

Regulator/Air filter/Liquid separator

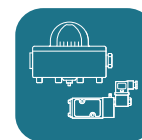
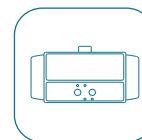
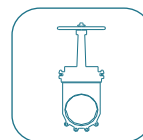
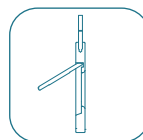
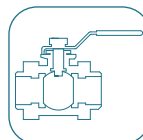
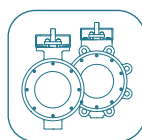
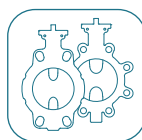


Fig.531

English



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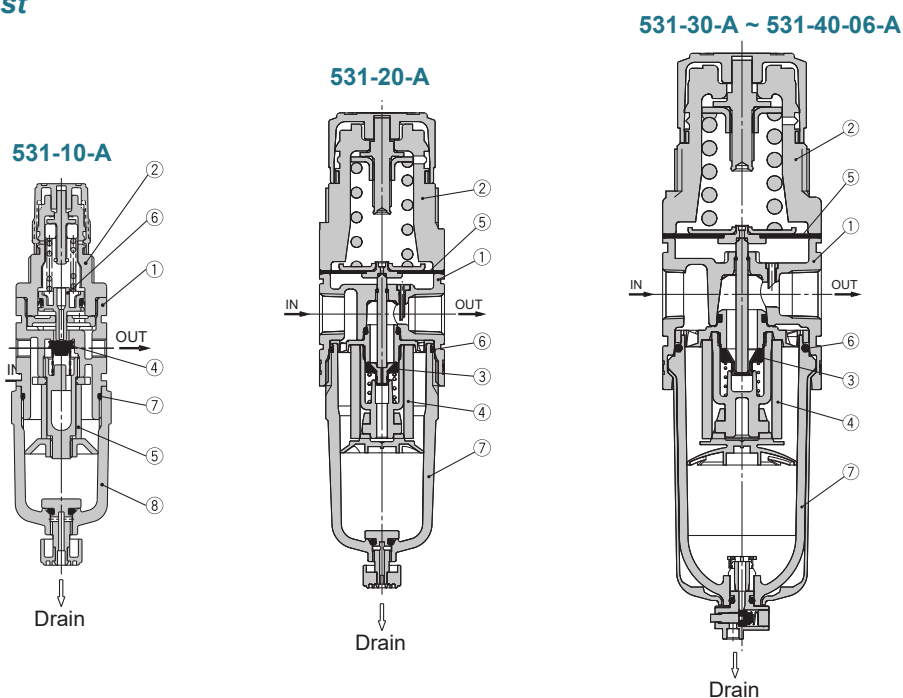
Specifications, material part list

Specifications

Model	531-10-A	531-20-A	531-30-A	531-40-A	531-40-06-A
Port size	M5×0.8	1/8, 1/4	1/4, 3/8	3/8, 1/2	3/4
Pressure gauge port size	1/16 ¹⁾	1/8		1/4	
Fluid	Air				
Ambient and fluid temperature	-5 ~ +60℃ (with no freezing)				
Proof pressure	15bar				
Maximum operating pressure	10bar				
Set pressure range	0.5 ~ 7bar				
Norminal filtration rating	5μm				
Drain capacity (cm ³)	2.5	8	25	45	
Bowl material	Poly carbonate				
Bowl guard	——	Semi-standard	Standard (Poly carbonate)		
Construction	Relieving type				

1) Use a bushing when connecting the R1/8 pressure gauge to the Rc1/16.

