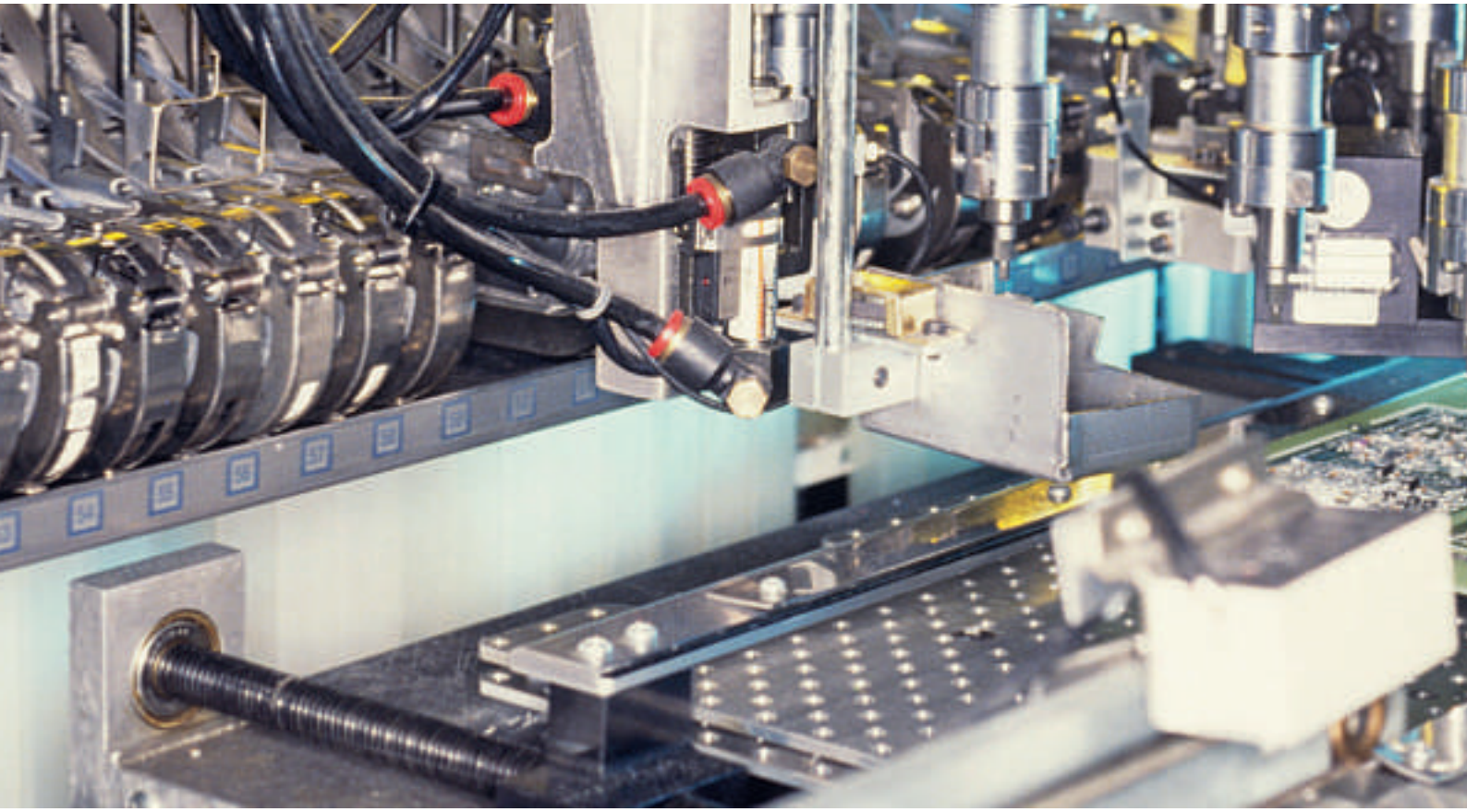
SaveAir®

In-line pre-set energy-saving miniature regulator.



The SaveAir® regulator is an independent diaphragm regulator that can be installed in every compressed air system. It supplies a constant, exact outlet pressure regardless of the input pressure. The pressure is factory-set and cannot be changed.

