

BLW

PNEUMATIC COMPONENTS

Product selection guide

2018



BLW
PNEUMATIC

BALIVO PNEUMATIC TECHNOLOGY

ZHEJIANG BLW PNEUMATIC TECHNOLOGY CO., LTD

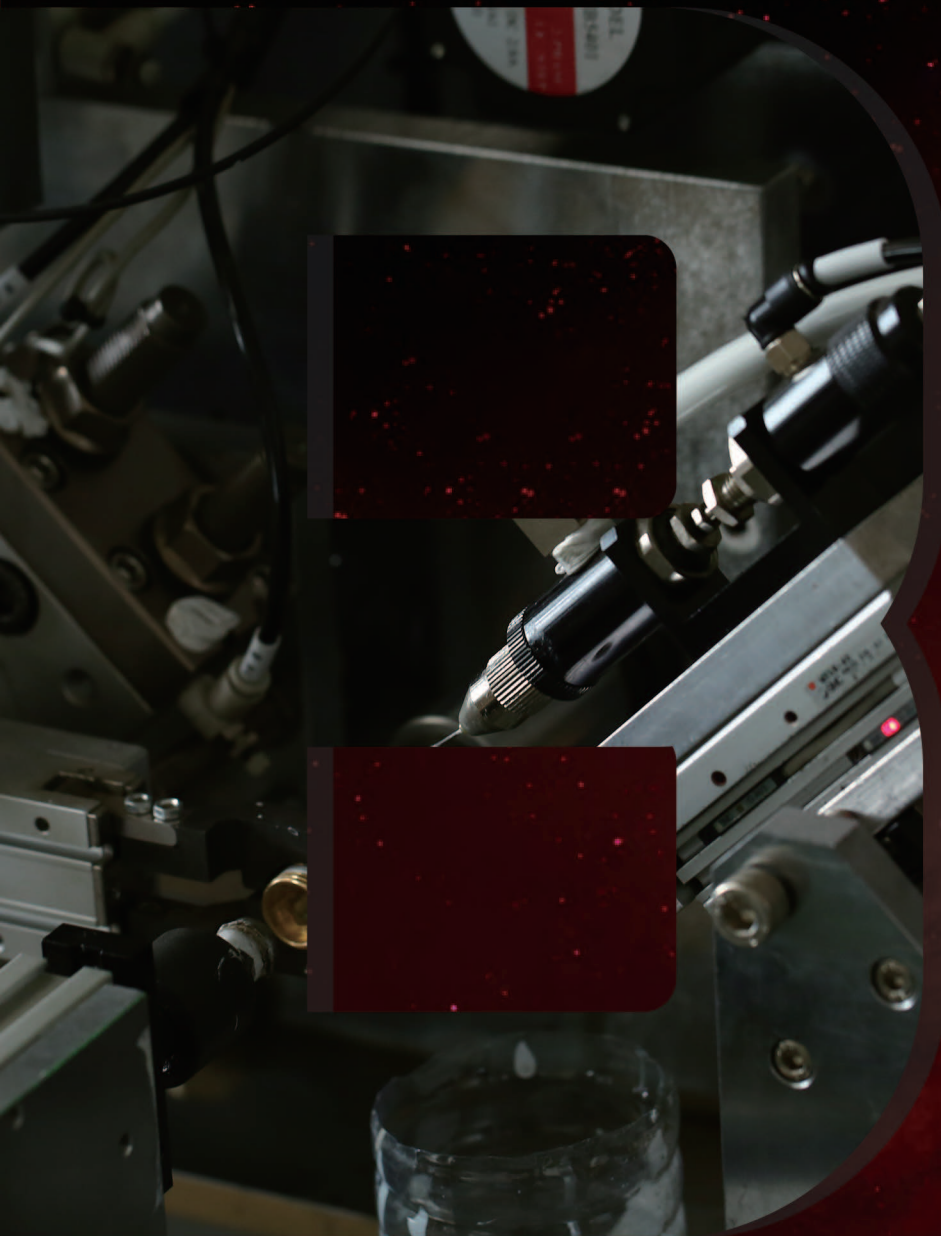
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BLW
PNEUMATIC

**Never stopped -
Exploration of industrial
automation gas source**

**Specialized in gas source for 17 years
We only make gas processors.**



**Self-developed design,
raw product control, fast
delivery**



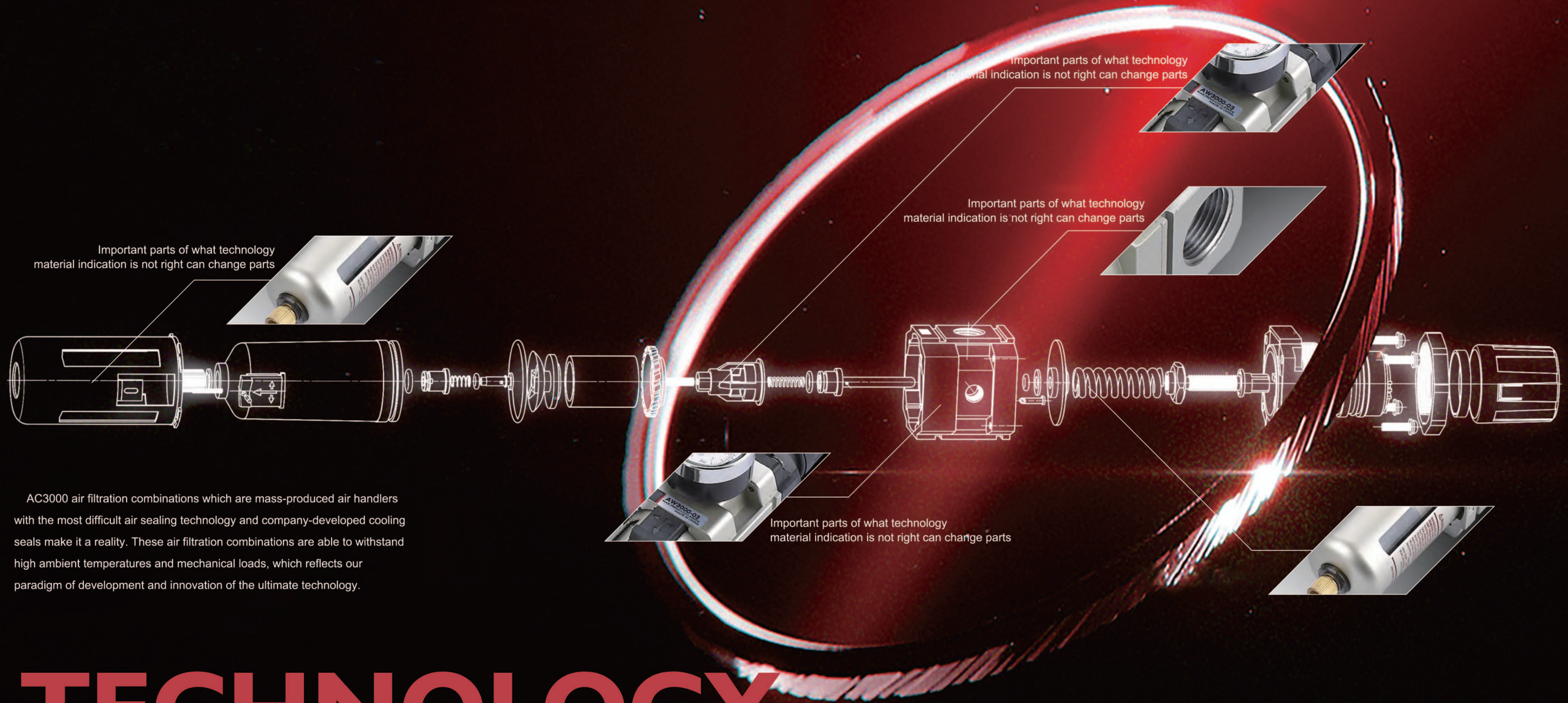
**The never-ending quest for
Exploration of industrial automation gas source**

Specializing in pneumatics for 17 years for a company that has significantly contributed to the development of the pneumatic industry and industrial automation the drive to innovate, dedication, quality consciousness and positioning the company for the future as a global supplier of industrial equipment systems is what BLW Pneumatics was founded on!



**Scale effect.
Meet your demanding requirements**

Success factor comes from
- the ultimate love and fascination
of technology



AC3000 air filtration combinations which are mass-produced air handlers with the most difficult air sealing technology and company-developed cooling seals make it a reality. These air filtration combinations are able to withstand high ambient temperatures and mechanical loads, which reflects our paradigm of development and innovation of the ultimate technology.

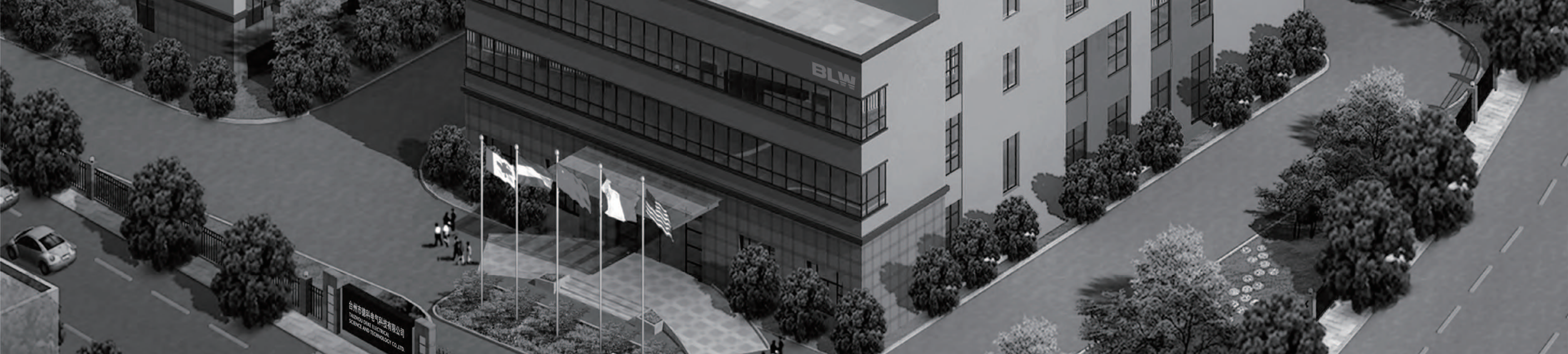
TECHNOLOGY

**Great work -
Working with customers to solve
the problem of g
as source problems**

BLW cornerstones: quality staff, global vision of the company's success is often created by the staff, we are growing rapidly; the recognition of global customers, as well as employees and customers to maintain a fast and direct communication between the work more valuable and fun!

PLEASURE





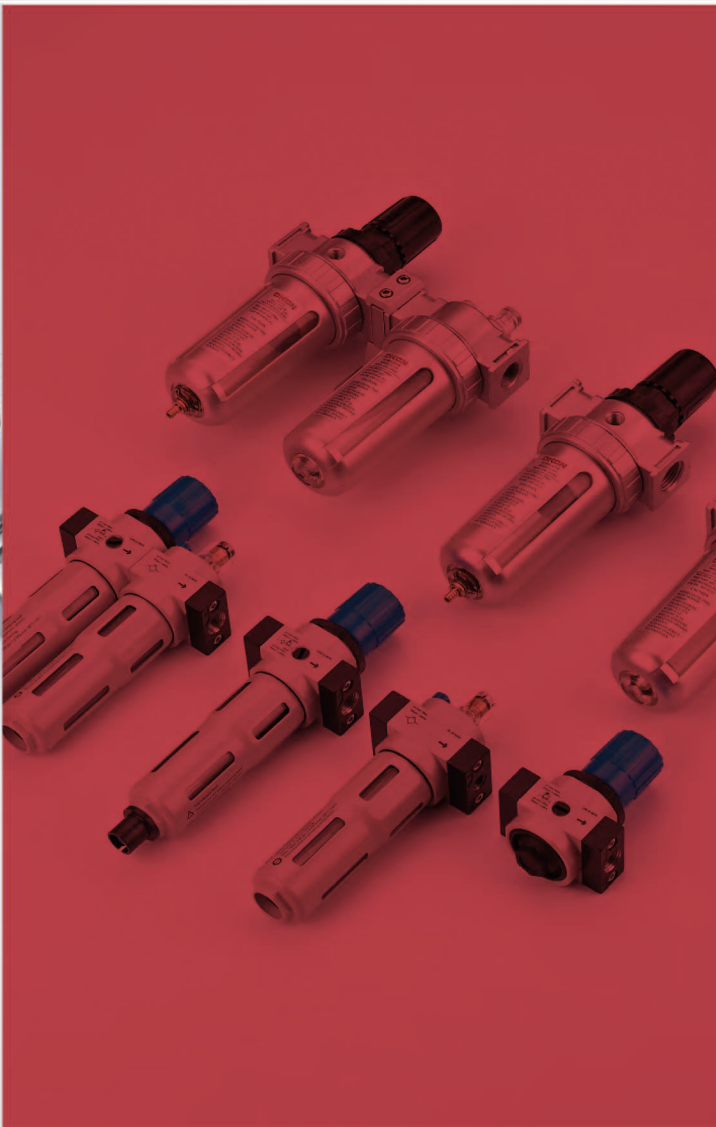
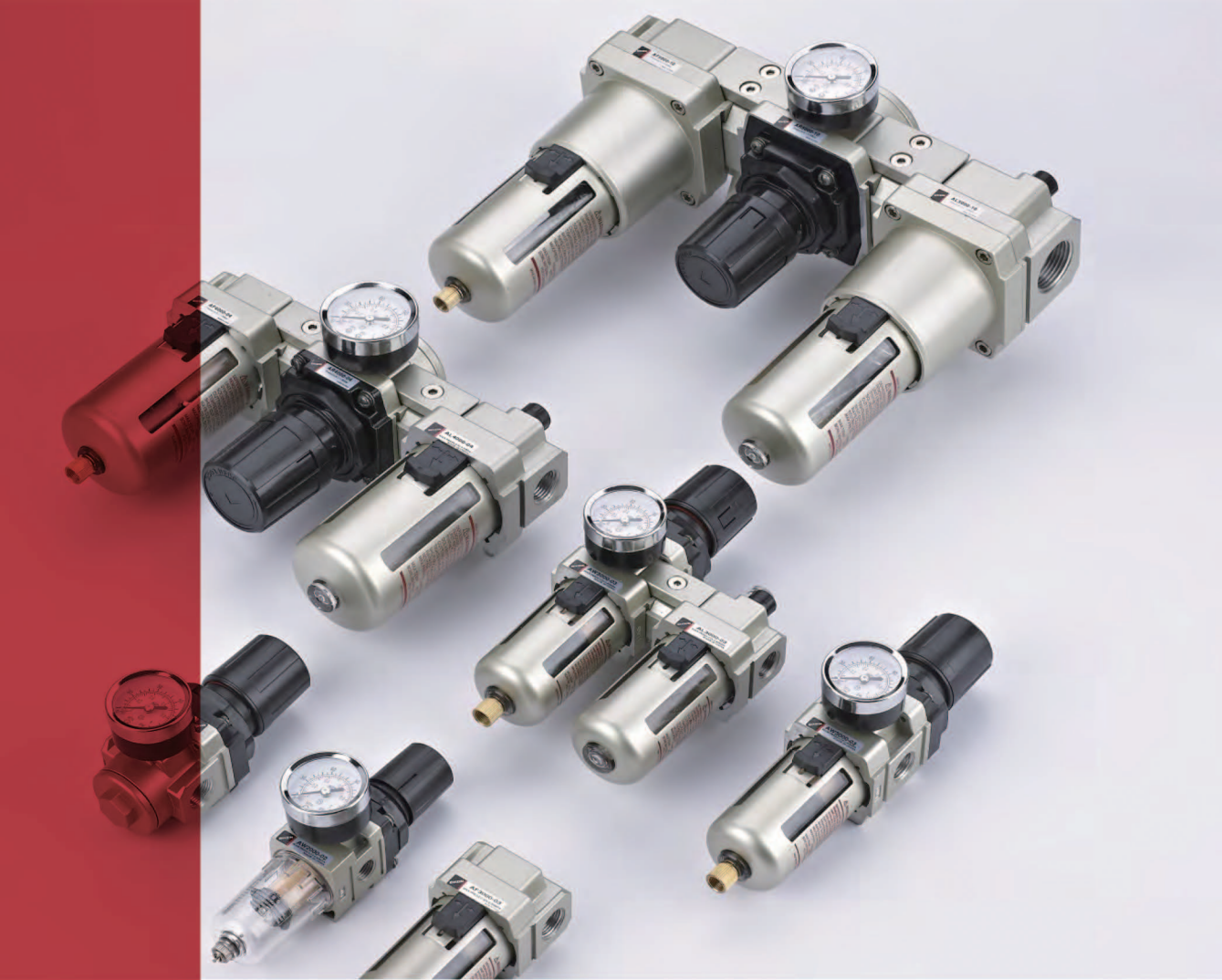
DKCN's world — a world of passion and dedication



Toll Free: +86-0577-61666377

Ltd. is a professional production of gas source treatment components manufacturers, founded in 2018, the existing 5000 square meters of modern production plant; the company fully through the 1S09001: 2000 quality system of the four international certification; adhering to the "create back to the international professional gas source treatment components manufacturing base" the development of With first-class R & D team and management personnel, high-precision production, testing equipment, global layout of the sales network; the company can design, develop and produce its own air source treatment components and other auxiliary components, the products not only sell well across the country and exported to Europe, America, Southeast Asia and other places.

