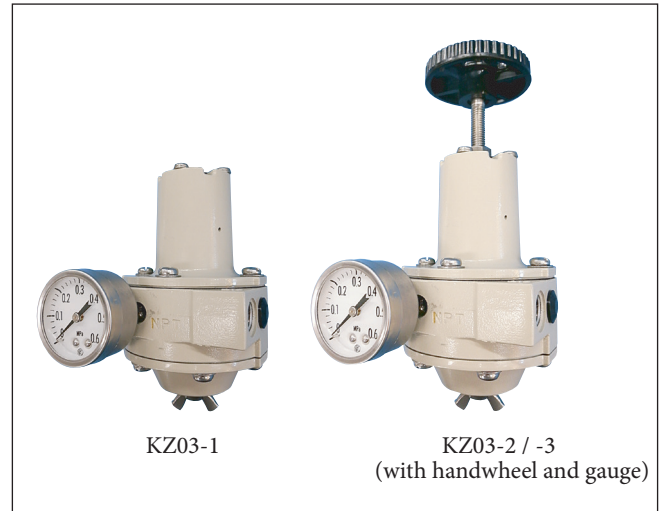


Regulator with Filter

Model KZ03

OVERVIEW

The Regulator with Filter provides a constant pressure of clean, dry supply air to pneumatic instruments and control valves. An air-set incorporated with a pressure adjustment wheel can be used for manual driving of a pneumatic cylinder and for manual setting of a pneumatic signal.



SPECIFICATIONS

Model no.	KZ03-1	KZ03-2	KZ03-3	
Primary pressure (kPa)	Secondary pressure +50 or more (970 max.)			
Secondary pressure (kPa)	140 ± 4 (fixed)	12 to 400 (variable)	12 to 700 (variable)	
Performance				
Pressure regulation	Change of secondary pressure (kPa)	140 ± 4 for primary pressure change of 200 to 970	400 ± 4 for primary pressure change of 450 to 970	700 ± 4 for primary pressure change of 800 to 970
Flow characteristics	1) KZ03-1 (for prim. press. 300 - 900 kPa) 2) KZ03-2 (for prim. press. 500 - 900 kPa) 3) KZ03-3 (for prim. press. 800 - 900 kPa)			
Air consumption	0.95 l/min(N) or less			
Material	Filter: Sponge, 3 μm (option: 3 μm stainless filter) Case: Aluminum diecast External screws and drain wing bolt: Stainless steel			
Ambient temperature	-30 to 80°C			
Air pressure connections	Rc1/4 or 1/4NPT internal thread			
Drain capacity	22 cm ³			
Weight	0.7 kg			
Maximum flow	200 l/min (secondary pressure drop: 25 kPa or less)			

MODEL SELECTION

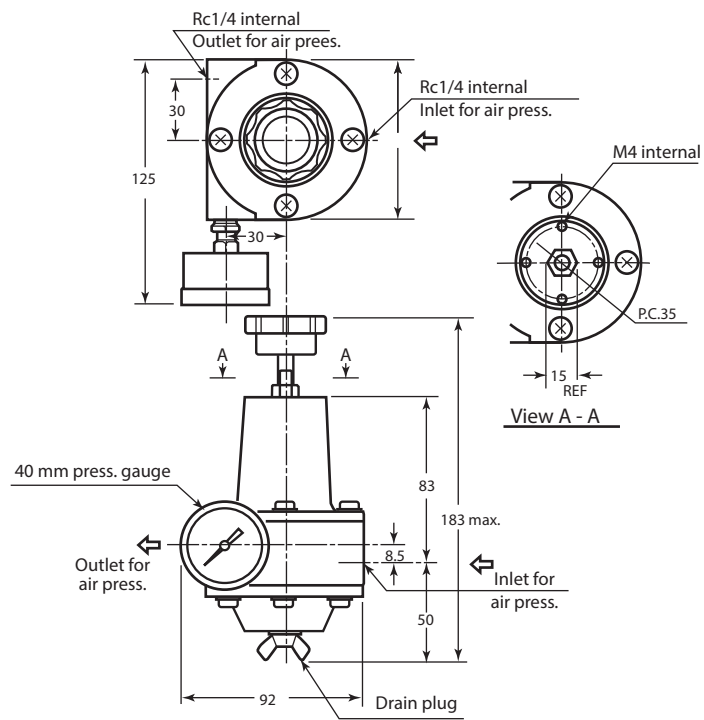
Pressure regulator with filter

Model KZ03 - I II - III IV

Basic model no.		Selections		Optional selections
	KZ03	-		
I	Ps = 140 ± 4 kPa	1		
	Available supply pressure (Ps): Ps ≤ 400 kPa	2		
	Available supply pressure (Ps): 400 < Ps ≤ 700 kPa	3		
II	Rc1/4 internal (Standard)		A	
	1/4NPT female		B	
III	Without pressure gauge			XX
IV	1½ inch (40 mm) with pressure gauge (scale)			
	Primary maximum scale & unit	Recommended supply pressure		
	2	kgf/cm ²	Ps ≤ 1.5 kgf/cm ²	1A
	4		1.5 < Ps ≤ 3.0 kgf/cm ²	1B
	6		3.0 < Ps ≤ 4.5 kgf/cm ²	1N
	10		4.5 < Ps ≤ 7.0 kgf/cm ²	1C
	30	psi	Ps ≤ 22 psi	1D
	60		22 < Ps ≤ 45 psi	1E
	100		45 < Ps ≤ 65 psi	1P
	150		65 < Ps ≤ 100 psi	1F
	2	bar	Ps ≤ 1.5 bar	1G
	4		1.5 < Ps ≤ 3.0 bar	1H
	6		3.0 < Ps ≤ 4.5 bar	1Q
	10		4.5 < Ps ≤ 7.0 bar	1J
	200	kPa	Ps ≤ 150 kPa	1K
	400		150 < Ps ≤ 300 kPa	1L
	600		300 < Ps ≤ 450 kPa	1R
	1,000		450 < Ps ≤ 700 kPa	1M
	0.2	MPa	Ps ≤ 0.15 MPa	1S
	0.4		0.15 < Ps ≤ 0.3 MPa	1T
0.6	0.3 < Ps ≤ 0.45 MPa		1U	
1	0.45 < Ps ≤ 0.7 MPa		1V	

DIMENSIONS

[Unit: mm]



Note) The illustration is for regulator with filter incorporated with pressure adjustment wheel and 40 mm dia. pressure gauge.

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before ordering and use.

<https://www.azbil.com/products/factory/order.html>

Specifications are subject to change without notice.

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15th edition: Nov. 2022

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