

# 25% reduction in air consumption

Substantial reduction in air consumption is achieved by reducing the pressure to 0.2MPa on the return stroke where no work is carried out.

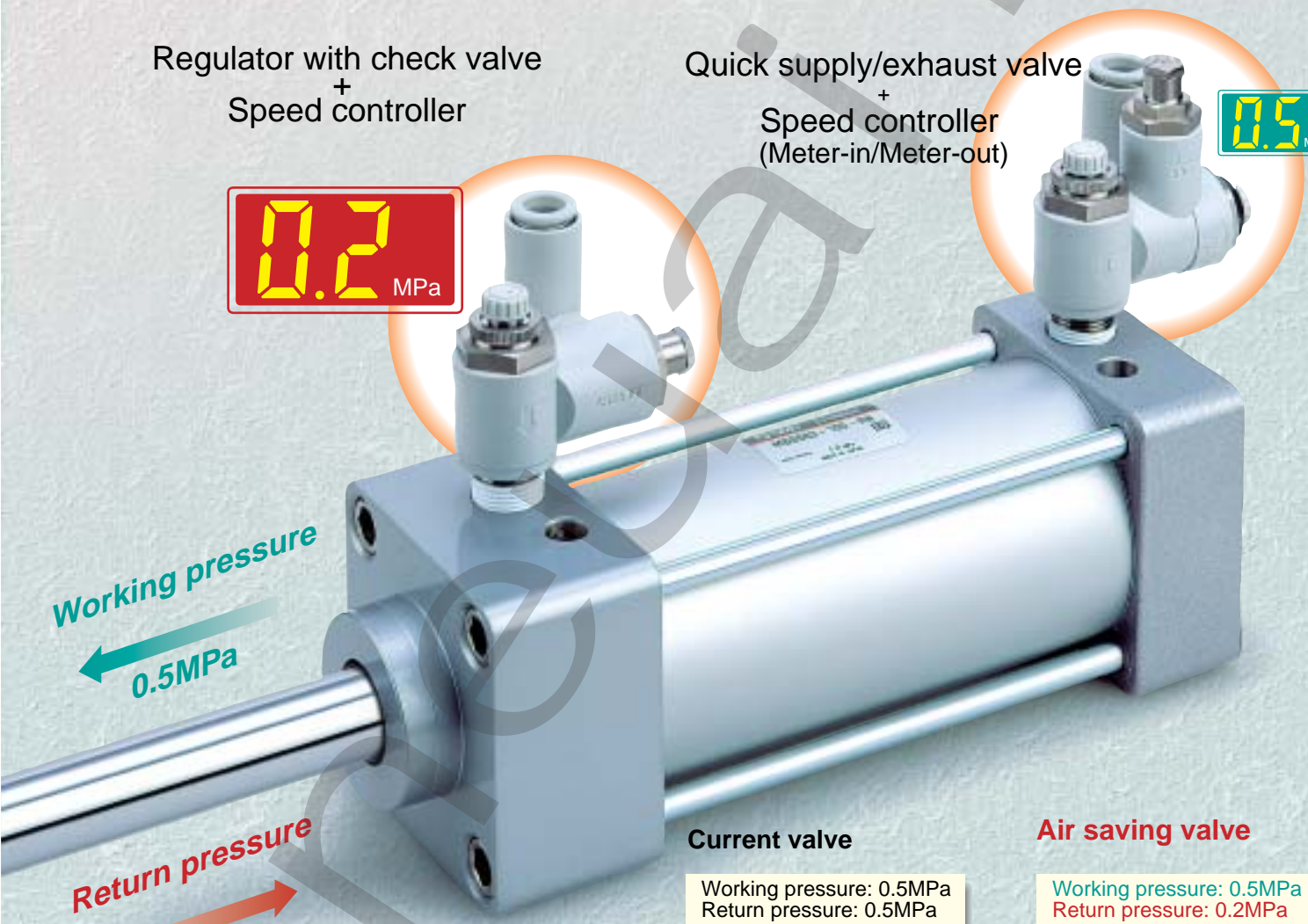
## Pressure valve

Regulator with check valve  
+  
Speed controller



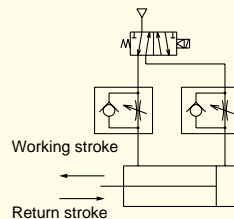
## Flow valve

Quick supply/exhaust valve  
+  
Speed controller  
(Meter-in/Meter-out)