BLW after-sales service system is perfect, through the strong technical support and service team, to provide users with a variety of technical services, to help users to choose and use the correct product, and timely troubleshooting for the user to remove the faults and difficulties arising from the use of the product, and at the same time constantly improve and improve the quality of our design, manufacturing, service, etc., in order to provide users with high quality and suitable for the better products and perfect service. Quality policy: strive for excellence, never-ending, to meet the needs of users is the starting point of all our work; customer and market demand as the focus, to enhance and improve the product features; with first-class management, a subtle product, first-class service, to win customer satisfaction. Cost control: To serve customers by producing the highest quality products at the lowest cost. Through the complete elimination of waste to achieve "high quality, low cost, short delivery time" to meet customer needs.



Product list

Air Filtration Combination AC1000-5000 Series	02-03
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Price Chart	

Air Filter Combination Series

Air Source Treatment Components



Common specification

Guaranteed pressure resistance	1.5MPa(15.3kgf/cm ²)
Maximum operating pressure	1.0MPa(10.2kgf/cm ²)
Ambient and Fluid Temperature	5~60°C
Filter aperture	5 μ m
Recommended oils	Turbine No. 1 oil SOVG32
Cup Material	Polycarbonate
Cup Shield	AC1000~2000AC3000~5000
Regulating range	AC1000: 0.05~0.7MPa(0.51~7.1kgf/cm ²) AC2000~5000: 0.05~0.85MPa(0.51~8.7kgf/cm ²)

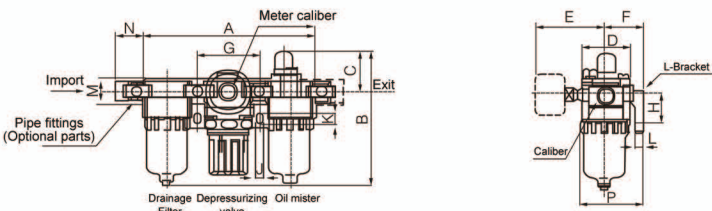
Note: 2, 10, 20, 40, 70, 100um are also available.

Models		Unit			Standard			
		Filter	depressurizing valve	Oil mister	Rated flow	Tube caliber Rc(PT)	Gauge caliber Rc(PT)	Weight (kgf)
Manual drain type	Self-draining type							
AC1000-M5	AC1000-M5D	AF1000	AR1000	AL1000	90	M5 × 8	1/6	0.26
AC2000-02	AC2000-02D	AF2000	AR2000	AL2000	500	1/4	1/8	0.74
AC3000-02	AC3000-02D	AF3000	AR3000	AL3000	2000	1/4	1/8	1.18
AC3000-03	AC3000-03D	AF3000	AR3000	AL3000	2000	3/8	1/8	1.18
AC4000-03	AC4000-03D	AF4000	AR4000	AL4000	4000	3/8	1/4	2.14
AC4000-04	AC4000-04D	AF4000	AR4000	AL4000	4000	1/2	1/4	2.14
AC4000-06	AC4000-06D	AF4000	AR4000	AL4000	4500	3/4	1/4	2.47
AC5000-06	AC5000-06D	AF5000	AR5000	AL5000	5000	3/4	1/4	3.82
AC5000-10	AC5000-10D	AF5000	AR5000	AL5000	5000	1	1/4	3.82

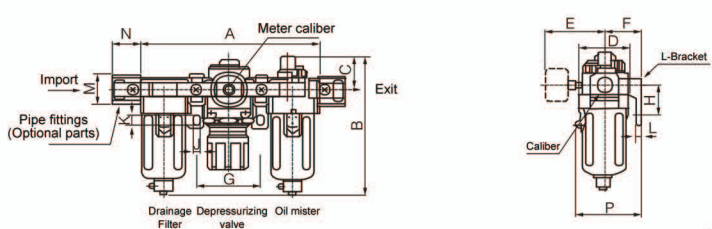
Note: 1. Standard automatic drain is normally open (N.O.), AC3000~5000 also has normally closed (N.C) available, and the minimum operating pressure: Normally open-0.1Mpa (1kgf/cm), Normally closed-0.15Mpa (1.5kgf/cm). 2. Supplied with 0.7MPa (7.1kgf/cm).

External dimension drawing (mm)

AC1000~2000



AC3000~5000



Models	Caliber	A B C D E F G H J K L M N P														With auto-drain
		B														B
AC1000	M5×0.8	91	84.5	25.5	25	26	25	33	20	4.5	7.5	5	17.5	16	38.5	105
AC2000	1/4	140	125	38	40	56.8	30	50	24	5.5	8.5	5	22	23	50	147.5
AC3000	1/4•3/8	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5	194
AC4000	3/8•1/2	238	191.5	41	70	65.5	50	84	40	9	13	7	42.2	33	88	229
AC4000-06	3/4	253	193	40.5	70	69.5	50	89	40	9	13	7	46.2	36	88	230.5
AC5000	3/4•1	300	271.5	48	90	75.5	70	105	50	12	16	10	55.2	40	115	309.5

For a company that has significantly advanced the development of pneumatic and industrial equipment the drive to innovate, dedication/quality awareness and the positioning of the company as a global supplier of industrial equipment systems are the reasons why we at BLW were founded!

Air Filter Combination Series



Common specifications

Guaranteed pressure resistance	1.5MPa(15.3kgf/cm ²)	
Maximum operating pressure	1.0MPa(10.2kgf/cm ²)	
Ambient and fluid temperature	5~60℃	
Filter pore size	5 μ m	
Recommended oil	Turbine 1 oil SOVG32	
Cup material	Polycarbonate	
Cup protection	AC1000~2000	AC3000~5000
Pressure regulating range	AC1000: 0.05~0.7MPa(0.51~7.1kgf/cm ²) AC2000~5000: 0.05~0.85MPa(0.51~8.7kgf/cm ²)	

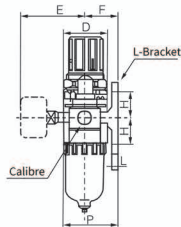
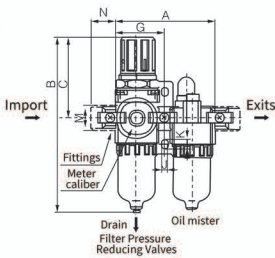
Note: 2, 10, 20, 40, 70, 100μm are also available.

Models		Standard					
		Unit		Rated Flow Rate	Tube caliber	Gauge caliber	Weight
Manual drain type	Self-draining type	Filter	Oil mister	L/min	Rc(PT)	Rc(PT)	(Kkgf)
AC1010-M5	AC1010-M5D	AW1000	AL1000	90	M5 × 8	1/16	0.22
AC2010-02	AC2010-02D	AW2000	AL2000	500	1/4	1/8	0.66
AC3010-02	AC3010-02D	AW3000	AL3000	1700	1/4	1/8	0.98
AC3010-03	AC3010-03D	AW3000	AL3000	1700	3/8	1/8	0.98
AC4010-03	AC4010-03D	AW4000	AL4000	3000	3/8	1/4	1.93
AC4010-04	AC4010-04D	AW4000	AL4000	3000	1/2	1/4	1.93
AC4010-06	AC4010-06D	AW4000	AL4000	3000	3/4	1/4	1.99
AC5010-06	AC5010-06D	AW5000	AL5000	4000	3/4	1/4	
AC5010-10	AC5010-10D	AW5000	AL5000	4000	1	1/4	

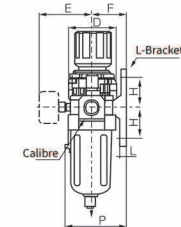
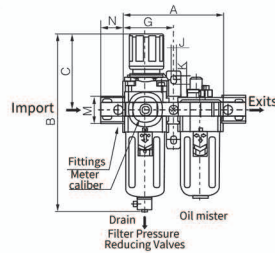
Note:1. Standard automatic drain is normally open (N.O.), AC3010~4010 also have normally closed (N.C, optional, and the minimum operating pressure: normally open -0.1Mpa (1kgf/cm, normally closed -0.15Mpa (1.5kgf/cm).
2. Supply force is 0.7MPa(7.1kgf/cm3).

External dimension drawing (mm)

AC1010~2010



AC3010~5010



(mm)

Models	Caliber	A	B	C	D	E	F	G	H	J	K	L	M	N	P	with auto-drain B
AC1010	M5×0.8	58	109.5	50.5	25	26	25	29	20	4.5	7.5	5	17.5	16	38.5	130
AC2010	1/4	90	164.5	78	40	56.8	30	45	24	5.5	8.5	5	22	23	50	187.5
AC3010	1/4·3/8	117	211	92.5	53	60.8	41	58.5	35	7	11	7	34.2	26	70.5	248.5
AC4010	3/8·1/2	154	262.5	112	70	70.5	50	77	40	9	13	7	42.2	33	88	300
AC4010-06	3/4	164	267	114	70	70.5	50	82	40	9	13	7	46.2	36	88	304

Filter With Pressure Regulator Series



Common specifications

Guaranteed pressure resistance	1.5MPa(15.3kgf/cm ²)	
Maximum operating pressure	1.0MPa(10.2kgf/cm ²)	
Ambient and fluid temperature	5~60℃	
Filter pore size	5 μ m	
Cup material	Polycarbonate	
Cup protection	AC1000~2000(no)	AC3000~5000(have)
Pressure regulating range	AC1000: 0.05~0.7MPa(0.51~7.1kgf/cm ²) AC2000~5000: 0.05~0.85MPa(0.51~8.7kgf/cm ²)	

Note: 2, 10, 20, 40, 70, 100μm are also available.

Models		Standard			
		Rated flow	Tube caliber Rc(PT)	Pressure gauge port Diameter Rc(PT)	Weight (Kgf)
Manual drain type	Self-draining type				
AW1000-M5	AW1000-M5D	100	M5 × 8	1/16	0.09
AW2000-02	AW2000-02D	550	1/4	1/8	0.36
AW3000-02	AW3000-02D	2000	1/4	1/8	0.56
AW3000-03	AW3000-03D	2000	3/8	1/8	0.56
AW4000-03	AW4000-03D	4000	3/8	1/4	1.15
AW4000-04	AW4000-04D	4000	1/2	1/4	1.15
AW4000-06	AW4000-06D	4500	3/4	1/4	1.21
AW5000-06	AW5000-06D	5000	3/4	1/4	
AW5000-10	AW5000-10D	5000	1	1/4	

Note:1. Standard automatic drain is normally open (N.O.), AW3000~4000 also has normally closed (N.C.) available, and the minimum operating pressure: Normally open-0.1Mpa (1kgf/cm. Normally closed-0.15Mpa (1.5kgf/cm.).
2. Supply force is 0.7MPa (7.1kgf/cm3).

Main parts

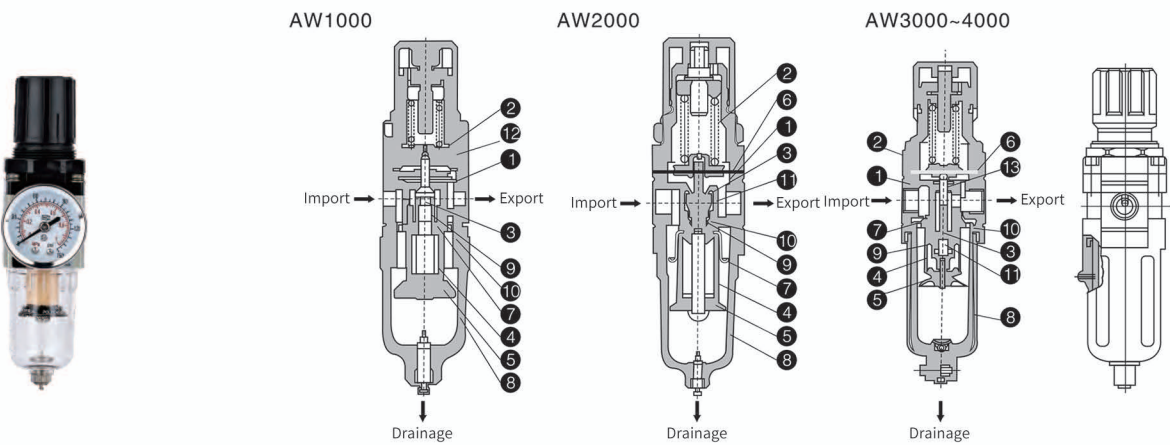
No.	Name	Makings			Note
		AW1000	AW2000/AW3000	AW4000/AW4000-06	
1	Valve body	Zinc die castings	Aluminum Die Casting	Aluminum die castings	Silvery
2	Bonnets	Polyformaldehyde (CH2O)n		Aluminum die castings	Black

Parts list

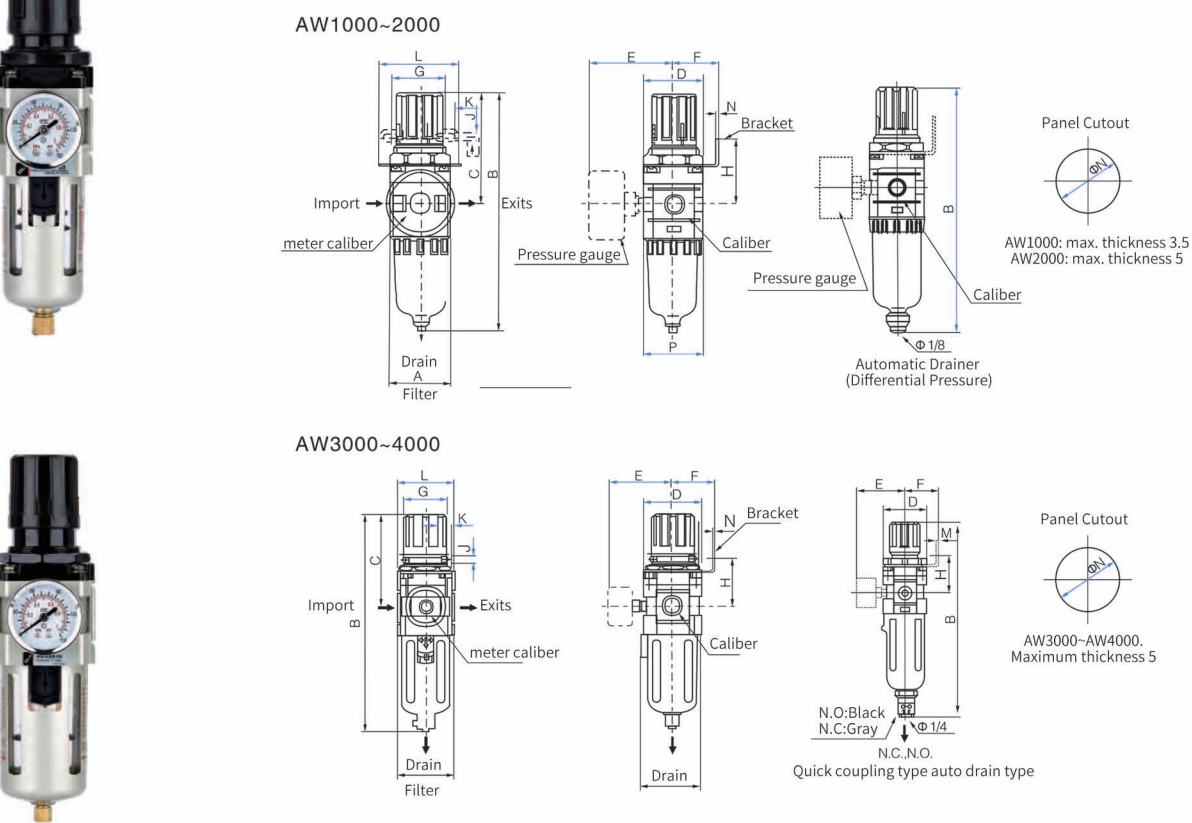
No.	Part Name	Makings	Part number				
			AW1000	AW2000	AW3000	AW4000	AW4000-06
3	Valve Assembly	Brass NBR					
4	Filter cartridge	Resin					
5	Diaphragms	ABS					
6	Diaphragm assembly	NBR					
7	Deflector plate	ABS					
8	Cup assembly	Polycarbonate					
9	Valve springs	Stainless Steel					
10	Shell O-ring	NBR					
11	Valve O-ring	NBR					
12	MY Seal	NBR					
13	O-ring seal valve	NBR					

