251** kg/year

250 kg reduction in annual CO_2 emissions

(**51.53** €/year)
(51.53 €/year reduction)

* Per nozzle



Corresponding value: Air unit 0.012 €/m³ (ANR), Air – CO_2 conversion factor 0.0586 kg/m³ (ANR)