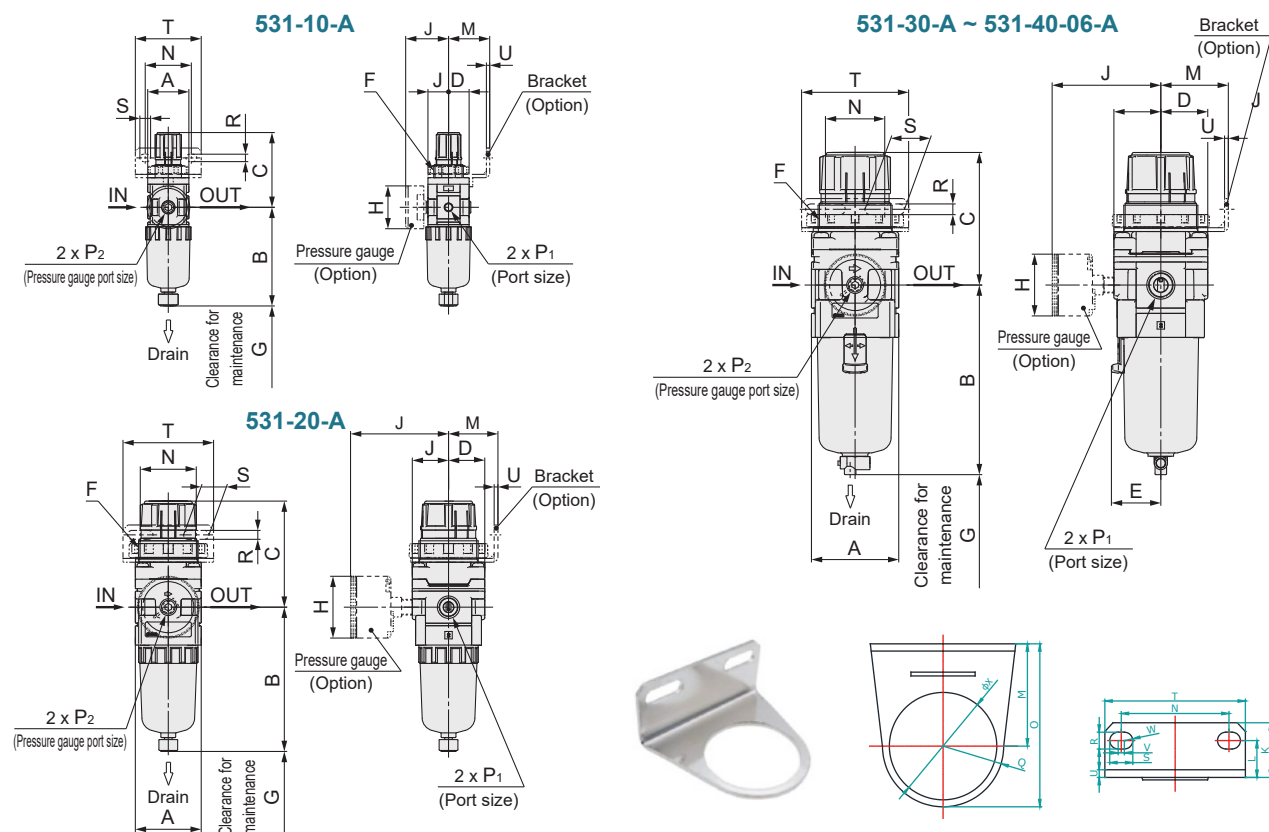
Material part list

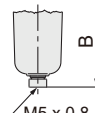
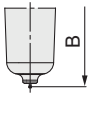
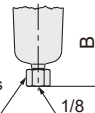
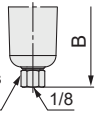
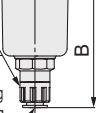


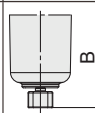
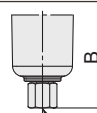
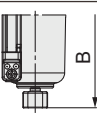
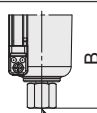
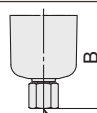
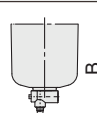
No.	Part name	Material	Remark
1	Body	Zinc die-cast	531-10-A
		Aluminum die-cast	531-20-A ~ 531-40-06-A
2	Bonnet	Polyacetal	531-10-A ~ 531-40-06-A
3	Valve assembly	Stainless steel, HNBR	-
4	Filter element	Non-woven fabric	-
5	Diaphragm assembly	Weatherable NBR	-
6	Bowl seal	NBR	-
7	Bowl assembly ²⁾	Polycarbonate	-

2) Bowl seal is included for the 531-20-A to 531-40-06-A.