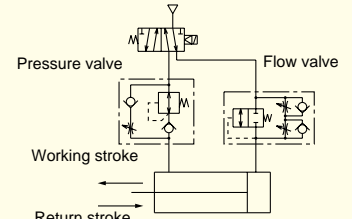
### Current valve

Working pressure: 0.5MPa  
Return pressure: 0.5MPa



### Air saving valve

Working pressure: 0.5MPa  
Return pressure: 0.2MPa



# Air Saving Valve

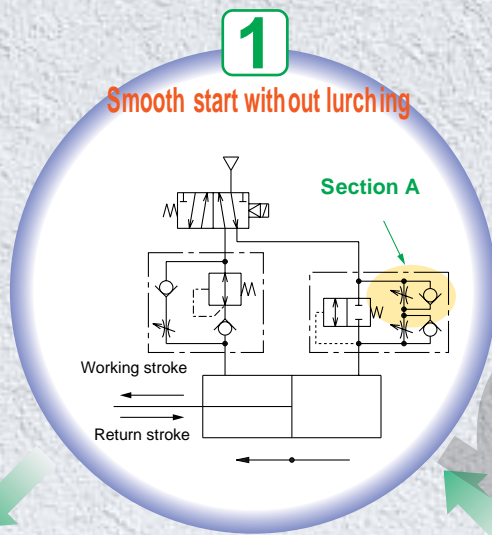
Pressure valve/Series ASR Flow valve/Series ASQ



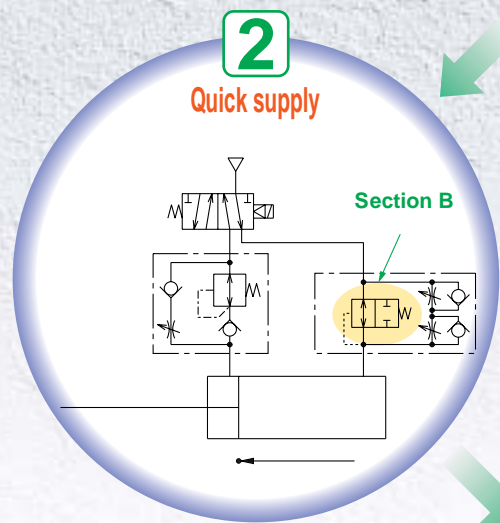
Coming out in  
January,  
2002



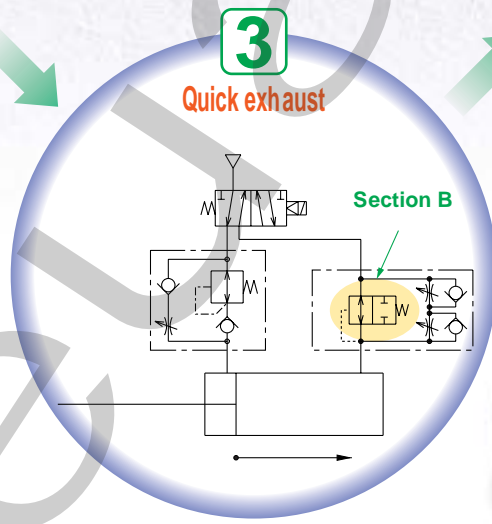
Pressure valve/ASR



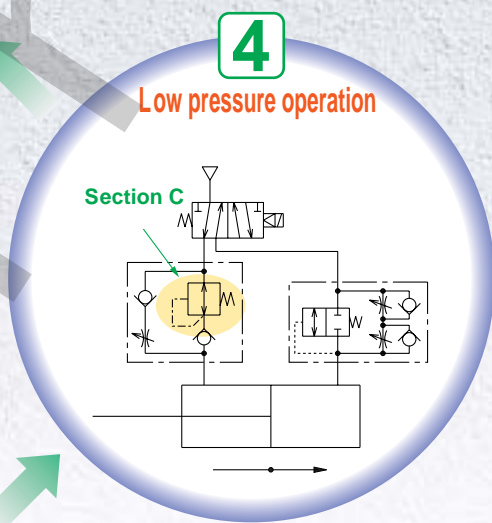
Parts in section A provide meter-in control and provide smooth operation without lurching



Parts in section B provide quick supply of pressure when the piston reaches the end of stroke



Parts in section B provide quick exhaust of supply pressure on the return stroke to shorten the delay time



Parts in section C provide low pressure on the return stroke of the piston

## Operating Principles



Flow valve/ASQ

### Model

Model		Port size	Applicable tube O.D.			
Pressure valve	Flow valve		ø6	ø8	ø10	ø12
ASR4 3 0F- 02	ASQ4 3 0F- 02	R1/4	●	●	●	●
ASR53 0F- 02	ASQ53 0F- 02	R1/4	●	●	●	●
ASR53 0F- 03	ASQ53 0F- 03	R3/8	●	●	●	●
ASR6 3 0F- 03	ASQ6 3 0F- 03	R3/8			●	●
ASR6 3 0F- 04	ASQ6 3 0F- 04	R1/2			●	●

