

 **FEATURES**

- Size from 1/4" up to 1".
- Filter element size up to 5 micron.
- Working pressure up to 200 psi.
- Different configurations available.

 **APPLICATIONS**

- Industrial pneumatic circuits.
- Laboratories.
- Automotive industry.

 **OPERATING SPECIFICATIONS**

- The FRL's will reduce the possibility of damage to the pneumatic equipment.
- The FRL's consist of a three components unit. Components can be ordered separately.
- The filter cleans the compressed air of condensation and dirt particles.
- The regulator maintains steady operating pressure, despite fluctuations on the pneumatic line.
- The lubricator adds a precise quantity of oil to the filtered air. The oil mist maintains proportional to the air flow, and oil can be added during operation.



	MODELS	SPECIFICATIONS
Low pressure models	AF, AR, AL, AW, AC	Maximum inlet pressure up to 145 psi (maximum working pressure 120 psi)
High pressure models	OF, OR, OL, OFR, OU	Maximum inlet pressure up to 235 psi (maximum working pressure 200 psi)
Size	[AF, AR, AL, AW, AC, OF, OR, OFR and OU-MINI] 2000 - 02	1/4" NPT
	[AF, AR, AL, AW, AC] 3000 - 03	3/8" NPT
	[AF, AR, AL, AW, AC and OU-MIDI] 4000 - 04	1/2" NPT
	[AF, AR, AL, AW, AC] 4000 - 06	3/4" NPT
	[AF, AR, AL, AW, AC] 5000 - 10	1" NPT
Body	Low pressure models	Aluminum die casting
	High pressure models	Zinc die casting
Container material	All models	Polycarbonate
Ambient temperature	Low pressure models	41 - 140 Fahrenheit
	High pressure models	32 - 140 Fahrenheit
Filter element size	Low pressure models	25 Micron standard (5 and 50 micron available)
	High pressure models	40 Micron standard (5 micron available)
Standard nominal flow rate (Gallons per min.)	AC-2000-02	132.09
	AC-3000-03	528.34
	AC-4000-04	1056.69
	AC-4000-06	1188.77
	AC-5000-10	1320.86
	OU-MINI-NPT	369.84
	OU-MIDI-NPT	898.19

*** SPECIAL REQUEST**

Please contact factory for special dial artwork and ranges.

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✓ ORDERING INFORMATION

LOW PRESSURE SERIES	AF Air Filter AR Air Regulator	AL Air Lubricator AW Air Filter and Regulator	AC Three component unit (filter, regulator and lubricator)
HIGH PRESSURE SERIES	OF Air Filter OR Air Regulator	OL Air Lubricator OFR Air Filter and Regulator	OU Three component unit (filter, regulator and lubricator)
CONNECTION SIZE (LOW PRESSURE SERIES)	2000-02 1/4" NPT 3000-03 3/8" NPT 4000-04 1/2" NPT	4000-06 3/4" NPT 5000-10 1" NPT	CONNECTION SIZE (HIGH PRESSURE SERIES) MINI 1/4" NPT MIDI 1/2" NPT
FILTER ELEMENT SIZE (LOW PRESSURE MODELS)	25 Micron standard (5 and 50 micron available)		FILTER ELEMENT SIZE (HIGH PRESSURE MODELS) 40 Micron standard (5 micron available)
ACCESSORIES (LOW PRESSURE SERIES)	IBRA14 1/4" Bracket IBRA38 3/8" Bracket IBRA12 1/2" Bracket IBRA34 3/4" Bracket IBRA100 1" Bracket	02D (Self-draining for 1/4" only) 04D (Self-draining for 1/2" only) G1 160 psi pressure gauge	ACCESSORIES (HIGH PRESSURE SERIES) IBRA38MINI 3/8" Bracket IBRA34MIDI 3/4" Bracket G2 200 psi pressure gauge
EXAMPLE	<ul style="list-style-type: none"> Select series code AC Select size 4000-04 Select filter element size 25 Micron Accessories G1 <p style="text-align: right;">AC-4000-04-25-G1</p>		

✂ OUTLINE DIMENSIONS

LOW PRESSURE - FILTERS

AF-2000-02



1	1.57" (40 mm)
2	1.33" (34 mm)
3	2" (51 mm)
4	0.39" (10 mm)

AF-3000-03



1	2.04" (52 mm)
2	1.61" (41 mm)
3	2.87" (73 mm)
4	0.70" (18 mm)

AF-4000-04



1	2.75" (70 mm)
2	2.04" (52 mm)
3	3.81" (97 mm)
4	0.66" (17 mm)

AF-4000-06



1	2.95" (75 mm)
2	2.20" (56 mm)
3	3.77" (96 mm)
4	0.70" (18 mm)

AF-5000-10



1	3.50" (89 mm)
2	2.75" (70 mm)
3	2.36" (60 mm)
4	3.77" (96 mm)
5	0.66" (17 mm)

LOW PRESSURE - REGULATORS

AR-2000-02



- 1 | 1.10" (28 mm)
- 2 | 1.88" (48 mm)
- 3 | 1.61" (41 mm)
- 4 | 1.49" (38 mm)

AR-3000-03



- 1 | 1.45" (37 mm)
- 2 | 2.16" (55 mm)
- 3 | 2.55" (65 mm)
- 4 | 2" (51 mm)

AR-4000-04



- 1 | 1.81" (46 mm)
- 2 | 2.83" (72 mm)
- 3 | 2.87" (73 mm)
- 4 | 2.63" (67 mm)

AR-4000-06



- 1 | 1.77" (45 mm)
- 2 | 2.79" (71 mm)
- 3 | 3.03" (77 mm)
- 4 | 2.91" (74 mm)

