

Regulator With Filter Model KZ03

Introduction

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.



Standard 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 ~ 400 (variable)	12 ~ 700 (variable)
Performance			
Pressure Regulation	Change of secondary pressure (kPa)	140 ± 4 for primary pressure change of 200 ~ 970	400 ± 4 for primary pressure change of 450 ~ 970
Flow Characteristics	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>1) KZ03-1 (for prim. press. 300 ~ 900)</p> </div> <div style="width: 30%;"> <p>2) KZ03-2 (for prim. press. 500 ~ 900)</p> </div> <div style="width: 30%;"> <p>3) KZ03-3 (for prim. press. 800 ~ 900)</p> </div> </div>		
Air consumption	0.95 Nℓ/min. or less		
Materials	Filter: Sponge, 3 μm (option : 5 μm stainless filter) Case: Aluminium diecast External screws and drain wing bolt: Stainless steel		
Ambient temperature	-30 to +80°C		
Air pressure connections	Rc $\frac{1}{4}$ or $\frac{1}{4}$ NPT internal thread		
Drain capacity	22 cm ³		
Weight	0.7 kg		

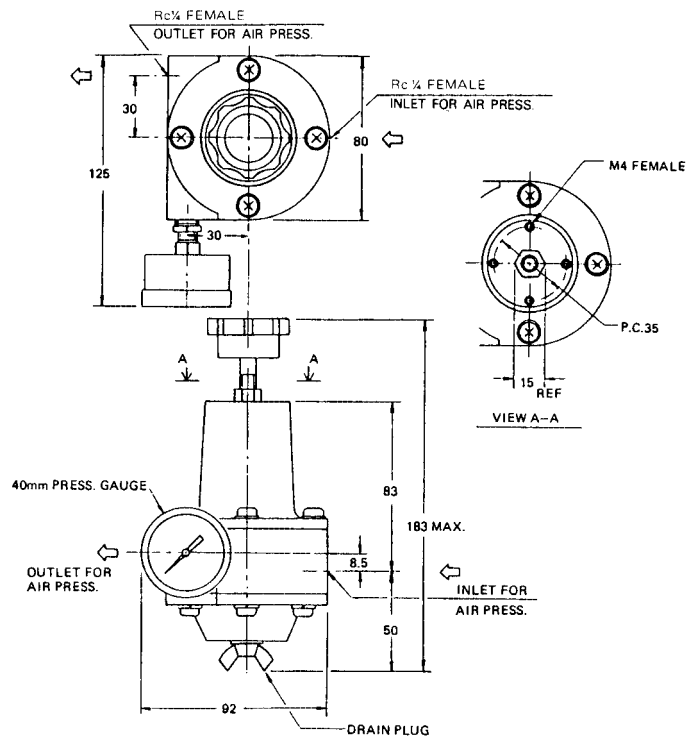
Model Number Table

Model No.	Selections		Optional selections	
K Z 0 3	-		-	
Model No.	Pressure Setting	Pressure Connections	Pressure Gauge	Selection condition · Specification of Pressure gauge · Others
K Z 0 3				
	-1			Ps = 140 ± 4 kPa
	-2			Ps 400kPa (With pressure adjustment wheel)
	-3			400 < Ps 700kPa (With pressure adjustment wheel)
		A		Rc 1/4 Female (Standard)
		B		1/4 NPT Female
			-XX	None
			-1A	Ps 1.5kgf/cm2 (Pressure gauge range : 2kgf/cm2)
			-1B	1.5 < Ps 3.0kgf/cm2 (Pressure gauge range : 4kgf/cm2)
			-1N	3.0 < Ps 4.5kgf/cm2 (Pressure gauge range : 6kgf/cm2)
			-1C	4.5 < Ps 7.0kgf/cm2 (Pressure gauge range : 10kgf/cm2)
			-1D	Ps 22psi (Pressure gauge range : 30psi)
			-1E	22 < Ps 45psi (Pressure gauge range : 60psi)
			-1P	45 < Ps 65psi (Pressure gauge range : 100psi)
			-1F	65 < Ps 100psi (Pressure gauge range : 150psi)
			-1G	Ps 1.5bar (Pressure gauge range : 2bar)
			-1H	1.5 < Ps 3.0bar (Pressure gauge range : 4bar)
			-1Q	3.0 < Ps 4.5bar (Pressure gauge range : 6bar)
			-1J	4.5 < Ps 7.0bar (Pressure gauge range : 10bar)
			-1K	Ps 150kPa (Pressure gauge range : 200kPa)
			-1L	150 < Ps 300kPa (Pressure gauge range : 400kPa)
			-1R	300 < Ps 450kPa (Pressure gauge range : 600kPa)
			-1M	450 < Ps 700kPa (Pressure gauge range : 1000kPa)
			-1S	Ps 0.15MPa (Pressure gauge range : 0.2MPa)
			-1T	0.15 < Ps 0.3MPa (Pressure gauge range : 0.4MPa)
			-1U	0.3 < Ps 0.45MPa (Pressure gauge range : 0.6MPa)
			-1V	0.45 < Ps 0.7MPa (Pressure gauge range : 1MPa)
			-2A	Ps 1.5kgf/cm2 (Pressure gauge range : Main 2kgf/cm2 : Sub kPa)
			-2B	1.5 < Ps 3.0kgf/cm2 (Pressure gauge range : Main 4kgf/cm2 : Sub kPa)
			-2N	3.0 < Ps 4.5kgf/cm2 (Pressure gauge range : Main 6kgf/cm2 : Sub kPa)
			-2C	4.5 < Ps 7.0kgf/cm2 (Pressure gauge range : Main 10kgf/cm2 : Sub kPa)
			-3A	Ps 1.5kgf/cm2 (Pressure gauge range : Main 2kgf/cm2 : Sub MPa)
			-3B	1.5 < Ps 3.0kgf/cm2 (Pressure gauge range : Main 4kgf/cm2 : Sub MPa)
			-3N	3.0 < Ps 4.5kgf/cm2 (Pressure gauge range : Main 6kgf/cm2 : Sub MPa)
			-3C	4.5 < Ps 7.0kgf/cm2 (Pressure gauge range : Main 10kgf/cm2 : Sub MPa)
			-4K	Ps 150kPa (Pressure gauge range : Main 200kPa : Sub kgf/cm2)
			-4L	150 < Ps 300kPa (Pressure gauge range : Main 400kPa : Sub kgf/cm2)
			-4R	300 < Ps 450kPa (Pressure gauge range : Main 600kPa : Sub kgf/cm2)
			-4M	450 < Ps 700kPa (Pressure gauge range : Main 1000kPa : Sub kgf/cm2)
			-5S	Ps 0.15MPa (Pressure gauge range : Main 0.2MPa : Sub kgf/cm2)
			-5T	0.15 < Ps 0.3MPa (Pressure gauge range : Main 0.4MPa : Sub kgf/cm2)
			-5U	0.3 < Ps 0.45MPa (Pressure gauge range : Main 0.6MPa : Sub kgf/cm2)
			-5V	0.45 < Ps 0.7MPa (Pressure gauge range : Main 1MPa : Sub kgf/cm2)

Note : Pressure gauge size is 40mm.
: Ps means output pressure from regulator.

Dimensions

(Unit: mm)



Note: The illustration is for Regulator with Filter incorporated with pressure adjustment wheel and 40-mm-dia. pressure gauge.

Specifications are subject to change without notice.

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