Dimensions



Applicable model	531-10-A/531-20-A		531-20-A		531-30-A ~ 531-40-06-A
Optional / Semi-standard specifications	With auto drain (N.C.)	Metal bowl	With drain guide	Metal bowl with drain guide	With auto drain (N.O./N.C.)
Dimensions	 M5 x 0.8		 Width across flats 14 1/8	 Width across flats 14 1/8	 N.O.: Black N.C.: Gray Thread type/Rc, G: ø10 One-touch fitting Thread type/NPT: ø3/8" One-touch fitting

Applicable model	531-30-A ~ 531-40-06-A					
Optional / Semi-standard specifications	Metal bowl	Metal bowl with drain guide	Metal bowl with level gauge	Metal bowl with level gauge, with drain guide	With drain guide	Drain cock with barb fitting
Dimensions		 1/4		 1/4	 1/4	

Model	Standard specifications											Optional specifications			
	P1	P2	A	B	C	D	E	F	G	J		Round type pressure gauge		Round type pressure gauge (with color zone)	
531-10-A	M5 x 0.8	1/16	25	59.9	47.4	12.5	—	M18 x 1	25	12.5		ø26	26	—	—
531-20-A	1/8, 1/4	1/8	40	87.6	67.4	22	—	M36 x 1.5	25	22		ø37.5	58.5	ø37.5	59.5
531-30-A	1/4, 3/8	1/8	53	115.1	83.5	28.5	30	M45 x 1.5	35	28.5		ø37.5	65	ø37.5	66
531-40-A	1/4, 3/8, 1/2	1/8	70	147.1	100	34.5	38.4	M52 x 1.5	40	34.5		ø42.5	72	ø42.5	72
531-40-06-A	3/4	1/8	75	149.1	101.5	34.5	38.4	M52 x 1.5	40	34.5		ø42.5	72	ø42.5	72

Model	Bracket mount													With auto drain	With barb fitting	With drain guide	Metal bowl	Metal bowl with drain guide	Metal bowl with level gauge	Metal bowl with level gauge with drain guide
	T	N	K	L	O	M	φX	Q	V	S	R	W	U	B	B	B	B	B	B	
531-10-A	40	28	17	11	37.8	25	20.5	12.3	2	6.5	4.5	2.25	2	77.9	-	-	59.3	-	-	-
531-20-A	55	34	25	19	50	30	33.5	20	10	15.4	5.4	2.7	2.3	104.9	-	-	87.4	93.9	-	-
531-30-A	53	40	21.5	14	64	39	42.5	25	1.5	8	6.5	3.25	2.3	156.8	123.6	121.9	117.6	122.1	137.6	142.1
531-40-A	70	54	27	18	79.2	49.2	52.5	30	2	10.5	8.5	4.26	2.3	186.9	155.6	153.9	149.6	154.1	169.6	174.1
531-40-06-A	70	54	27	18	79.2	49.2	52.5	30	2	10.5	8.5	4.26	2.3	188.9	157.6	155.9	151.6	156.1	171.6	176.1

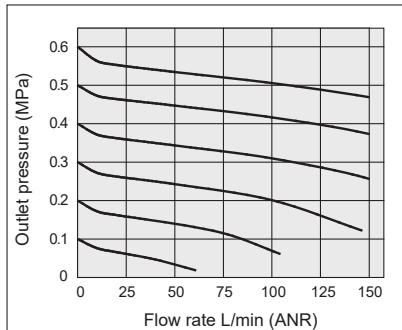
Technical data

Flow Rate Characteristics (Representative values)