Filter With Pressure Regulator Series

Tectonic diagram



External dimension drawing (mm)



Models	Caliber	A	B	C	D	E	F	G	H	J	K	L	M	N	P	with auto-drain
																B
AW1000	M5x0.8	25	109.5	50.5	25	26	25	28	30	4.5	6.5	40	2.0	20.5	28	130
AW2000	1/4	40	164.5	78	40	56.8	30	34	45	5.4	15.4	55	2.3	33.5	40	187.5
AW3000	1/4•3/8	53	211	92.5	53	60.8	41	40	46	6.5	8.0	53	2.3	42.5	56	248.5
AW4000	3/8•1/2	70	262.5	112	70	70.5	50	54	54	8.5	10.5	70	2.3	52.5	73	300
AW4000-06	3/4	75	267	114	70	70.5	50	54	56	8.5	10.5	70	2.3	52.5	73	304

Pressure Regulator Series

Common specifications

Guaranteed pressure resistance	1.5MPa(15.3kgf/cm ²)
Maximum operating pressure	1.0MPa(10.2kgf/cm ²)
Ambient and fluid temperature	5~60℃
Regulating range	AR1000: 0.05~0.7MPa(0.51~7.1kgf/cm ²) 0.05~0.85MPa(0.51~8.7kgf/cm ²)

Note: AR2000-5000 also has the range of pressure regulation: 0.02~0.2MPa(0.2~2kgf/cm²)

Models	Standard			
	Rated flow(L/min)	Tube caliber Rc (PT)	Gauge caliber Rc (PT)	Weight (Kg)
AR1000-M5	100	M5 x 8	1/16	0.08
AR2000-02	550	1/4	1/8	0.27
AR3000-02	2500	1/4	1/8	0.41
AR3000-03	2500	3/8	1/8	0.41
AR4000-03	6000	3/8	1/4	0.84
AR4000-04	6000	1/2	1/4	0.84
AR4000-06	6000	3/4	1/4	0.94
AR5000-06	8000	3/4	1/4	1.19
AR5000-10	8000	1	1/4	1.19

Note: 1. If the supply pressure is 0.7Mpa (7.1kgf/cm³) and the secondary pressure is set to 0.5Mpa (5.1kgf/cm²).

Main parts

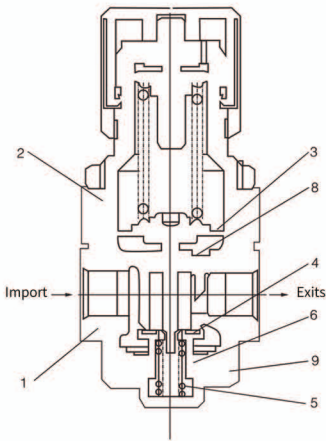
No.	Name	Makings			Comment
		AR1000	AR2000/AR3000	AR4000~5000	
1	Valve body	Zinc die casting	Aluminum Die Casting		Silver
2	Bonnets	Polyformaldehyde (CH ₂ O) _n		Aluminum Die Casting	Black

Parts list

No.	Part Name	Makings	Part number					
			AR1000	AR2000	AR3000	AR4000	AR4000-06	AR5000
3	Diaphragm assemblies	NBR						
4	Valve Assemblies	Brass NBR						
5	Valve springs	Stainless steel						
6	Valve O-ring	NBR						
7	Piston Minimum Y Gasket	NBR						
8	O-ring seal valve	NBR						
9	O-ring seal valve	NBR						
10	Adjustment springs	—						
11	Vent valve assembly	—						

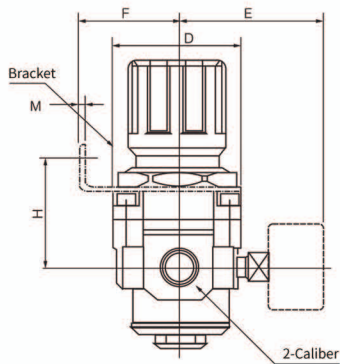
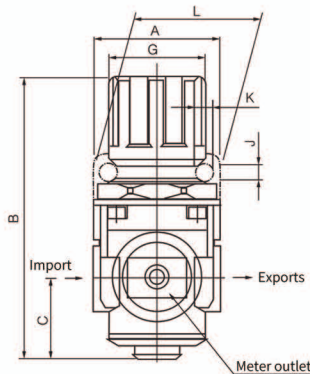
Pressure Regulator Series

Tectonic diagram



AR1000-3000: maximum thickness 3.5
AR4000-5000: max. thickness 5

External dimension drawing (mm)



Models	Caliber	A	B	C	D	E	F	G	H	J	K	L	M	N
AR1000	M5×0.8	30	61.5	11	25	26	25	28	30	4.5	6.5	40	2.0	20.5
AR2000	1/4	40	95	17	40	56.8	30	34	45	5.4	15.4	55	2.3	33.5
AR3000	1/4•3/8	53	127.5	35	53	60.8	41	40	46	6.5	8.0	53	2.3	42.5
AR4000	3/8•1/2	70	149.5	37.5	70	65.5	50	54	54	8.5	10.5	70	2.3	52.5
AR4000-06	3/4	75	154.5	40.5	70	69.5	50	54	56	8.5	10.5	70	2.3	52.5
AR5000	3/4•1	90	168	48	90	75.5	70	66	65.8	11	13	90	3.2	52.5

Air Filter Series

Common specifications

Guaranteed pressure resistance	1.5MPa(15.3kgf/cm2)	
Maximum Operating Pressure	1.0MPa(10.2kgf/cm2)	
Ambient and fluid temperature	5~60℃	
Filter pore size	5 μ m	
Cup material	Polycarbonate	
Protective cover	AC1000~2000 (no)	AC3000~5000 (have)

Note: 2, 10, 20, 40, 70, 100μm are also available.



Models		Standard				Spares	
		Rated flow (L/min)	Tube caliber Rc(PT)	Cup capacity (cm ³)	Weight (Kgf)	Cupcake	
Manual drain type	Automatic drain type					Manual drainage	Self-draining
AF1000-M5	AF1000-M5D	110	M5 × 8	4	0.07	C100F	AD61
AF2000-02	AF2000-02D	750	1/4	15	0.19	C200F	AD62
AF3000-02	AF3000-02D	1500	1/4	20	0.29	C300F	AD43
AF3000-03	AF3000-03D	1500	3/8	20	0.29	C300F	AD43
AF4000-03	AF4000-03D	4000	3/8	45	0.55	C400F	AD44
AF4000-04	AF4000-04D	4000	1/2	45	0.55	C400F	AD44
AF4000-06	AF4000-06D	6000	3/4	45	0.58	C400F	AD44
AF5000-06	AF5000-06D	7000	3/4	130	1.08	C400F	AD44
AF5000-10	AF5000-10D	7000	1	130	1.08	C400F	AD44

Note: 1. Standard auto-drain is normally open (N.O.), AC3000-5000 also has normally closed (N.C.) available, and the minimum operating pressure: Normally open-0.1Mpa(1kgf/cm), Normally closed-0.15Mpa(1.5kgf/cm).
2. Supply force is 0.7MPa(7.1kgf/m3).

Main parts

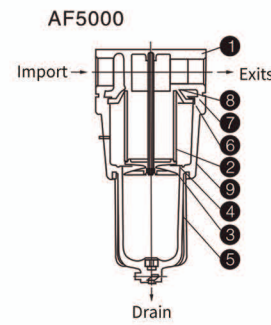
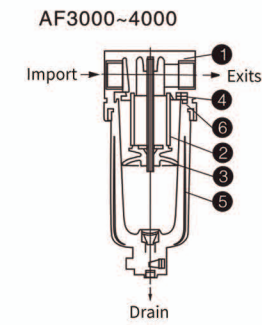
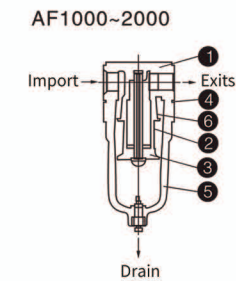
No.	Name	Makings			Comment
		AF1000	AF2000/AF3000-4000/4000-6	AF5000	
1	Filter body	Zinc die casting	Aluminum Die Casting	Aluminum Die Casting	Silvery
9	Base			Aluminum Die Casting	Silvery

Parts list

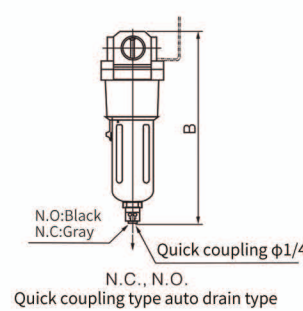
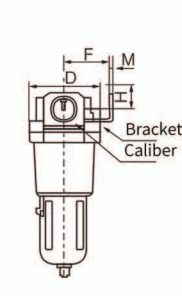
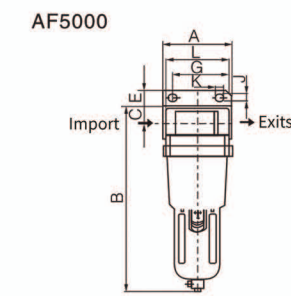
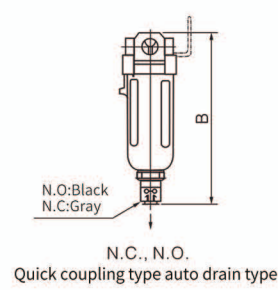
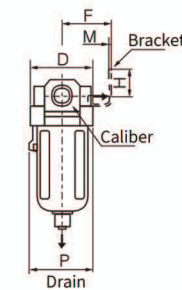
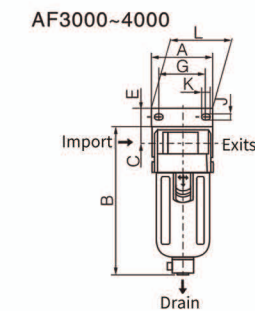
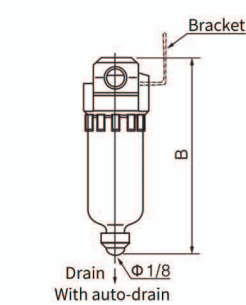
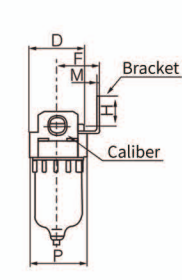
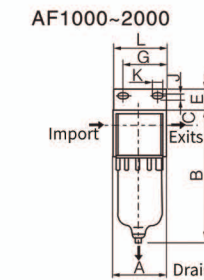
No.	Part Name	Makings	Part number				
			AF1000	AF2000	AF3000	AF4000	AF4000-06 AF5000
2	Filter cartridge	Resin					
		Copper					
3	Spacer	ABS					
4	O-ring	NBR					
5	Cup assembly	Polycarbonate					
6	Deflector plate	ABS					
7	O-ring	NBR					
8	Gasket	NBR					

Air Filter Series

Tectonic diagram



External dimension drawing (mm)



Models	Caliber	A	B	C	D	E	F	G	H	J	K	L	M	P	with auto-drain B
AF1000	M5x0.8	25	66	7	25	-	-	-	-	-	-	-	-	26.5	86.5
AF2000	1/4	40	97.5	11	40	17	30	27	22	5.4	8.4	40	2.3	40	120.5
AF3000	1/4•3/8	53	132.5	14	53	16	41	40	23	6.5	8	53	2.3	56	170
AF4000	3/8•1/2	70	168.5	18	70	17	50	54	26	8.5	10.5	70	2.3	73	206
AF4000-06	3/4	75	172.5	20	70	14	50	54	25	8.5	10.5	70	2.3	73	210
AF5000	3/4•1	90	247.5	24	90	23	70	66	35	11	13	90	3.2	90	285.5

Oil Mister Series



Common specifications

Guaranteed pressure resistance	1.5MPa(15.3kgf/cm ²)
Maximum operating pressure	1.0MPa(10.2kgf/cm ²)
Ambient and fluid temperature	5~60℃
Filter pore size	5 μ m
Recommended oil	Turbine No. 1 oil SOVG32
Cup material	Polycarbonate
Cup shield	AC1000~2000 (no) AC3000~5000 (have)

Models	Minimum Operating Flow Rate(L/min)	Rated flow rate (L/min)	Standard		
			Tube caliber Rc(PT)	Cup capacity (cm ³)	Weight (Kg)
AL1000-M5	4	95	M5 × 8	7	0.07
AL2000-02	15	800	1/4	25	0.22
AL3000-02	30	1700	1/4	50	0.30
AL3000-03	40	5000	3/8	50	0.30
AL4000-03	40	5000	3/8	130	0.56
AL4000-04	50	5000	1/2	130	0.56
AL4000-06	50	6300	3/4	130	0.58
AL5000-06	190	7000	3/4	130	1.08
AL5000-10	190	7000	1	130	1.08

Note: 1. Supply pressure of 0.5MPa(5.1kgf/cm³), oil drop flow rate of 5 drops/minute, Turbine No.1 oil(ISOVG32) temperature of 20°C.
2. At a supply pressure of 0.5MPa (5.1kgf/cm³) and a drop pressure of 0.03MPa (0.3gf/cm³).