AR-5000-10



- 1 | 1.81" (46 mm)
- 2 | 3.22" (82 mm)
- 3 | 3.54" (90 mm)
- 4 | 3.46" (88 mm)

LOW PRESSURE - LUBRICATORS

AL-2000-02



- 1 | 1.53" (39 mm)
- 2 | 1.69" (43 mm)
- 3 | 2.44" (62 mm)
- 4 | 0.82" (21 mm)

AL-3000-03



- 1 | 1.02" (26 mm)
- 2 | 1.57" (40 mm)
- 3 | 2.91" (74 mm)
- 4 | 2" (51 mm)

AL-4000-04



- 1 | 2.59" (66 mm)
- 2 | 0.90" (23 mm)
- 3 | 2" (51 mm)
- 4 | 3.85" (98 mm)

AL-4000-06



- 1 | 2.79" (71 mm)
- 2 | 0.74" (19 mm)
- 3 | 2.20" (56 mm)
- 4 | 3.85" (98 mm)

AL-5000-10



- 1 | 3.54" (90 mm)
- 2 | 5.66" (144 mm)
- 3 | 3.85" (98 mm)
- 4 | 2.12" (54 mm)

LOW PRESSURE - REGULATOR FILTER

AW-2000-02



- 1 | 1.10" (28 mm)
- 2 | 1.85" (47 mm)
- 3 | 1.88" (48 mm)
- 4 | 2.40" (61 mm)
- 5 | 1.57" (40 mm)

AW-3000-03



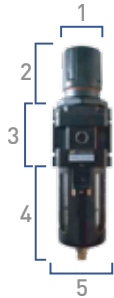
- 1 | 1.25" (32 mm)
- 2 | 2.20" (56 mm)
- 3 | 2.32" (59 mm)
- 4 | 3.54" (90 mm)
- 5 | 2.04" (52 mm)

AW-4000-04



- 1 | 1.77" (45 mm)
- 2 | 2.75" (70 mm)
- 3 | 2.71" (69 mm)
- 4 | 4.44" (113 mm)
- 5 | 2.83" (72 mm)

AW-4000-06



- 1 | 1.77" (45 mm)
- 2 | 2.79" (71 mm)
- 3 | 2.87" (73 mm)
- 4 | 4.40" (112 mm)
- 5 | 2.83" (72 mm)

AW-5000-10



- 1 | 1.77" (45 mm)
- 2 | 3.22" (82 mm)
- 3 | 5.43" (138 mm)
- 4 | 4.37" (111 mm)
- 5 | 2.08" (53 mm)

LOW PRESSURE - AIR PREPARATION UNITS

AC-2000-02



- 1 | 5.35" (136 mm)
- 2 | 4.76" (121 mm)

AC-3000-03



- 1 | 7.20" (183 mm)
- 2 | 6.18" (157 mm)

AC-4000-04



- 1 | 9.76" (248 mm)
- 2 | 7.20" (183 mm)

AC-4000-06



- 1 | 10.07" (256 mm)
- 2 | 7.63" (194 mm)

AC-5000-10



- 1 | 12.08" (307 mm)
- 2 | 10.82" (275 mm)

HIGH PRESSURE - FILTERS, REGULATORS AND LUBRICATORS

OL-MINI



- 1 | 2.51" (64 mm)
- 2 | 2.55" (65 mm)
- 3 | 4.09" (104 mm)
- 4 | 1.33" (34 mm)

OF-MINI



- 1 | 2.51" (64 mm)
- 2 | 1.57" (40 mm)
- 3 | 4.64" (118 mm)
- 4 | 1.29" (33 mm)

OR-MINI



- 1 | 1.10" (28 mm)
- 2 | 1.88" (48 mm)
- 3 | 1.77" (45 mm)
- 4 | 2.51" (64 mm)

OFR-MINI



- 1 | 1.14" (29 mm)
- 2 | 1.88" (48 mm)
- 3 | 1.53" (39 mm)
- 4 | 4.68" (119 mm)
- 5 | 2.51" (64 mm)

OFR-MIDI



- 1 | 1.88" (48 mm)
- 2 | 2.67" (68 mm)
- 3 | 2.16" (55 mm)
- 4 | 5.03" (128 mm)
- 5 | 3.34" (85 mm)

HIGH PRESSURE - FILTERS, REGULATORS AND AIR PREPARATION UNITS

OL-MIDI



- 1 | 3.34" (85 mm)
- 2 | 0.98" (25 mm)
- 3 | 2.16" (55 mm)
- 4 | 4.92" (125 mm)
- 5 | 1.77" (45 mm)

OF-MIDI



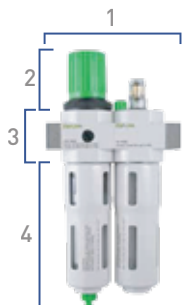
- 1 | 3.34" (85 mm)
- 2 | 2.16" (55 mm)
- 3 | 5.51" (140 mm)
- 4 | 1.85" (47 mm)

OR-MIDI



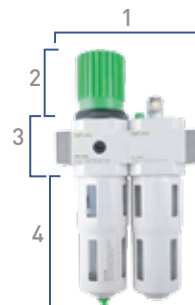
- 1 | 1.88" (48 mm)
- 2 | 2.67" (68 mm)
- 3 | 2.40" (61 mm)
- 4 | 3.34" (85 mm)

OU-MINI



- 1 | 4.13" (105 mm)
- 2 | 1.85" (47 mm)
- 3 | 1.57" (40 mm)
- 4 | 4.68" (119 mm)

OU-MIDI



- 1 | 5.55" (141 mm)
- 2 | 2.67" (68 mm)
- 3 | 2.16" (55 mm)
- 4 | 5.51" (140 mm)