Condition: Inlet pressure 0.7 MPa

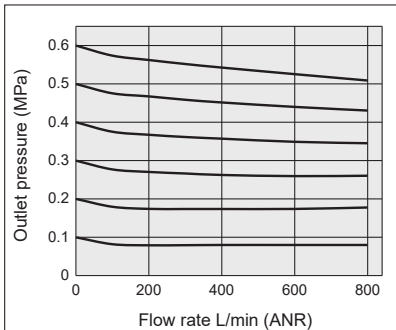
531-10-A

M5



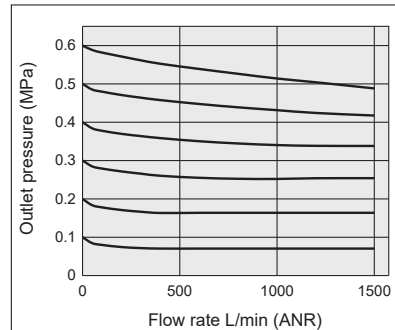
531-20-A

Rc1/4



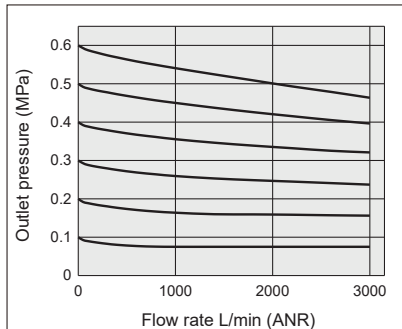
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Rc3/8



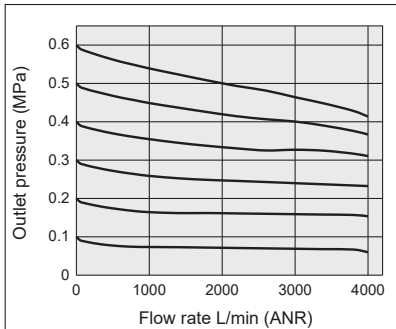
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Rc1/2



531-40-06-A

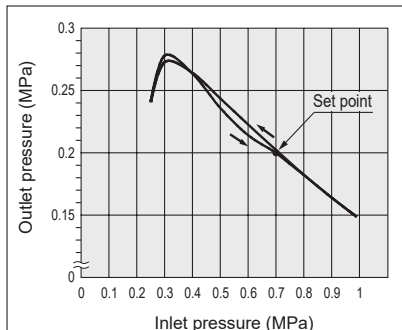
Rc3/4



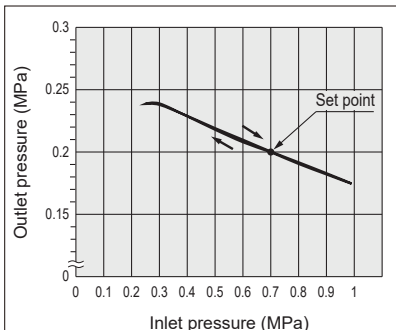
Pressure Characteristics (Representative values)

Conditions: Inlet pressure 0.7 MPa, Outlet pressure 0.2 MPa, Flow rate 20 L/min (ANR)

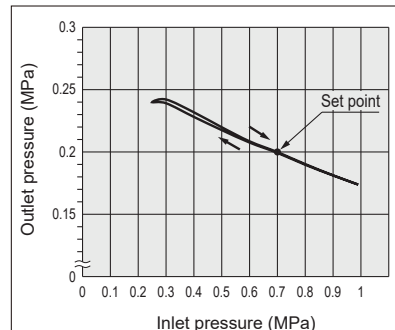
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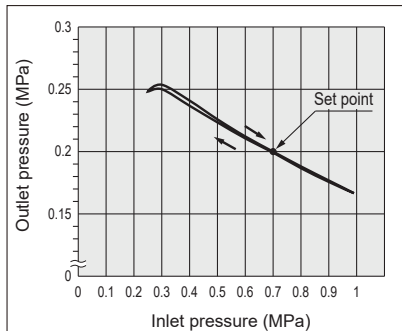
531-20-A



531-30-A



531-40-A/531-40-06-A



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