Main parts

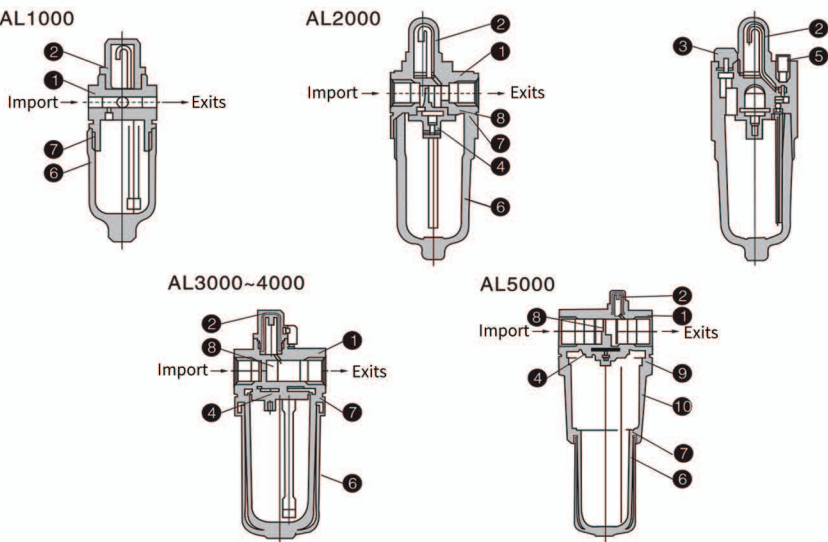
No.	Name	Materials			Interpretation
		AL1000	AL2000/AL3000-4000/4000-06	AL5000	
1	Oil filter body	Zinc die castings	Aluminum die castings	Aluminum die castings	Silver
10	Pedestals			Aluminum die castings	Silver

Parts list

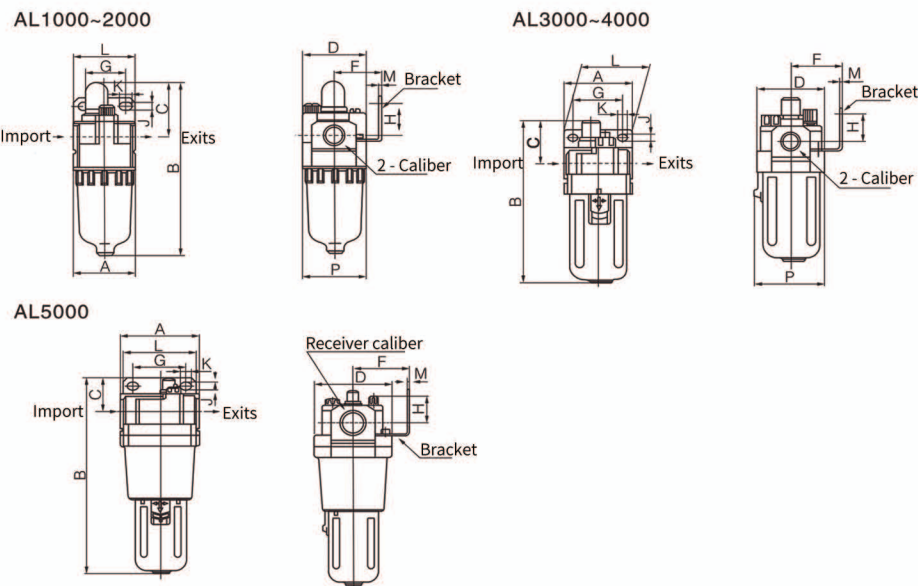
No.	Part Name	Materials	Part number					
			AL1000	AL2000	AL3000	AL4000	AL4000-06	AL5000
2	Observation dome assembly	Polycarbonate						
3	Oil inlet hole assembly	-						
4	Damping catheter assembly	-						
5	Needle valve assembly	-						
6	Cup assembly	-						
7	Cup O-ring	NBR						
8	Dampers	Synthetic Resin						
9	Plenary O-ring	NBR						

Oil Mister Series

Tectonic diagram



External dimension drawing (mm)



(mm)														
Models	Caliber	A	B	C	D	E	F	G	H	J	K	L	M	P
AL1000	M5×0.8	25	81.5	25.5	25	—	—	—	—	—	—	—	—	27
AL2000	1/4	40	122	38	40	30	30	27	22	5.4	8.4	40	2.3	40
AL3000	1/4×3/8	53	142	38	53	41	41	40	23	6.5	8	53	2.3	56
AL4000	3/8×1/2	70	177	41	70	50	50	54	26	8.5	10.5	70	2.3	73
AL4000-06	3/4	75	177	39	70	50	50	54	25	8.5	10.5	70	2.3	73
AL5000	3/4×1	90	254	45	90	70	70	66	35	11	13	90	3.2	90

Automatic Pneumatic Components



Automatic Drain Series

Automatic drainage, no manual operation
Dustproof, durable and reliable,
standard parts with housing cover



Model / Specification

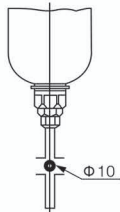
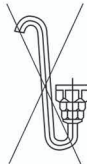
Models	AD402-04	AD400-04
Guaranteed pressure resistance	1.5Mpa(15.2kgf/cm ²)	
Maximum Operating Pressure	1.0Mpa(10.2kgf/cm ²)	
Operating pressure range	0.15-1.0Mpa(1.5~10.2kgf/cm ²)	0.3-1.0Mpa(3~10.2kgf/cm ²)
Ambient and fluid temperature	5~60°C	
Connection port	1/2	1/2
Drain port	0.62	0.91
Weight	3/8	1/2
Manual switch	-	Have

Substandard specifications

Metal cup	-	AD402-04-2	Setal cup
-----------	---	------------	-----------

Note

- When installing the drain pipe, use a pipe with an inner diameter of 10mm or more, the length should not exceed 5 meters, and do not make the pipe bend upwards.
- The power of compressor should be more than 3.7kw.



External dimension drawing (mm)

Main parts

Part number	Name	Standard
1	Main part	Aluminum Die Casting

Parts list

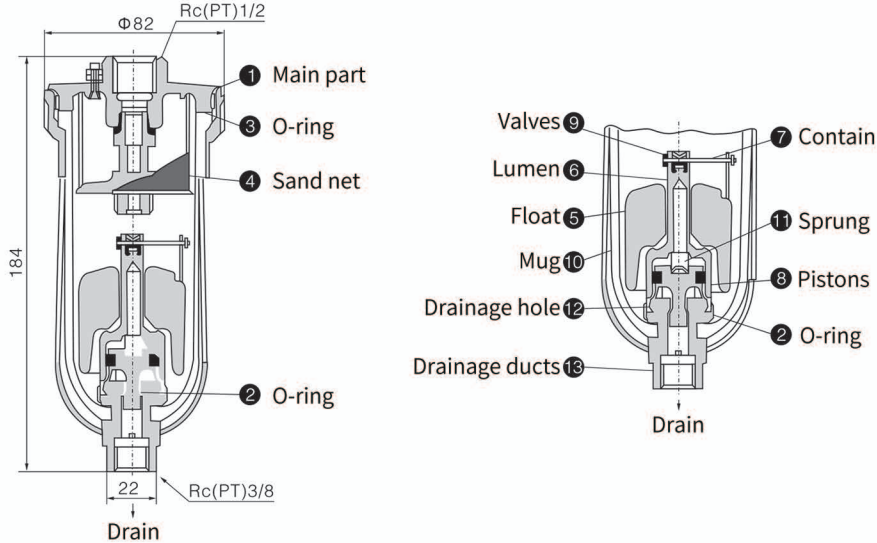
Part number	Name	Materials	Model/AD402-04
2	O-Ring	NBR	JIS B2401P-8
3	O-Ring	NBR	113136
4	Wire Mesh	SUS	20062

Working Principle

- When there is no pressure in the water cup
The float (5) drops due to self-weight, the valve (9) closes the cavity hole (6), the live case (8) is pressed down by the spring (11), and the condensate is drained through (12).
- When there is pressure in the water cup
When the pressure is above 1kgf/cm², the piston (8) overcomes the spring (11) and presses upward, thus the drain channel (12) closes and the inside of the water cup (10) is isolated from the outside world.
- When there is condensate inside the water cup
When condensate is collected to a certain extent, the float (5) rises due to buoyancy and opens the inner cavity hole (6) pressure enters the inner cavity, the piston (8) is pressed down by the pressure and the spring crab (11), and the condensate is drained through the drain conduit (13).

Automatic Drain Series / Special Oil

Working schematic



DKCN Oil Mist Specialized Oil Standardized

Turbine 1 oil (ISO Vg32)



DKCN-01

Technical Parameters

Extend the service life of the equipment: Containing special anti-rust and anti-corrosion additives, it effectively prevents the corrosion of the parts due to the condensate generated by the air in the pipeline, and protects the parts from rusting even under the humid spare parts. Make equipment operation more reliable: contains anti-static additives, can effectively prevent the accumulation of non-harmful static charge. antistatic additives, can effectively prevent the accumulation of very harmful static charge, improve the reliability of operation.
Reduced operating costs: Contains very effective antioxidants, long service life, even at high temperatures will not deteriorate into deposits. Performance Overview: This high quality low viscosity pneumatic system lubricant is made of highly refined mineral oil and selected combination of anti-wear agents, rust inhibitors, antioxidants, foamers, antistatic agents and so on.

Main application

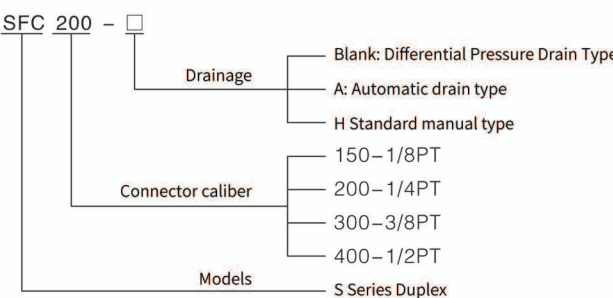
Widely used in spray lubrication and oil lubrication system of pneumatic machinery
Viscosity:32mm/s

Air Filter Combination Series



The product set filtration, decompression, oil mist in one, compact structure, large flow, stable output pressure, easy to install. Components with pressure gauge, mounting bracket, oil mist with non-stop gas refueling function, are equipped with a cup protective cover, safe and reliable, beautiful appearance.

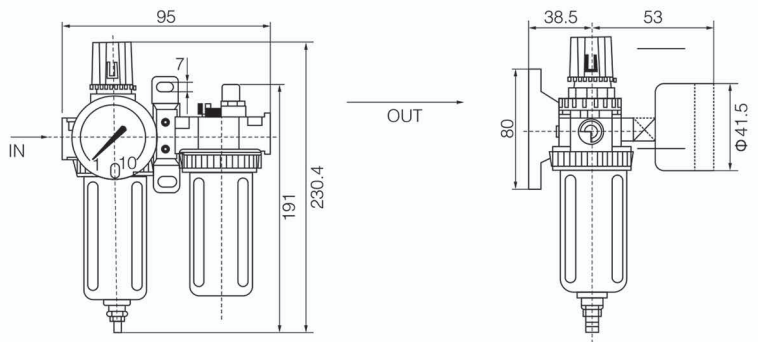
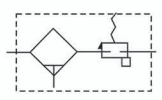
Model / Specification



Common characteristic

Guaranteed pressure: 1.5MPa
Maximum operating pressure: 1.0MPa
Ambient and Fluid Temperature: 5~60°C
All with cup protection cover

Symbolic:



Standard

Models	SFC-200	SFC-300	SFC-400
Tube caliber	1/4Rc	3/8Rc	1/2Rc
Pressure gauge caliber	1/8Rc	1/8Rc	1/8Rc

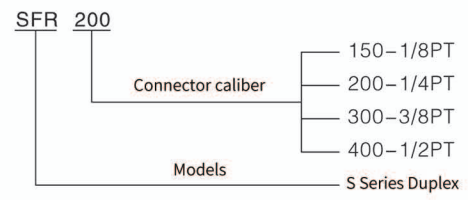
Pressure Regulating Filter Serie / Oil Mister Series

Regulating Filter SFR Series

Can be refueled without stopping the gas, equipped with a cup guard



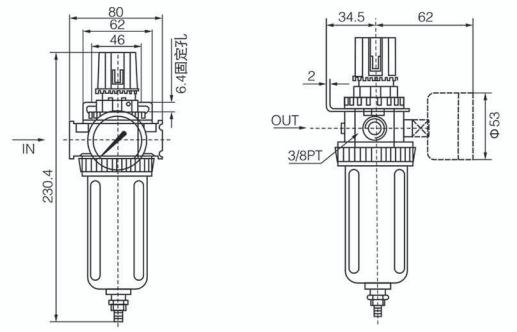
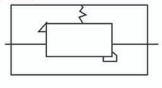
Model / Specification



Common characteristic

Guaranteed pressure: 1.5MPa
Maximum operating pressure: 1.0MPa
Ambient and Fluid Temperature: 5~60°C
All with cup protection cover

Symbolic:



Standard

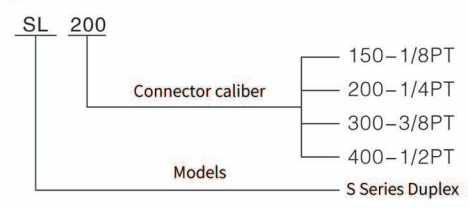
Models	SFR-200	SFR-300	SFR-400
Tube caliber	1/4Rc	3/8Rc	1/2Rc
Pressure gauge caliber	1/8Rc	1/8Rc	1/8Rc

Oil Mist SL Series

Can be refueled without stopping the gas, equipped with a cup guard



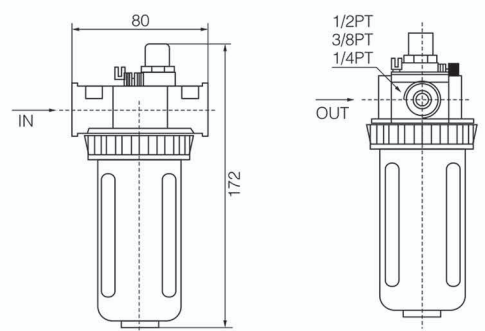
Model / Specification



Common characteristic

Guaranteed pressure: 1.5MPa
Maximum operating pressure: 1.0MPa
Ambient and Fluid Temperature: 5~60°C
All with cup protection cover

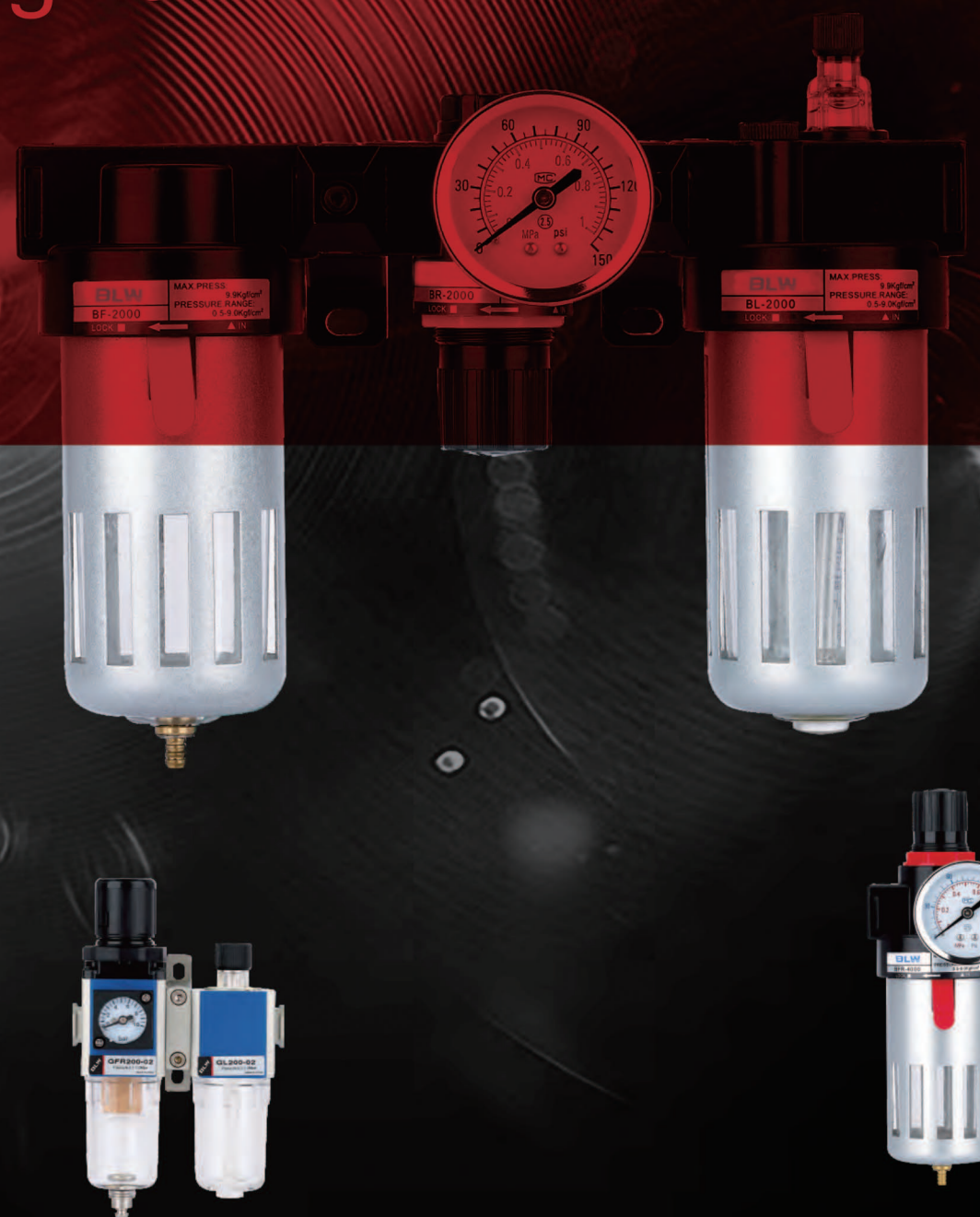
Symbolic:



