

Compressed air maintenance unit, series AS3-Inch

3/2-way shut-off valve (ball valve) AS3-BAV, mechanically operated, lockable,
3/8 NPT - 1/2 NPT, ATEX approved

AVENTICS®



Technical Data

Type	3/2 directional-control valve, operated by a knob, 3-fold lockable See table	
Nominal flow q _n	See table	
Secondary pressure = 91 psi and Δp = 15 psi		
Ambient temperature	-10 °C to +50 °C (14 °F to +122 °F) *	
Medium	Compressed air	
Weight	See table	
Installation position	any	

Materials	Body	Polyamide, seals Buna-N(NBR)
	Thread bushing	Die-cast zinc
	Cover	ABS
	Lockable slide plate	Zinc plated steel

ATEX:	In zone 1 (gas-ex, category 2G)
	In zone 21 (dust-ex, category 2D)
	In zone 2 (gas-ex, category 3G)
	In zone 22 (dust-ex, category 3D)

* with dried air

Knob, can be turned 90° (Open-Closed) and can be locked in the closed position with a padlock
Knob with switch position display: clockwise: inlet closed, outlet to exhaust; lengthways: inlet and outlet connected, air exhaust closed

Exhaust air can be collected (G1/2)

Air exhaust from connection A to R: nominal size 1.5 (internally throttled)



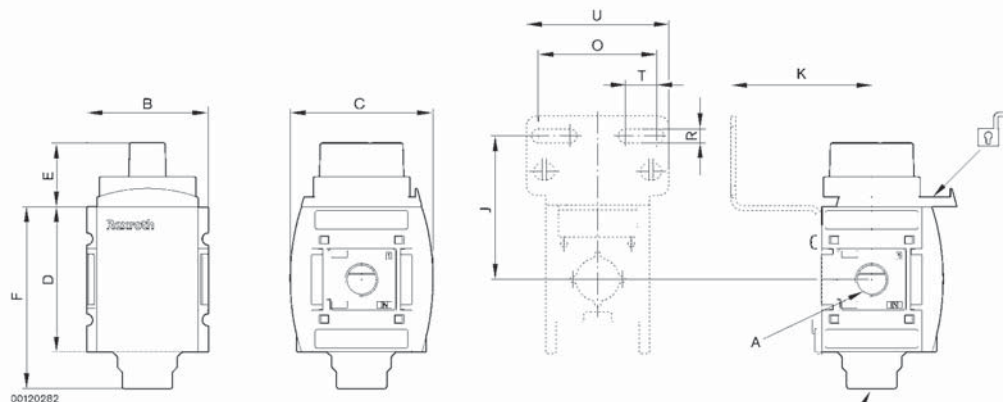
Part no.

Symbol	Threaded ports	Nominal flow q _n [CFM]	Weight [lbs]	Part no.
	3/8 NPT	159	0.983	R432002175 R432031468*
	1/2 NPT	159	0.983	R432002176 R432030552*

*Version for air flow from right to left.

Accessories (to be ordered separately)

	Accessories	Part no.
	Silencer, sintered bronze (conical)	R432031045
	Mounting plate AS2-MBR-...-W01	R432031072
	Block assembly kit AS2-MBR-...-W04	R412007371
	Mounting strap AS2-MBR-...-W03	R412007370



A	G	B	C	D	E	F	J	K	O	R	T	U
3/8" NPT	3/8" NPT	2.480	2.913	3.150	1.102	3.898	2.854	2.598	2.362	0.276	0.630	2.835
1/2" NPT	3/8" NPT	2.480	2.913	3.150	1.102	3.898	2.854	2.598	2.362	0.276	0.630	2.835

Dimensions in inches

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Compressed air maintenance unit, series AS3-Inch

Filling valve (soft start) AS3-SSV, 3/8 NPT - 1/2 NPT, ATEX approved

AVENTICS®



Technical Data

Type	Poppet valve
Operating pressure	36 ... 232 psi
Nominal flow qn	see table
Secondary pressure	91 psi and $\Delta p = 15$ psi
Ambient temperature	-10 °C to +50 °C (14 °F to +122 °F) *
Medium	Compressed air
Weight	see table
Installation position	any

Materials (body)	Polamide, seals Buna-N(NBR)
Threaded bushing	Die-cast zinc

Cover	ABS
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ATEX:	In zone 1 (gas-ex, category 2G) In zone 21 (dust-ex, category 2D) In zone 2 (gas-ex, category 3G) In zone 22 (dust-ex, category 3D)
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* with dried air

Version:

Opening pressure: approx. 50% of input pressure
Actuating method: via secondary pressure
Only for closed systems
Please observe note regarding compressed air preparation!

Slowly builds up the pressure in pneumatic installations, i.e. prevents sudden pressure build-up after a restart following mains pressure failure or EMERGENCY OFF, thus preventing dangerous, sudden cylinder movements.



Part no.

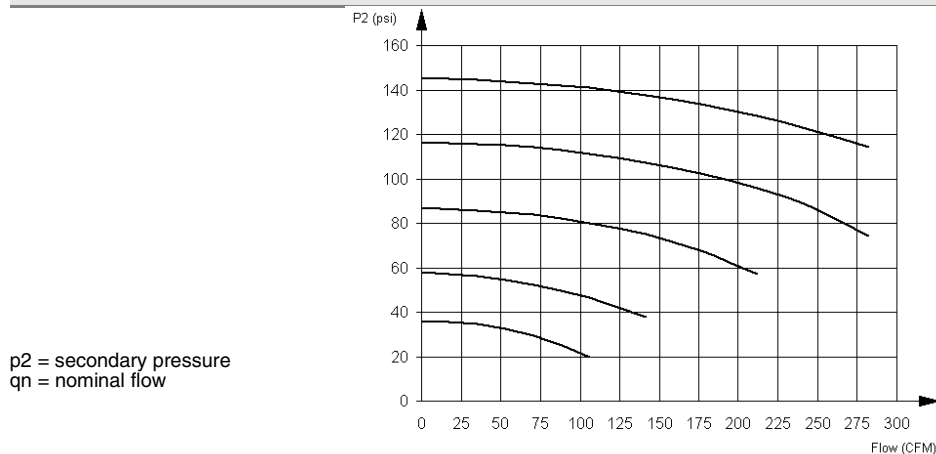
Symbol	Threaded ports	Nominal flow qn [CFM]	With options	Weight [lbs]	Part no.
	3/8 NPT	159	Filling adjustable	0.95	R432002187 R432031481*
	1/2 NPT	159	Filling adjustable	0.95	R432002188 R432003281*

*Version for air flow from right to left.

Accessories (to be ordered separately)

	Accessory	Part no.
	Mounting plate AS3-MBR-...-W01	R432031072
	Mounting strap AS3-MBR-...-W03	R412007370
	Block assembly kit AS3-MBR-...-W04	R412007371

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

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