

REGULATOR SERIES AR

- ✓ Port Size M5 – 1" Rc
- ✓ "Q" and "P" compensation
- ✓ Design includes panel mount ring
- ✓ High flow
- ✓ Non-modular, higher flow and precision type regulators are available (see index)
- ✓ Check valve option available
- ✓ Built in gauge available

TECHNICAL
SPECIFICATIONS

Model	AR1000	AR2000	AR2500	AR3000	AR4000	AR5000	AR6000
Port size	M5x0.8	⅜ ⅜	⅜ ⅜	⅜ ⅜	⅜ ½	⅜ 1	1
Flow rate ℓ/n/min*	100	550	2000	2500	6000	8000	10000
Max. supply pressure Bar	15						
Max. operating pressure Bar	10						
Pressure regulating range Bar	0.5-7	0.5 ~ 8.5 (AR*000) 1.0-8.5 (ar*060)					
Optional low pressure regulator range Bar	0.2~2						
Port size for pressure gauge	⅜ ₁₆	⅜	⅜	⅜	⅜	⅜	⅜
Ambient and media temperature	5 ~ 60°C						
Construction	Relieving type						

* 7 bar supply, pressure = 5 bar, Pressure drop $\Delta P = 1$ bar

ACCESSORIES
PRESSURE REGULATOR

Bracket	
B120	AR1000
B220	AR2000/2500
B320	AR3000
B420	AR4000
B540	AR5000
B640	AR6000

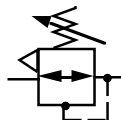
STOCKED PRODUCTS

FOR A LIST OF STOCKED PRODUCTS,
PLEASE SEE THE CURRENT SMC PRICE LIST

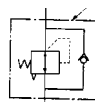
PRESSURE GAUGES

See Pressure Gauges Page

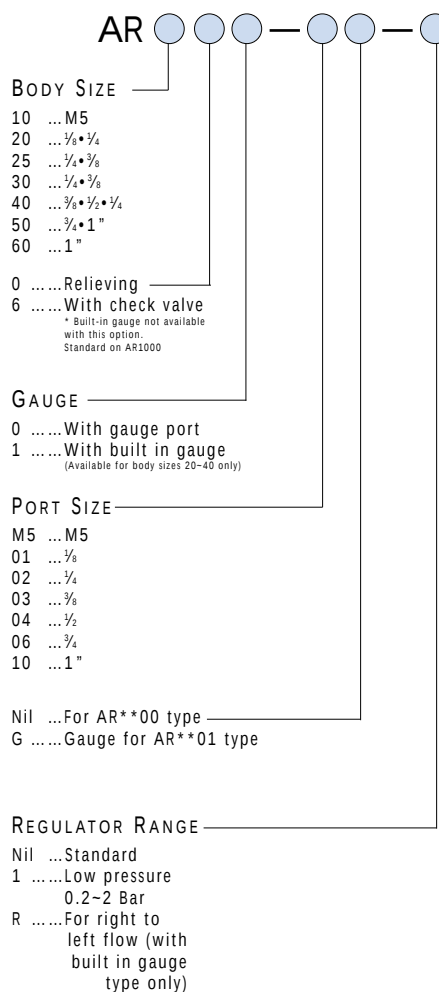
SYMBOLS



Relieving type



Check valve
type

HOW TO
ORDER
PRESSURE REGULATOR

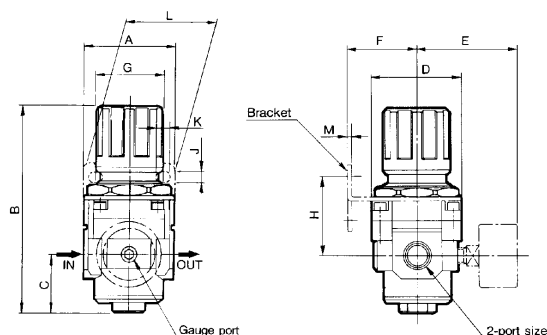
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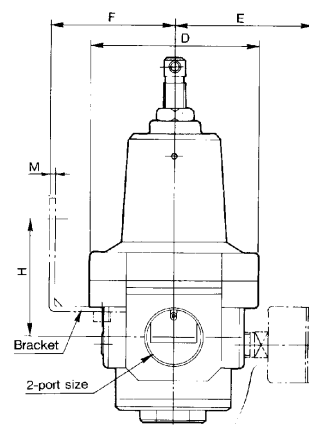
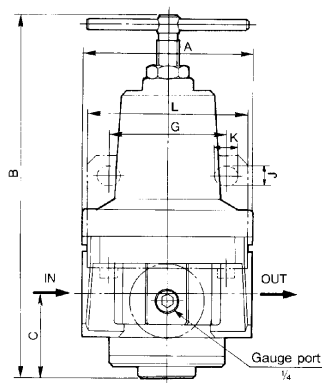


FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E5G

DIMENSIONS AR1000~AR5000



DIMENSIONS AR6000



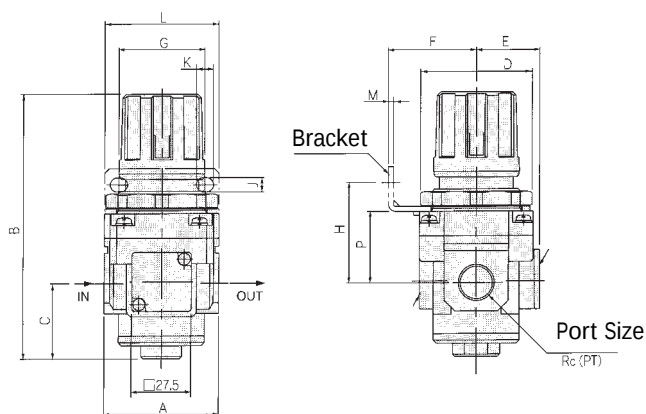
Panel cut hole



AR1000~AR6000: Max. 3.5t
AR4000~5000: Max. 5t

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
AR1000	25	61.5	11	25	26	25	18	30	4.5	6.5	40	2	20.5
AR2000	40	95	17	40	56.8	30	30	45	5.4	15.4	55	2.3	33.5
AR2500	53	102.5	25	48	60.8	30	34	44	5.4	15.4	55	2.3	33.5
AR3000	53	127.5	35	53	60.8	41	40	46	6.5	8	53	2.3	42.5
AR4000	70	149.5	37.5	70	65.5	50	54	54	8.5	10.5	70	2.3	52.5
AR5000	90	168	48	90	75.5	70	66	65.8	11	13	90	3.2	52.5
AR6000	95	204.5	48	95	78	70	66	65.8	11	13	90	3.2	-

DIMENSIONS AR2001 ~ AR4001



Model	Part Size	A	B	C	D	E	F	G	H	J	K	L	M	N
AR2001	1/8 • 1/4	40	95	17	40	35	30	34	44	5.4	15.4	55	2.3	33.5
AR2501	1/4 • 3/8	53	102.5	25	48	32	30	34	34	44	5.4	15.4	55	2.3
AR3001	1/4 • 3/8	53	127.5	35	53	29.5	41	40	46	6.5	8	53	2.3	42.5
AR4001	1/4 • 3/8 • 1/2	70	149.5	37.5	70	38	50	54	54	8.5	10.5	70	2.3	52.5



SEE INSIDE FRONT COVER FOR
DETAILS OF YOUR LOCAL SALES OFFICE



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E5G