Standard

Models	SL-200	SL-300	SL-400
Tube caliber	1/4Rc	3/8Rc	1/2Rc

AirTac Pneumatic Original



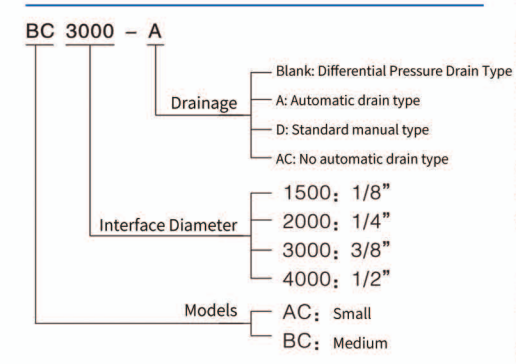
Gas Source Treatment

Product Specification

Models	AC1500	AC2000	BC2000	BC3000	BC4000	
Working medium	Atmosphere					
Pipe caliber	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2	
Cartridge precision	40 μ m or 5 μ m					
Adjustable pressure range	0.05 ~ 0.85MPa(7 ~ 121Psi)					
Maximum adjustable pressure	0.95MPa(135Psi)					
Guaranteed pressure	1.5MPa(213Psi)					
Working temperature	5 ~ 60℃					
Filter cup capacity	15CC		60CC			
Oil supply cup capacity	25CC		90CC			
Recommended lubrication oil	ISO VG 32					
Component	Strainers	AF1500	AF2000	BF2000	BF3000	BF4000
	Regulators	AR1500	AR2000	BR2000	BR3000	BR4000
	Oil feeder	AL1500	AL2000	BL2000	BL3000	BL4000



Model Description



Products Characteristics

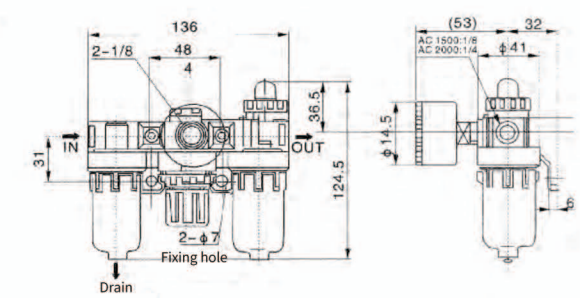
1. Light and compact structure, easy to install and use.
2. Press-in self-locking mechanism, which can prevent the adjusted pressure from external interference and produce different movements;
3. Small pressure loss, high efficiency of water distribution.
4. Transparent inspection cover, can directly observe the size of oil dripping.
5. In addition to the standard form, there is another low-pressure type for choice (the highest adjustable pressure of 0.4MPa);

Comply with

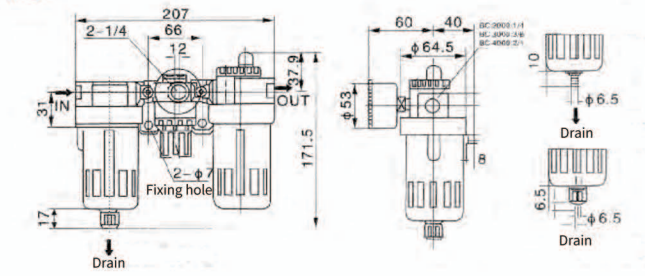


External dimensions

AC1500(2000)



BC2000-4000



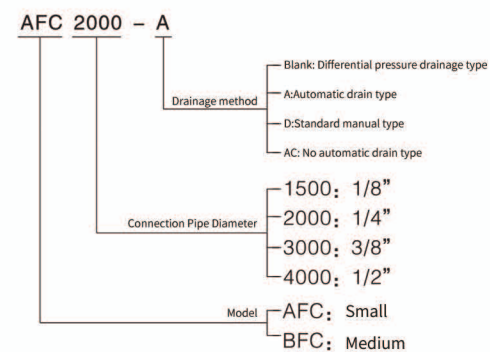
Gas source treatment Two-piece Series



Product Specification

Models		AFC1500	AFC2000	BFC2000	BFC3000	BFC4000
Working medium		Air				
Tube caliber		PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
Cartridge precision		40 μm or 5 μm				
Adjustable pressure range		0.05 ~ 0.85MPa(7 ~ 121Psi)				
Maximum adjustable pressure		0.95MPa(135Psi)				
Guaranteed pressure		1.5MPa(215Psi)				
Working temperature		5 ~ 60℃				
Filter cup capacity		15CC		60CC		
Oil supply cup capacity		25CC		90CC		
Recommended lubrication oil		ISO VG 32				
Element	Pressure regulating filters	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
	Oil Feeder	AL1500	AL2000	BL2000	BL3000	BL4000

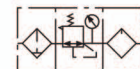
Model Description



Product Characteristics

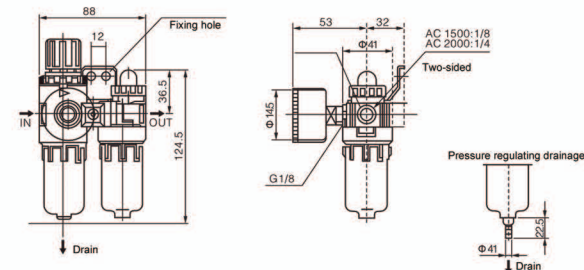
1. Light and compact structure, easy to install and use.
2. Press-in self-locking mechanism, which can prevent the adjusted pressure from being changed by external interference;
3. Small pressure loss, high efficiency of water distribution.
4. Transparent inspection cover, can directly observe the size of oil dripping.
5. In addition to the standard form, there is another low-pressure type for choice (the highest adjustable pressure of 0.4MPa)

Symbolic

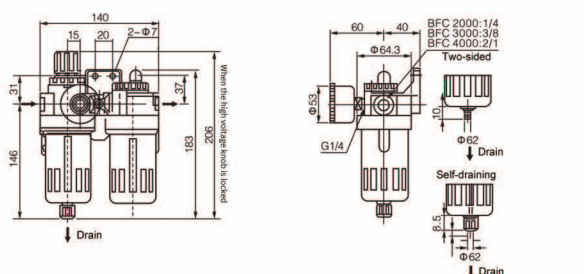


External dimensions

AFC 1500(2000)



BFC 2000-4000



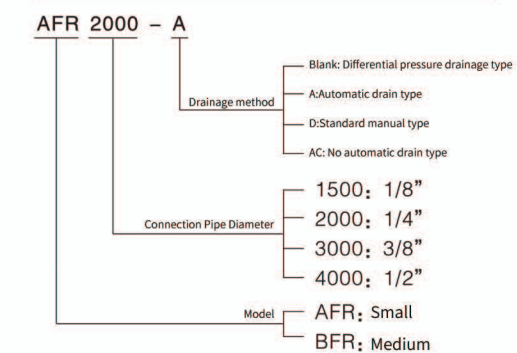
Filter Series



Product Specification

Model	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
Working medium	Atmosphere				
Pipe caliber	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
Filter precision	40 μm or 5 μm				
Adjustable pressure range	Self-draining & Differential Pressure Drain: 0.05 ~0.85MPa(7 ~121Psi)				
Maximum adjustable pressure	0.95MPa(135Psi)				
Guaranteed pressure	1.5MPa(213Psi)				
Working temperature	5 ~ 60℃				
Filter cup capacity	15CC		60CC		

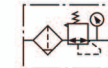
Model Description



Product Characteristics

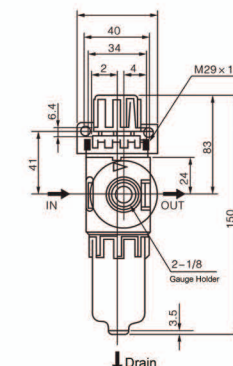
1. Light and compact structure, easy to install and use.
2. Press-in self-locking mechanism, which can prevent the adjusted pressure from being changed by external interference;
3. Small pressure loss, high efficiency of water distribution.
4. Transparent inspection cover, can directly observe the size of oil dripping.
5. In addition to the standard form, there is another low-pressure type for choice (the highest adjustable pressure of 0.4MPa)

Symbolic

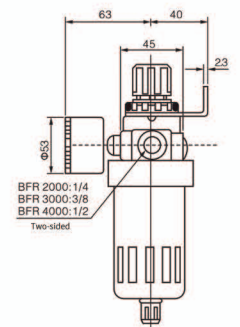
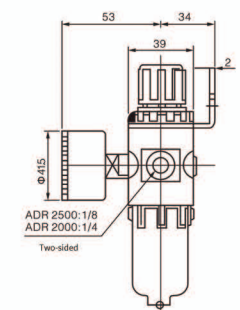
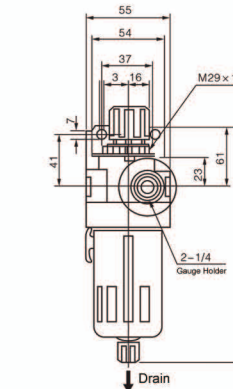


External dimensions

AFR1500(2000)



BFR2000(4000)



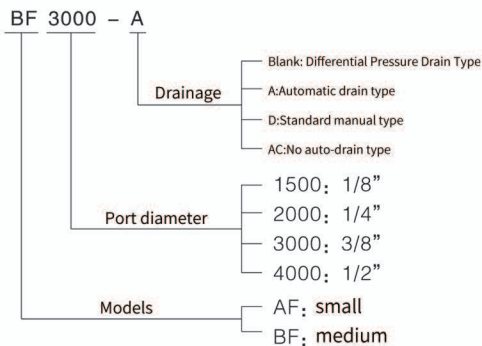
Filter Series



Product Specification

Model	AF1500	AF2000	BF2000	BF3000	BF4000
Working medium	Atmosphere				
Pipe caliber	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
Filter precision	40 μ m or 5 μ m				
Guaranteed pressure resistance	1.5MPa(213Psi)				
Working temperature	5 ~ 60°C				
Filter cup capacity	15CC		60CC		

Model Description



Product Characteristics

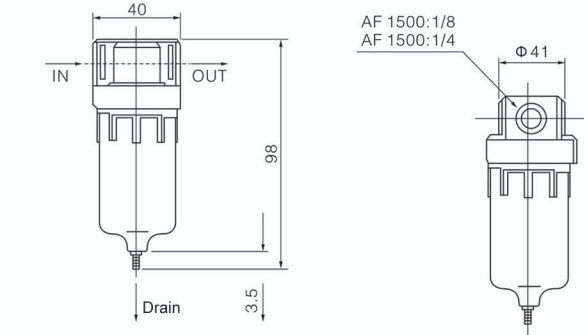
- AF series.
1. Light and compact structure.
 2. Small pressure loss, high efficiency of water separation.
 3. Filtration accuracy 5μm, 40 μm optional.
- BF series.
1. Small pressure loss, high efficiency of water distribution.
 2. High-strength plastic protective cover outside the water cup, safe and reliable use.
 3. Filtering precision 5μm, 40μm optional.

Symbol

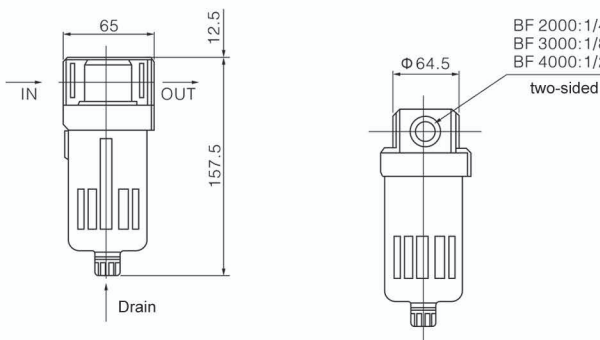


External Dimensions

AF1500(2000)



BF2000-4000



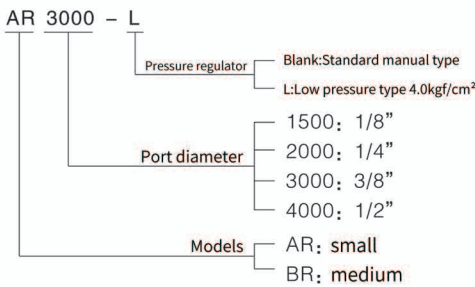
Pressure Regulator Series



Product Specification

Model	AR1500	AR2000	BR2000	BR3000	BR4000
Working medium	Atmosphere				
Pipe caliber	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
Filter precision	0.05 ~ 0.85MPa(7 ~ 121Psi)				
Guaranteed pressure resistance	0.95MPa(135Psi)				
Working temperature	1.5MPa(213Psi)				
Filter cup capacity	5 ~ 60°C				

Model Description



Product Characteristics

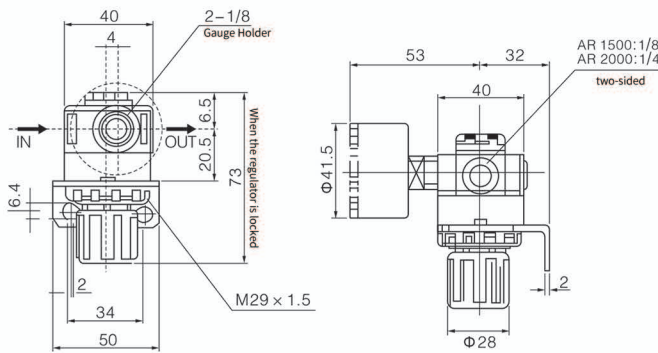
1. Light and compact structure, easy to install and use.
2. Press-in self-locking mechanism prevents the adjustable pressure from being affected by external interference.
3. In addition to the standard form, there is a low-pressure type available (maximum adjustable pressure of 0.4MPa)

Symbol

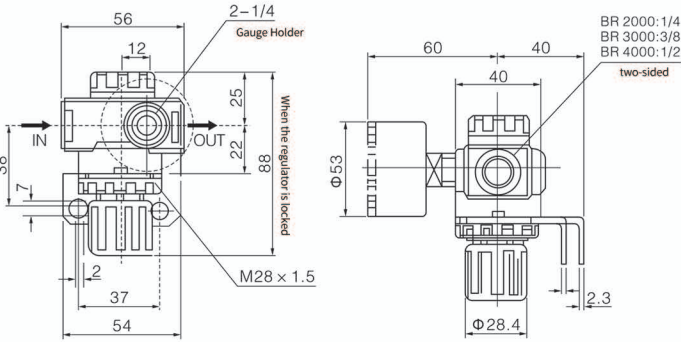


External Dimensions

AR 1500(2000)



BR 2000-4000



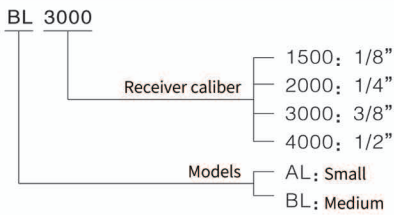
Oil Feeder Series



Product Specification

Models	AL1500	AL2000	BL2000	BL3000	BL4000
Working medium	Atmosphere				
Tube caliber	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
Guaranteed pressure	1.5MPa(213Psi)				
Working temperature	5 ~ 60℃				
Oil cup capacity	15CC		60CC		
Recommended lubrication oil	ISO VG 32				

Model Description



Product Characteristics

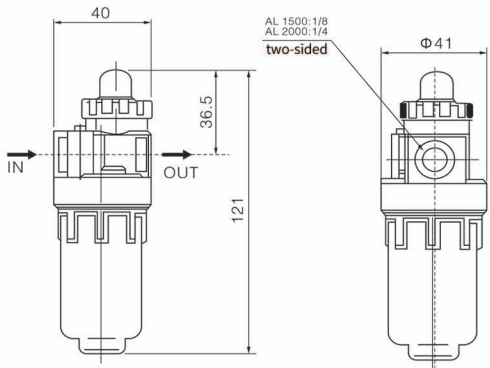
1. Light and compact structure
2. Transparent inspection cover, you can directly observe the size of the oil drops.
3. BL has a high-strength plastic protective cover, the use of safe and reliable.
4. Small pressure loss, low fogging flow.