SaveAir® prevents *dynamic pressure waste*. This arises when the pressure and flow at the withdrawal point are unnecessarily higher than those specified by the manufacturer to achieve the desired function. *Dynamic pressure waste* is extremely costly, a waste of energy that may be found throughout industry.

SaveAir®

In-line pre-set energy-saving miniature regulator.

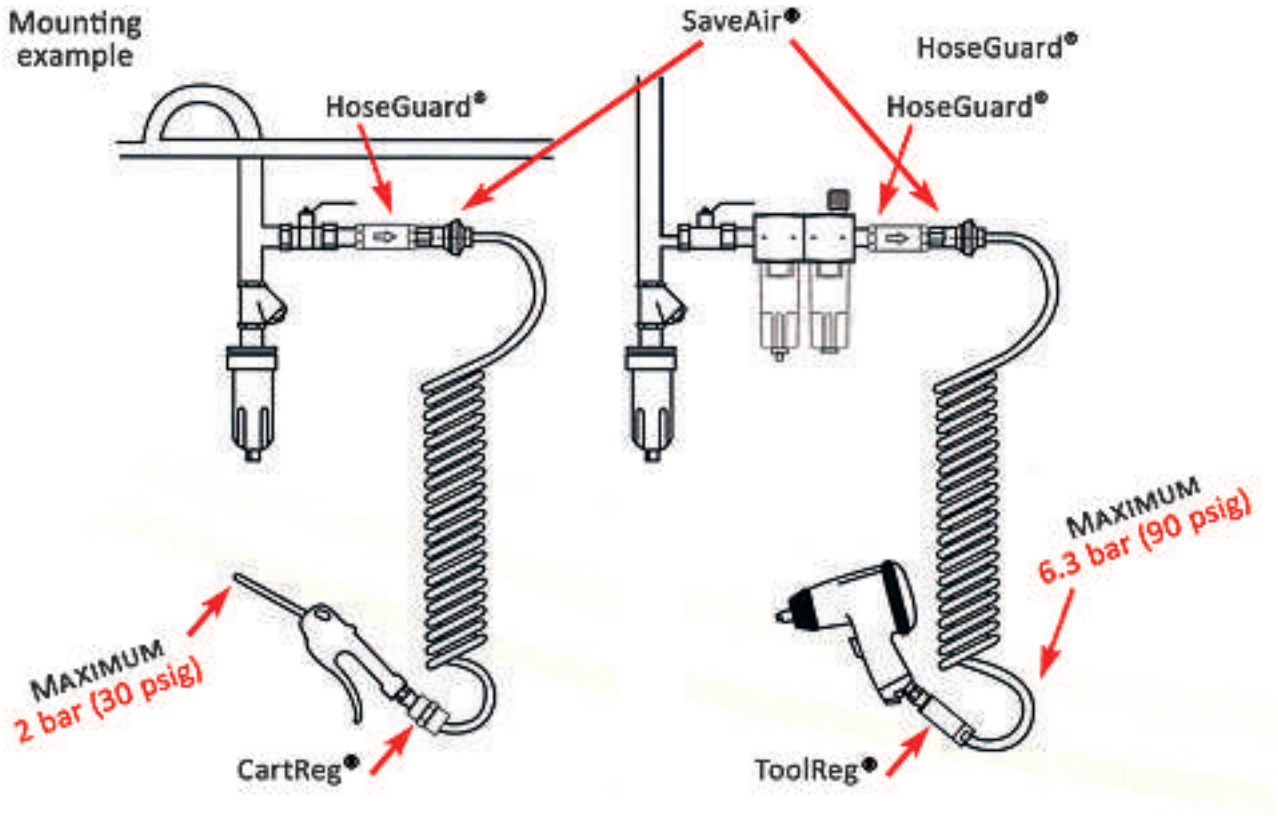
Product Benefits:

- Supplies tools exclusively with the specified pressure
- No pressure gauge needed
- Prevents compressed air wastage
- Saves energy – reduces costs
- Highly reliable
- Locked to prevent pressure change – tamper proof
- Small and compact
- Increases tool service life

Applications:

- Piping and compressed air systems
- Compressed air used in automation for actuation
- Control, feeding or transportation
- Pick and place units in automatic assembly systems

Installation example:



Technical Data and Ordering Information

SaveAir®

Installation: The regulator ensures that a constant pressure is always maintained, despite the normal pressure fluctuations in a system. To avoid unnecessary loss of pressure in long pipes or hoses, the regulator has to be mounted as close as possible to the point of consumption.