Symbol

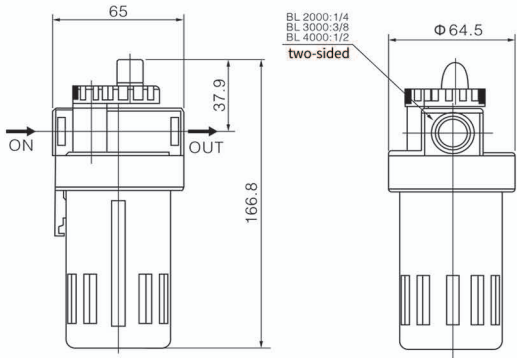


External Dimensions

AL 1500(2000)



BL 2000-4000



Air Source Filter
Original



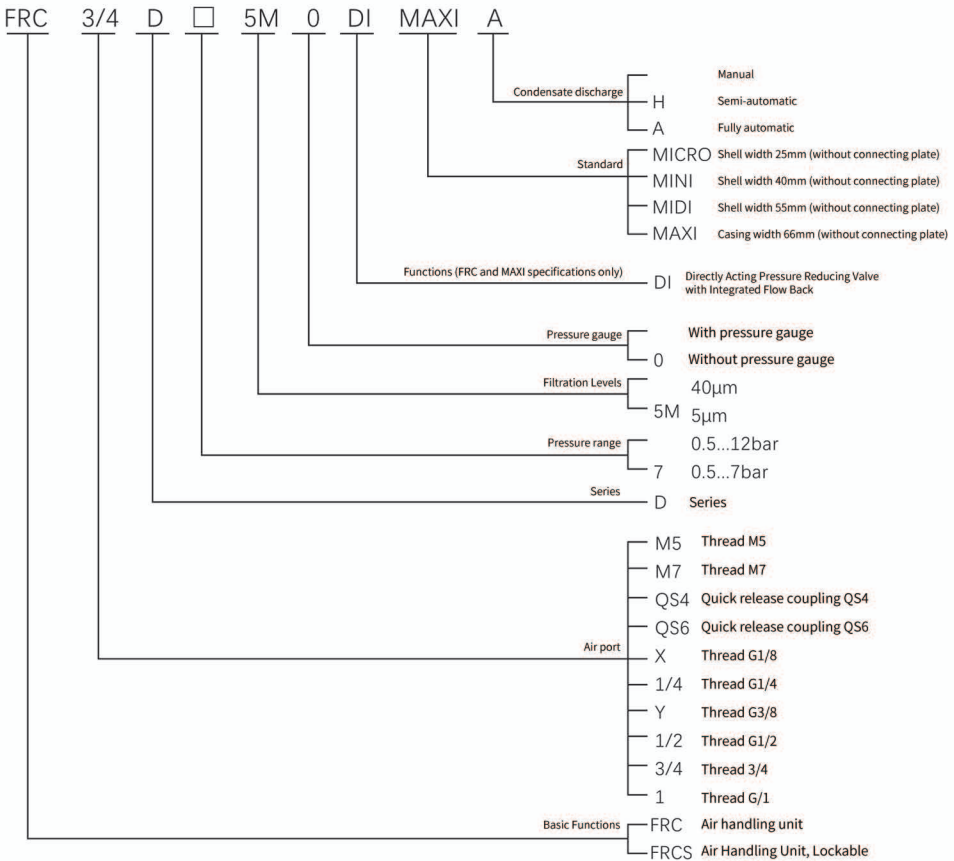
FRC two-piece series



Technical Parameters

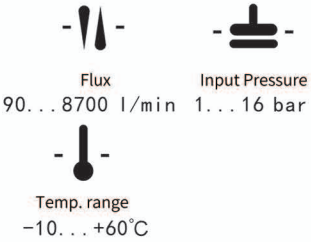
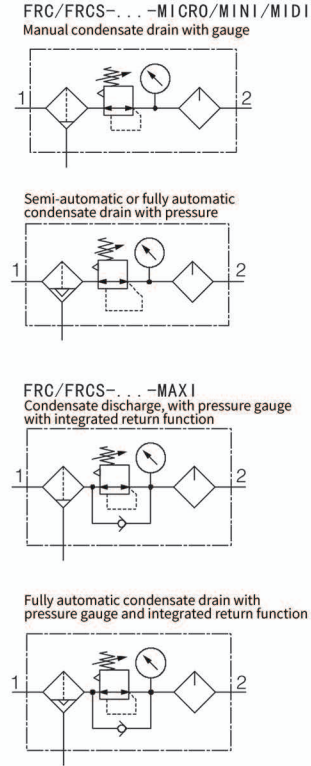
Standard	Micro					Mini			Midi				Maxi		
Air interface	M5	M7	G1/8	QS4	QS6	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1
Working medium	Compressed air														
Structural features	Filtered pressure reducing valve with/without pressure gauge														
	Proportional standard oil mist														
Installation	via accessories														
	Tube mounting														
Mounting position	Vertical ± 5°														
MPressure Reducing Valve Lockounting position	Swinghandle with locking														
	-					Swinghandle with integrated lock									
Filtration grade µm	0.5					5 or 40									
Maximum hysteresis bar	0.3					0.2								0.4	
Pressure range bar	0.5...7					0.5...7									
						0.5...12									
Pressure display	By means of pressure gauge														
	M5 Preset					G1/8 preset			G1/4 preset			G1/4 preset			
Max. condensate volume cm ³	3					22			43			80			
Input pressure bar															
Condensate discharge	Manual	1...10				2...16									
	Semi-automatic	1...10				-									
	Fully automatic	-				2...12									

Ordering Code



FRC two-piece series

Technical Parameters

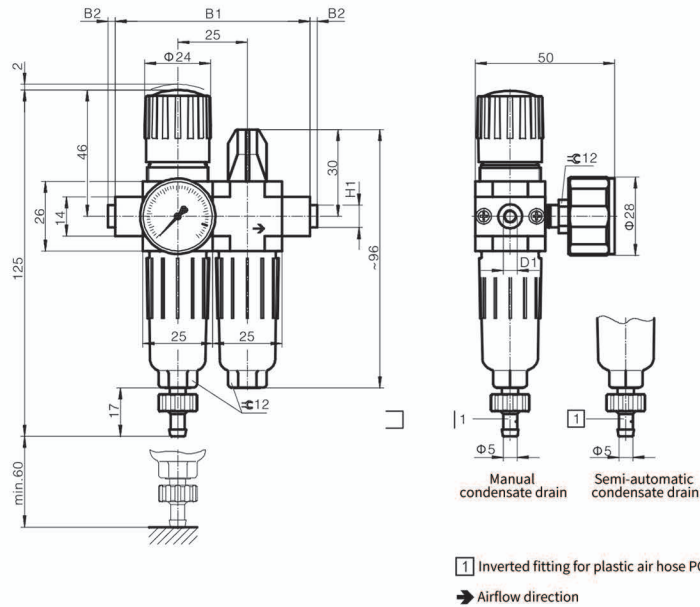


Combines filters, pressure reducing valves and oil misters
Combined in one unit
High flow rate for efficient dirt removal
Good regulation characteristics with low hysteresis
Protects against tampering with set parameter values by locking the rotary handle
Lockable swinghandle

Two pressure adjustment ranges: 0.5... 7 and 0.5... 12 bar
Two pressure gauge connections for different installation options
With manual, semi-automatic or fully automatic condensate drain
Optional filter element: 5µm or 40µm

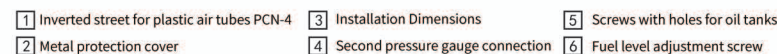
The following oils are recommended: Viscosity range according to ISO3448, ISO grade VG3232mm²/S (=cSt), 40°C

External Dimensions



Models	B1	B2	B1	H1
FRC-M5-D-7-5M-MICRO (H)	50	-	M5	-
FRC-M7-D-7-5M-MICRO (H) B			M7	
FRC-1/8-D-7-5M-MICRO (H)			G1/8	
FRC-QS4-D-7-5M-MICRO (H)	70	~2.5	QS4	~8
FRC-QS6-D-7-5M-MICRO (H)			QS6	~10

Mini/Midi/Maxi



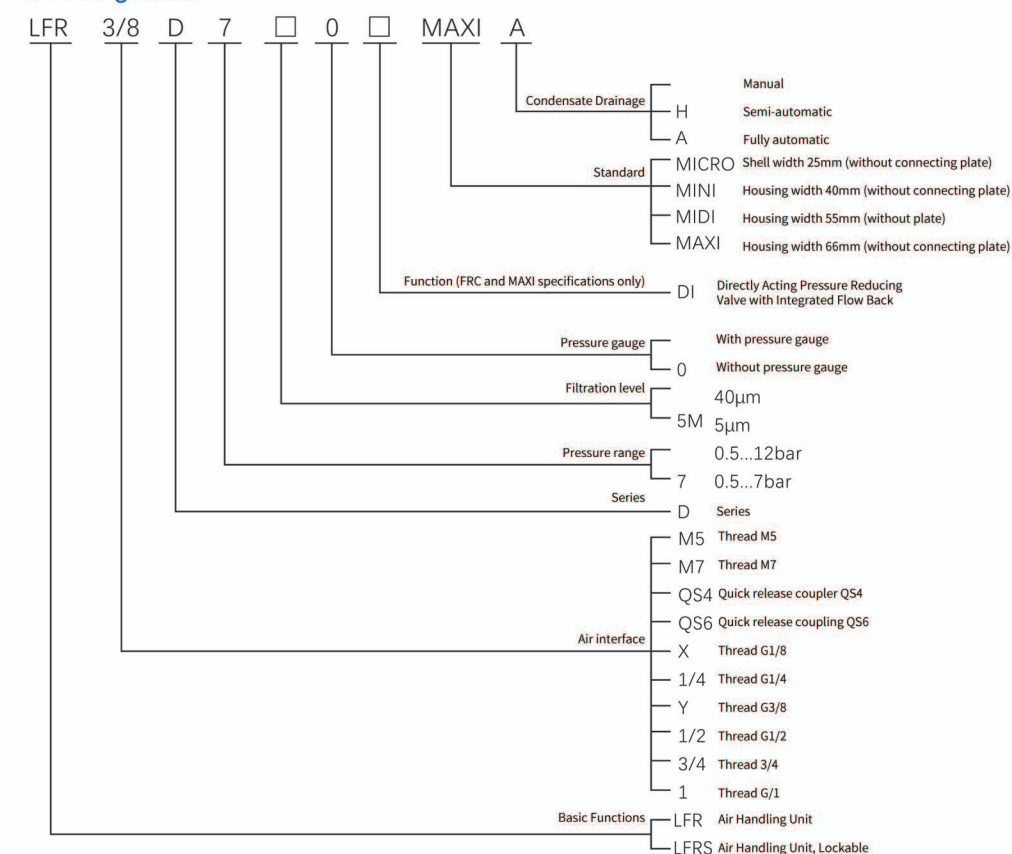
Model	B1	B2	B3	B4	D1	D2	D3	D4	D5	D6	H1	H2	L1	L2	L3	L4	L5	L6	L7	L8	L9	T1	◀1	◀2	
Mini																									
FRG/FRCS-1/8-D	104	92	40	76	G1/8	31	M4	M36x1.5	41	38	20	11	193	169	60	69	100	98	60	15	19	7	14	22	
FRG/FRCS-1/4-D					G1/4																				
FRG/FRCS-3/8-D	110				G3/8																				
Midi																									
FRG/FRCS-1/4-D	104	125	55	95	G1/4	50	M5	M52x1.5	50	52	32	22	250	204	80	99	120	130	60	15	19	8	14	24	
FRG/FRCS-3/8-D					G3/8																				
FRG/FRCS-1/2-D					G1/2																				
FRG/FRCS-3/4-D					G3/4																				
Maxi																									
FRG/FRCS-1/2-D	162	146			G1/2	31	M36x1.5		50	65	32		252			82	111					19	8	14	24
FRG-1/2-D-D1					49	M52x1.5							105			135									
FRG/FRCS-3/4-D					31	M36x1.5							252			82	111								
FRG-3/4-D-D1					49	M52x1.5							275			105	135								
FRG/FRCS-1-D	182	157			G1	31	M36x1.5				40		252			82	111								
FRG-1-D-D1					49	M52x1.5	275						105			135									

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Standard	Micro					Mini			Midi				Maxi		
Air interface	M5	M7	G1/8	QS4	QS6	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G
Working medium	Compressed air														
Structural characteristics	Filtered pressure reducing valve with/without pressure gauge														
	Proportional standard oil mist														
Installation	Via accessories														
	Tube mounting														
Mounting position	Vertical +5°														
Pressure Reducing Valve Latch	Swinghandle with locking														
	-					Swinghandle with integrated lock									
Filtration grade µm	0.5					5 or 40									
Max. hysteresis bar	0.3					0.2								0.4	
Pressure range bar	0.5...7					0.5...7									
						0.5...12									
Pressure display	By means of pressure gauges														
	M5 Preset					G1/8 Preset			G1/4 Preset				G1/4 Preset		
Max. condensate volume cm ³	3					22			43				80		
Input pressure bar															
Condensate discharge	Manual	1...10				2...16									
	Semi-automatic	1...10				-									
	Fully automatic	-				2...12									

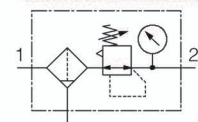
Ordering Code



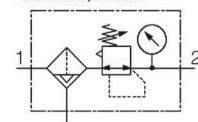
LFR Filter pressure reducing valve series

Technical Parameters

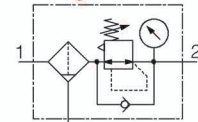
FRC/FRCS-...-MICRO/MINI/MIDI
Manual condensate drain with gauge



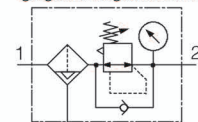
Semi-automatic or fully automatic condensate drain with pressure



FRC/FRCS-...-MAX
Condensate discharge, with pressure gauge, with integrated return function



Fully automatic condensate drain with pressure gauge and integrated return function



Flux
90...8700 l/min

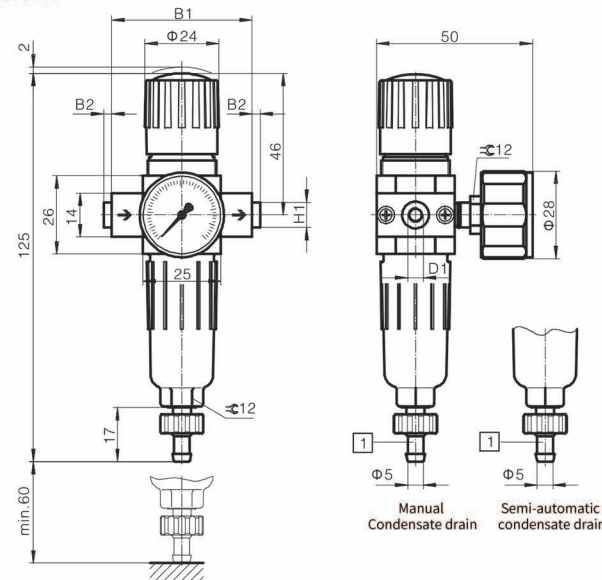
Temperature range
-10...+60°C

Input Pressure
1...16 bar

- 1.Compact design, combining filter and pressure reducing valve in one unit, good particle separation, high flow rate.
- 2.Two pressure adjustment ranges: 0.5....7bar and 0.5...12bar..12bar
- 3.Two pressure gauge connections for flexible installation
- 4.With manual, semi-automatic or fully automatic condensate drainage
- 5.Protected against tampering with settings by locking the rotary handle
- 6.Optional filter element: 5 µm or 40 µm
- 7.Pressure sensor (optional)

External Dimensions

Micro

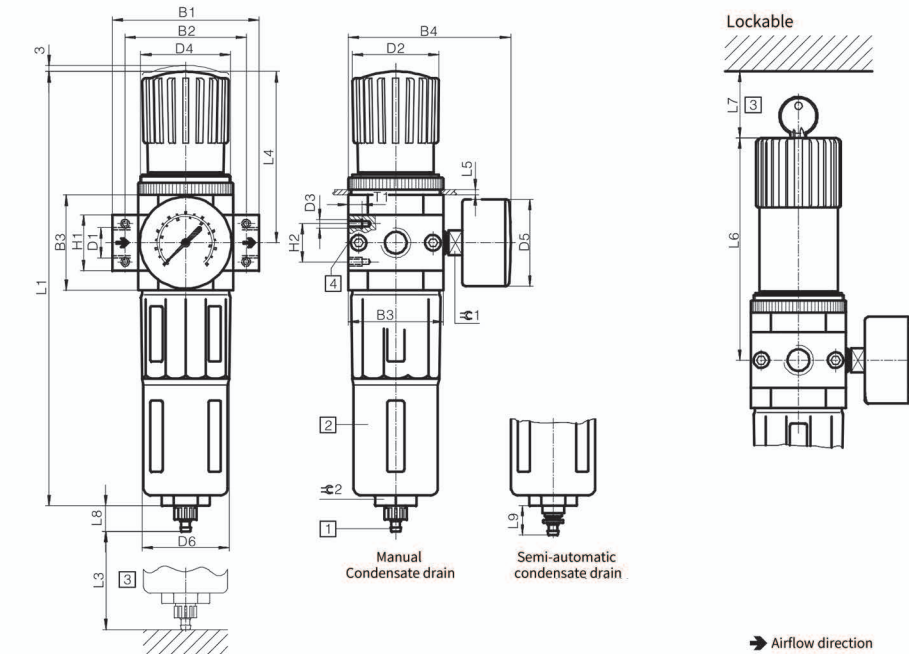


Model	B1	B2	D1	H1
LFR-M5...-MICRO(H)	25	-	M5	-
LFR-M7...-MICRO(H)B			M7	
LFR-1/8...-MICRO(H)			G1/8	
LFR-QS4...-MICRO(H)	45	~2.5	QS4	~8
LFR-QS6...-MICRO(H)			QS6	~10

LFR Filter pressure reducing valve series

External Dimensions

Mini/Midi/Maxi



- 1 Inverted street for plastic air tubes PCN-4
2 Metal protective cover
3 Installation Dimensions
4 Second pressure gauge connection

Model	B1	B2	B3	B4	D1	D2	D3	D4	D5	D6	H1	H2	L1	L3	L4	L5 max.	L6	L7	L8	L9	T1	±1	±2
Mini																							
LFR/LFRS-1/8-D	64	52	40	76	G1/8	31	M4	M36x1.5	41	38	20	11	193	60	68	3	98	60	15	19	7	14	22
LFR/LFRS-1/4-D					G1/4																		
LFR/LFRS-3/8-D	70				G3/8																		
Midi																							
LFR/LFRS-1/4-D	85	70	55	95	G1/4	50	M5	M52x1.5	50	52	32	22	250	80	99	5	130	60	15	19	8	14	24
LFR/LFRS-3/8-D					G3/8																		
LFR/LFRS-1/2-D					G1/2																		
LFR/LFRS-3/4-D					G3/4																		
Maxi																							
LFR/LFRS-1/2-D	96	80			G1/2	31		M36x1.5				32	252		82		111						
LFR/LFRS-1/2-D-DI						49		M52x1.5					275		105		135						
LFR/LFRS-3/4-D						31		M36x1.5					252		82		111						
LFR/LFRS-3/4-D-DI						49		M52x1.5					275		105		135						
LFR/LFRS-1-D	116	91			G1	31		M36x1.5				40	252		82		111						
LFR/LFRS-1-D-DI						49		M52x1.5					275		105		135						

Note: This product conforms to ISO1179-1 and ISO228-1.

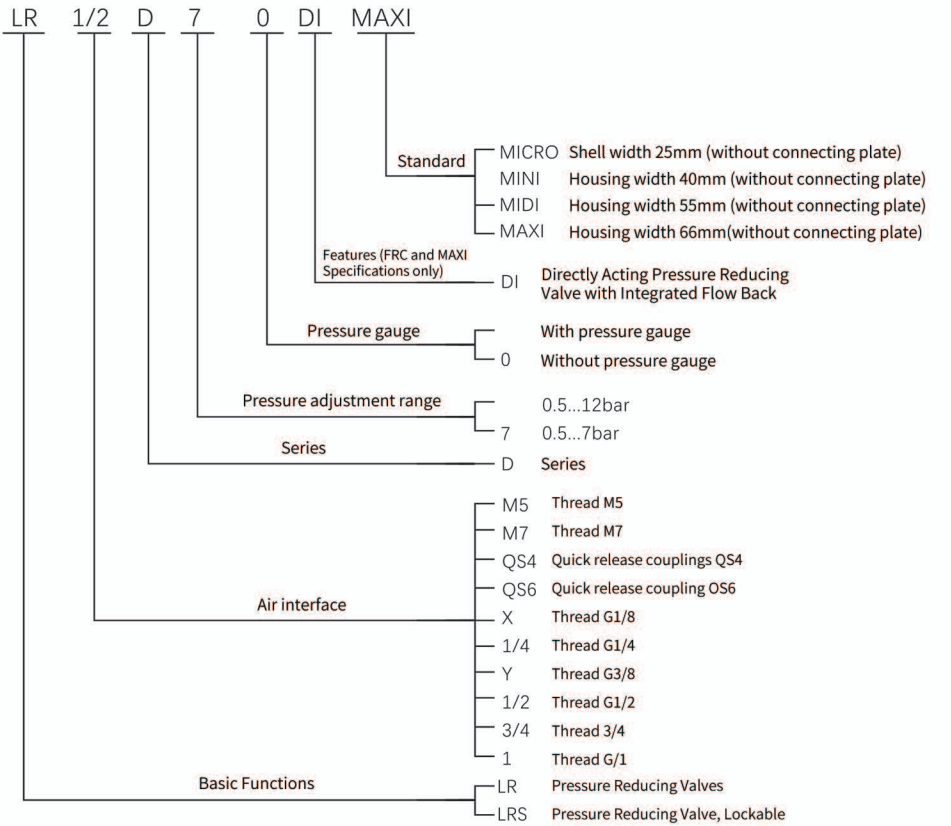
LR Pressure reducing valve series



Technical Parameters

Standard	Micro					Mini			Midi				Maxi		
Air connection	M5	M7	G1/8	QS4	QS6	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1
Working medium	Compressed air					Filtration of compressed air, lubricated or non-lubricated, filtration class 40µm									
Structural features	Direct Actuated Diaphragm Type Pressure Reducing Valves					Direct Actuated Diaphragm Type Pressure Reducing Valves							Pilot Operated Piston Reducing Valves		
													Direct Drive Piston Pressure Reducing Valve		
Installation	By attachment/tube mounting/panel mounting														
Mounting position	Arbitrarily														
Pressure Reducing Valve Lock	Swivel Handle with Lock														
	-					Swinghandle with integrated lock									
Input pressure bar	1...10					1...16									
Maximum hysteresis bar	0.3					0.2							0.4		
Pressure range bar	0.5...7					0.5...7									
						0.5...12									
Pressure display	By means of a pressure gauge														
	M5 Preset					G1/8Preset			G1/4Preset				G1/4Preset		

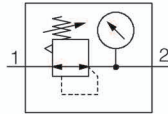
Ordering Code



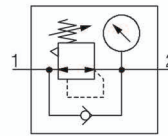
LR Pressure reducing valve series

Technical Parameters

LR/LRS-...-MICRO/MINI/MIDI
With pressure gauge



LR/LRS-...-1-MINI/MIDI
LR/LRS-...-MAXI
With Pressure Gauge, Includes Reverse Flow



Flux
120...12500 l/min

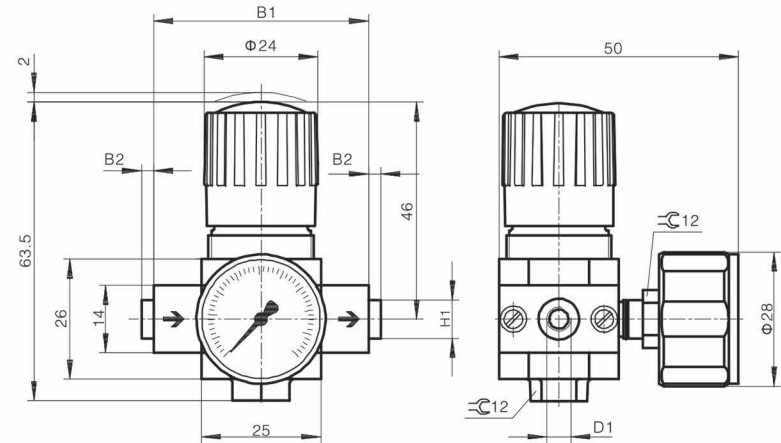
Temperature range
-10...+60°C

Input Pressure
1...16 bar

- 1.Also suitable for panel mounting
- 2.Two pressure connections for different types of installation
- 3.Mini and Midi sizes: directly actuated diaphragm-type pressure reducing valves
- 4.Maxi size: Pilot-operated piston pressure reducing valve, diaphragm-type pressure reducing valve LRS-DI
- 5.Good regulating characteristics with low hysteresis
- 6.High flow rate
- 7.Two pressure adjustment ranges: 3.5...7bar and 0.5...12bar
- 8.Locking of the rotary handle to prevent tampering with the set parameter values.
- 9.Return remote term for exhaust air from 12 outputs to 1 input.
- 10.Pressure sensor (optional)

Dimension

Micro

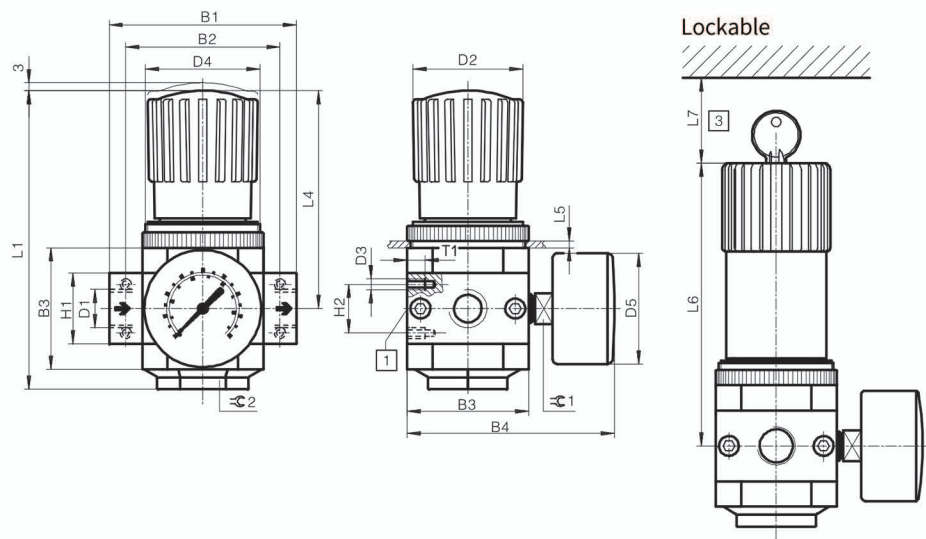


➔ Airflow direction

Model	B1	B2	B1	H1
LR-M5-D-7-5M-MICRO	25	-	M5	-
LR-M7-D-7-5M-MICRO B			M7	
LR-1/8-D-7-5M-MICRO			G1/8	
LR-QS4-D-7-5M-MICRO	45	~2.5	QS4	~8
LR-QS6-D-7-5M-MICRO			QS6	~10

LR Pressure reducing valve series

External Dimensions
Mini/Midi/Maxi



[1] Second Pressure Gauge Port [2] Mounting Dimension → Airflow direction

Models	B1	B2	B3	B4	D1	D2Φ	D3	D4	D5Φ	H1	H2	L1	L4	L5 max.	L6	L7	T1	↺1	↺2
Mini																			
LR/LRS-1/8-D(1)	64	52	40	76	G1/8	31	M4	M36x1.5	41	20	11	193	69	100	98	60	7	14	22
LR/LRS-1/4-D(1)					G1/4														
LR/LRS-3/8-D(1)	70				G3/8														
Midi																			
LR/LRS-1/4-D(1)	85	70	55	95	G1/4	50	M5	M52x1.5	50	32	22	250	99	120	130	60	8	14	24
LR/LRS-3/8-D(1)					G3/8														
LR/LRS-1/2-D(1)					G1/2														
LR/LRS-3/4-D(1)					G3/4														
Maxi																			
LR/LRS-1/2-D	96	80			G1/2	31		M36x1.5					252	82		111			
LR/LRS-1/2-D-DI						49		M52x1.5					275	105		135			
LR/LRS-3/4-D						31		M36x1.5					252	82		111			
LR/LRS-3/4-D-DI						49		M52x1.5					275	105		135			
LR/LRS-1-D	116	91			G1	31		M36x1.5					252	82		111			
LR/LRS-1-D-DI						49		M52x1.5					275	105		135			

Note: This product conforms to ISO1179-1 and ISO228-1.

LF filter series



Technical Parameters

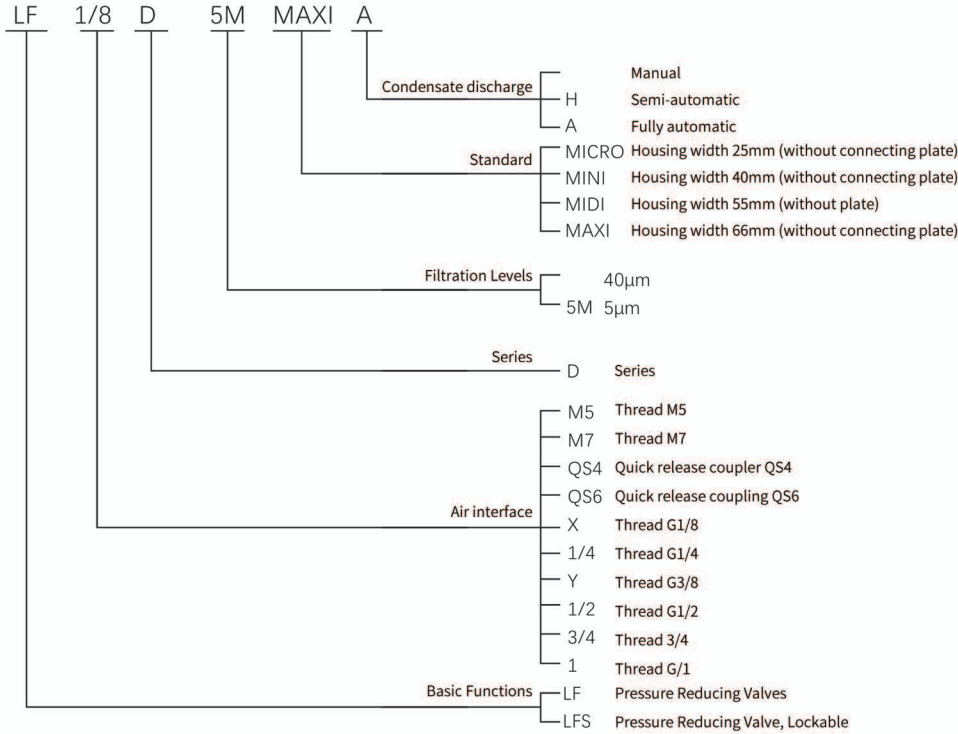
Standard		Micro					Mini			Midi				Maxi		
Air connection		M5	M7	G1/8	QS4	QS6	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1
Working medium		Compressed air					Compressed air									
Structural Characteristics		Sintered filter with centrifugal separation					Sintered filter with centrifugal separation									
Installation		Tube mounting with accessories					Tube mounting with accessories									
Installation position		Vertical +5°					Vertical +5°									
Filtration class um		5					5 or 40									
Maximum condensate volume cm³		3					22			43				80		
Input pressure bar																
Condensate discharge	Manual	1...10					2...16									
	Semi-automatic	1...10					-									
	Fully automatic	-					2...12									

Note: This product conforms to ISO1179-1 and ISO228-1.