Medium: Compressed Air

Thread Connection	Outlet Pressure	Tolerances* (at 10 ltrs. Min)	Flow Ltrs./min - scfm At 12 bar/174 psig - Ltrs./Min. Δp:0,5 bar / 7 psig	Dimensions (mm) A	Dimensions (mm) Across Flat	Weight Gram	Maximum Inlet Pressure	Temperature Range	Material	Order Code
BSP	**1/4 BSP SaveAir female-female**									
1/4	1 bar	+/- 0,3 bar / 4.35 psig	400 / 14,2	52	17	80	18 bar 255 psig	0°C to 60°C 32°F to 140°F	Housing: Zinc Diaphragm: NBR Piston: Brass Spring: Stainless Steel, O-Ring: Nitrile Rubber, Valve Seat: PPH	231A0210
1/4	1.5 bar	+/- 0,3 bar / 4.35 psig	400 / 14,2							231A0215
1/4	2 bar	+/- 0,3 bar / 4.35 psig	600 / 21.3							231A0220
1/4	2.5 bar	+/- 0,3 bar / 4.35 psig	600 / 21.3							231A0225
1/4	3 bar	+/- 0,3 bar / 4.35 psig	700 / 24.7							231A0230
1/4	3.5 bar	+/- 10%	700 / 24.7							231A0235
1/4	4 bar	+/- 10%	700 / 24.7							231A0240
1/4	4.5 bar	+/- 10%	700 / 24.7							231A0245
1/4	5 bar	+/- 10%	700 / 24.7							231A0250
1/4	5.5 bar	+/- 10%	700 / 24.7							231A0255
1/4	6 bar	+/- 10%	800 / 28.3							231A0260
1/4	6,5 bar	+/- 10%	800 / 28.3							231A0265
1/4	7 bar	+/- 10%	800 / 28.3							231A0270
1/4	8 bar	+/- 10%	800 / 28.3							231A0280
NPT	**1/4" NPT SaveAir female-female**									
1/4"	15 psig	+/- 0,3 bar / 4.35 psig	400 / 14,2	52	17	80	18 bar 255 psig	0°C to 60°C 32°F to 140°F	Housing: Zinc Diaphragm: NBR Piston: Brass Spring: Stainless Steel, O-Ring: Nitrile Rubber, Valve Seat: PPH	231AS1215
1/4"	23 psig	+/- 0,3 bar / 4.35 psig	400 / 14,2							231AS1223
1/4"	30 psig	+/- 0,3 bar / 4.35 psig	600 / 21.3							231AS1230
1/4"	35 psig	+/- 0,3 bar / 4.35 psig	600 / 21.3							231AS1235
1/4"	45 psig	+/- 0,3 bar / 4.35 psig	700 / 24.7							231AS1245
1/4"	50 psig	+/- 10%	700 / 24.7							231AS1250
1/4"	60 psig	+/- 10%	700 / 24.7							231AS1260
1/4"	65 psig	+/- 10%	700 / 24.7							231AS1265
1/4"	75 psig	+/- 10%	700 / 24.7							231AS1275
1/4"	80 psig	+/- 10%	700 / 24.7							231AS1280
1/4"	90 psig	+/- 10%	800 / 28.3							231AS1290
1/4"	95 psig	+/- 10%	800 / 28.3							231AS1295
1/4"	100 psig	+/- 10%	800 / 28.3							231AS12100
1/4"	120 psig	+/- 10%	800 / 28.3							231AS12120
On request:	**Other pre-set pressures / FPM diaphragm**									

*Tolerances Test medium: Air, Pe = 6 bar/90 psig (at Pa <= 4 bar/60 psig), 10 Nl/Min / 0,35 scfm
Test medium: Air, Pe = 10 bar/150 psig (at Pa >= 4 bar/60 psig), 10 Nl/Min / 0,35 scfm