Standard flow ratings

Connector	Female thread		Connection plate		
	M5	M7	G1/8	QS4	QS6
Micro					
HF	170	280	290	170	280

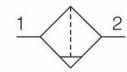
Ordering Code



LF filter series

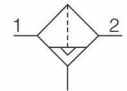
Technical Parameters

Manual condensate drain



Flux
120...12500 l/min

Semi- or fully-automatic
Condensate drainage



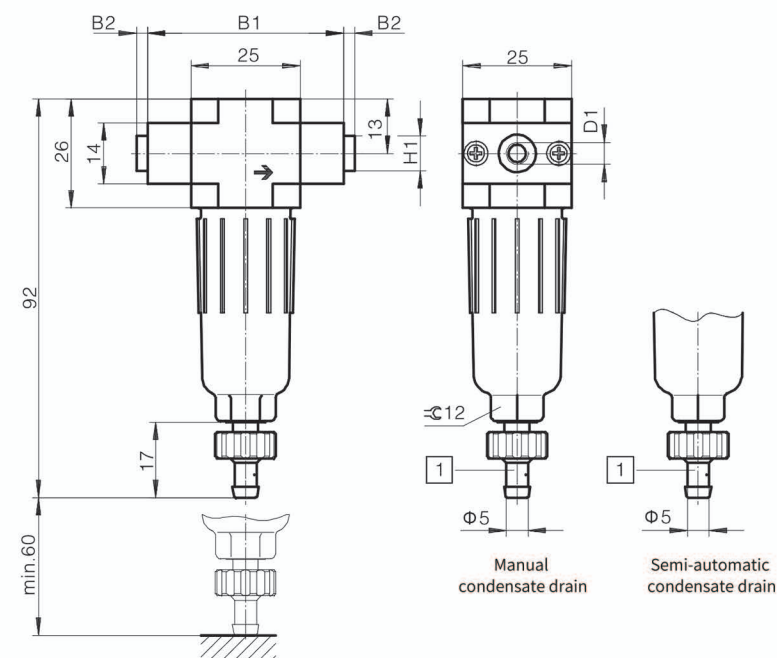
Temperature range
-10...+60°C

Input Pressure
1...16 bar

1. Excellent particle filtration and condensate separation
2. High flow rate with low pressure drop
3. With manual or fully automatic condensate drain
4. Optional filter element: 5µm or 40µm

Dimension

Micro



1 Inverted fitting for plastic air hose PCN-4

➔ Airflow direction

Model	B1	B2	B1	H1
LF-M5-D-7-5M-MICRO (H)	25	-	M5	-
LF-M7-D-7-5M-MICRO (H) B			M7	
LF-1/8-D-7-5M-MICRO (H)	45		G1/8	
LF-QS4-D-7-5M-MICRO (H)		~2.5	QS4	~8
LF-QS6-D-7-5M-MICRO (H)			QS6	~10

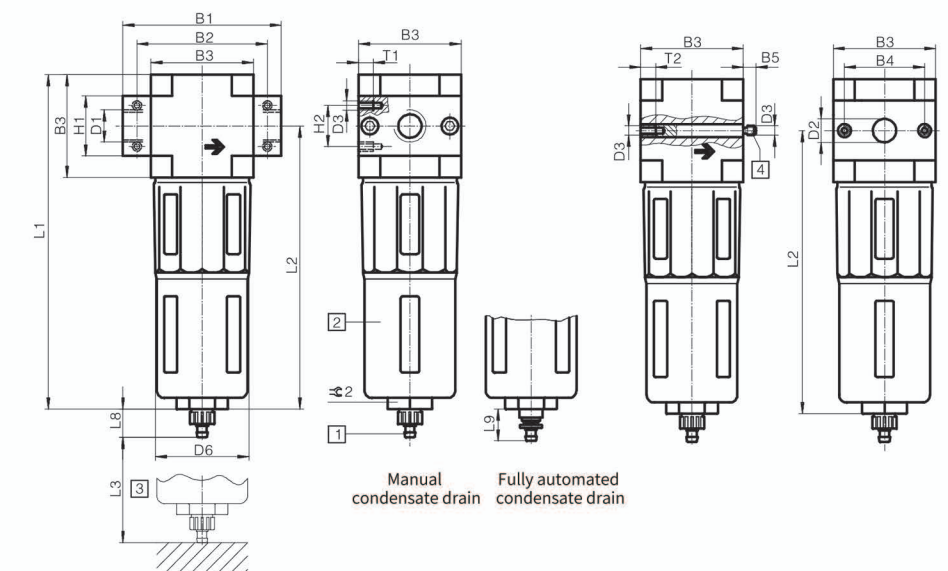
LF filter series

Dimension

Mini/Midi/Maxi

Threaded connection plate

Without threaded connecting plate



1 Barb street for plastic air tubes PCN-4

2 Metal Shield

3 Mounting Dimensions

4 Threaded Pins

➔ Airflow direction

Models	B1	B2	B3	B4	B5	D1	D2Φ	D3	D6Φ	H1	H2	L1	L2	L3	L8	L9	T1	↺1	↺2
Mini																			
LF-1/8-D(1)	64	52	40	30	-	G1/8	-	M4	38	20	11	144	124	60	15	19	7	14	22
LF-1/4-D(1)						G1/4													
LF-3/8-D-MAXI						G3/8													
LF-D-MAXI	-	-			5.8	-	11			-	-						-	10	
Midi																			
LF-1/4-D-MIDI	85	70	55	43	-	G1/4	-	M5	50	32	22	179	151	80	15	19	8	14	24
LF-3/8-D-MIDI						G3/8													
LF-1/2-D-MIDI						G1/2													
LF-3/4-D-MIDI						G3/4													
LF-D-MIDI	-	-			6.8	-	24			-	-						-	11	
Maxi																			
LF-1/2-D-MAXI	96	80	66	46	-	G1/2	-	M5	65	32	22	203	170	90	15	19	8	-	24
LF-3/4-D-MAXI						G3/4													
LF-1-D-MAXI	116	61									G1								
LF-D-MAXI	-	-			6.8	-	30			-	-						-	11	

Note: This product conforms to ISO1179-1 and ISO228-1.

LOE Oil mister series



Technical Parameters

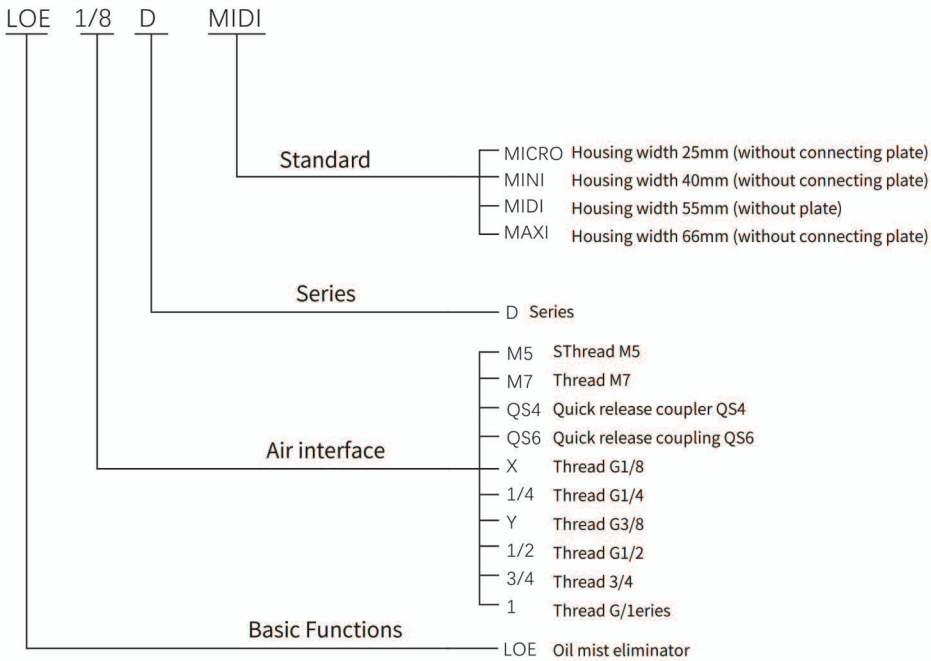
Standard	Micro					Mini			Midi				Maxi		
Air connection	M5	M7	G1/8	QS4	QS6	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1
Working media	Filtration of compressed air without lubrication Filtration class 5µm					Filtration of compressed air, unlubricated, filter class 40µm									
Structure	Proportional Standard Oil Mist														
Installation	Tube mounting via accessories														
Mounting position	Vertical ±5°														
Input pressure bar	0..10														
Minimum flow rate l/min for oil atomizer operation	3					3			8				10		
Maximum oil capacity cm³	6.5					45			110				190		

Note: This product conforms to ISO1179-1 and ISO228-1.

Standard flow ratings

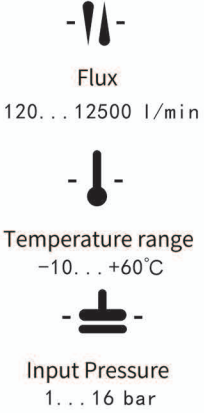
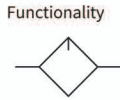
Connector	Female thread		Connection plate		
	M5	M7	G1/8	QS4	QS6
Micro					
HF	200	430	410	16	330

Ordering Code



LOE Oil mister series

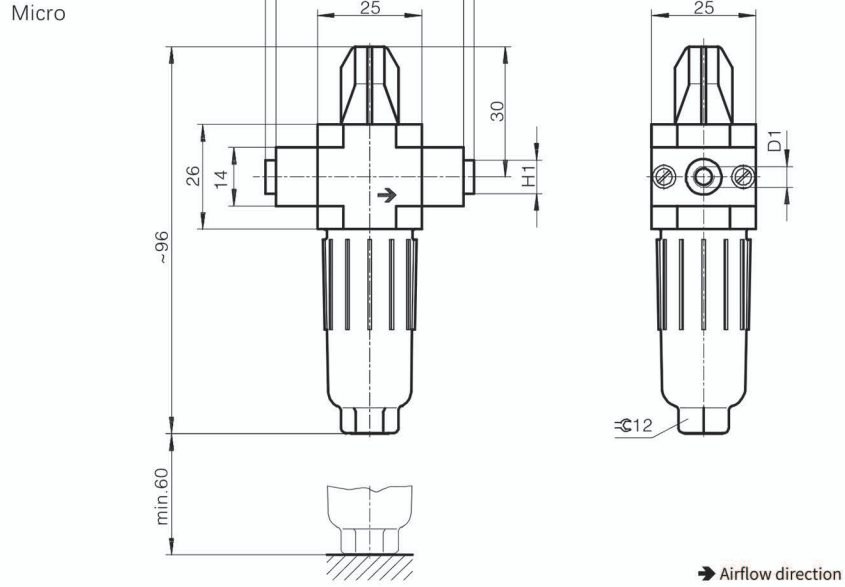
Technical Parameters



Proportional oil misters add a precisely regulated amount of lubricant to the compressed air stream. The airflow through the venturi nozzle is used to bring the oil from the oil touchdown to the drip cap where the pressure drops. From the drop cap, the oil mist is atomized and the oil mist is added in proportion to the air flow.

Proportional oil mist with precision oil gauge
Reduced wear on drive units under high loads
High flow rate
Easy refueling
Robust metal housing
Transparent filter cup with metal protective cover
The following oils are recommended: Viscosity range according to ISO3448:ISO grade VG3232mm2/s (=St), 40°C

Dimension

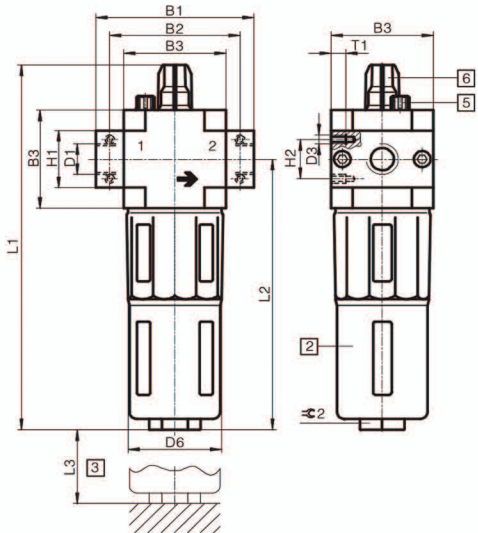


Model	B1	B2	B1	H1
LOE-M5-D-MICRO	25	-	M5	-
LOE-M7-D-MICRO			M7	
LOE-1/8-D-MICRO	45	~2.5	G1/8	~8
LOE-QS4-D-MICRO			QS4	
LOE-QS6-D-MICRO			QS6	~10

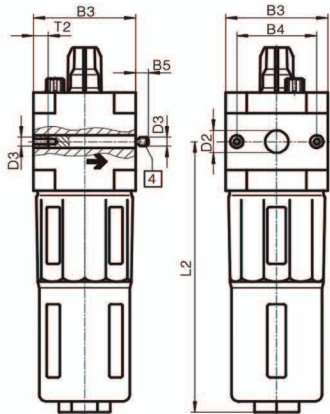
LOE Oil mister series

Dimension

Mini/Midi/Maxi
Threaded Plate



Without threaded connection plate



- [2] Metal protective cover [3] Mounting Dimensions [4] Threaded pins (interchangeable)
[5] Screws with holes for tanks [6] Oil volume adjusting screw

→ airflow direction

Models	B1	B2	B3	B4	B5	D1	D2	D3	D4	H1	H2	L1	L2	L3	T1	↺1	↺2
Mini																	
LOE-1/8-D (1)	64	52	40	30	-	G1/8	-	M4	38	20	11	169	124	100	7	-	22
LOE-1/4-D (1)	70	-	-	-	-	G1/4	-	-	-	-	-	-	-	-	-	-	-
LOE-3/8-D-MAXI	-	-	-	-	-	G3/8	-	-	-	-	-	-	-	-	-	-	-
LOE-D-MAXI	-	-	-	-	-	5.8	-	11	-	-	-	-	-	-	-	-	10
Midi																	
LOE-1/4-D-MIDI	-	-	-	-	-	G1/4	-	-	-	-	-	-	-	-	-	-	-
LOE-3/8-D-MIDI	85	70	55	43	-	G3/8	-	M5	50	32	22	204	151	120	8	-	24
LOE-1/2-D-MIDI	-	-	-	-	-	G1/2	-	-	-	-	-	-	-	-	-	-	-
LOE-3/4-D-MIDI	-	-	-	-	-	G3/4	-	-	-	-	-	-	-	-	-	-	-
LOE-D-MIDI	-	-	-	-	-	6.8	-	24	-	-	-	-	-	-	-	-	11
Maxi																	
LOE-1/2-D-MAXI	96	80	-	-	-	G1/2	-	-	-	-	-	-	-	-	-	-	-
LOE-3/4-D-MAXI	-	-	-	-	-	G3/4	-	-	-	-	-	-	-	-	-	-	-
LOE-1-D-MAXI	116	61	66	46	-	G1	-	M5	65	40	22	203	170	90	8	-	24
LOE-D-MAXI	-	-	-	-	-	6.8	-	30	-	-	-	-	-	-	-	-	11

Note: This product conforms to ISO1179-1 and ISO228-1.

R07 Series

Models	Thread Size	Max size	Pressure range	Temperature	Pressure gauge	Filter
R07	PT1/4	750L/min	0.15-0.9mpa	-50 ~ 55°C	Y40-10-1/8	40Uμm
F07	PT1/4	750L/min	0-10.2/kgf/cm ²	-50 ~ 55°C	-	40Uμm
L07	PT1/4	750L/min	0-10.2/kgf/cm ²	-50 ~ 55°C	-	40Uμm
B07	PT1/4	750L/min	0.15-0.9mpa	-50 ~ 55°C	Y40-10-1/8	40Uμm
PTH-07	PT1/4	750L/min	0.15-0.9mpa	-50 ~ 55°C	Y40-10-1/8	40Uμm



NAR-200

Price List

