

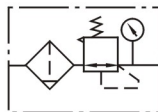
FILTER AND REGULATOR

AFR BFR SERIES

AirTAC



Symbol



Specification

Model	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
Fluid	Air				
Port size	1/8"	1/4"	1/4"	3/8"	1/2"
Filtering grade	40 μ				
Pressure range	0.5~8.5bar (0.05~0.85MPa)(7~121Psi)				
Max pressure	9.5bar(0.95MPa)(135Psi)				
Proof pressure	15.0bar (1.5 MPa)(213Psi)				
Temperature	5~60 $^{\circ}$ C				
Drain bowl capacity	15CC		60CC		
Weight	260g		400g		

*Note: PT, NPT, BSPP Thread are available.

Ordering code

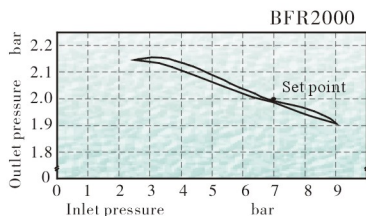
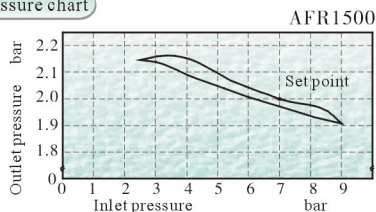
Model	Port size
AFR: Mini series filter-regulator unit	1500: 1/8" 2000: 1/4"
BFR: Medium series filter-regulator unit	2000: 1/4" 3000: 3/8" 4000: 1/2"

Drain type
Blank: Semi-Auto drain A : Auto drain* M : Manual drain

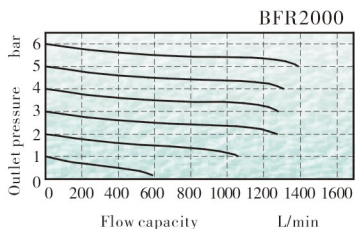
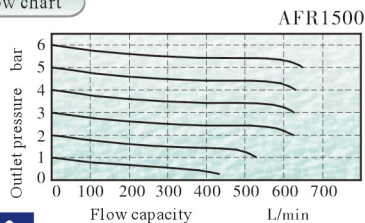
*Only BFR Series have this function.

Pressure and flow chart

Pressure chart



Flow chart



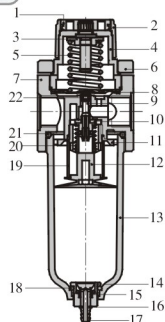
FILTER AND REGULATOR

AFR BFR SERIES

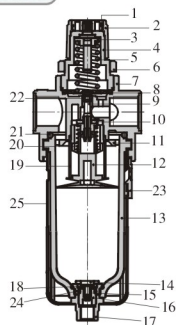
AIRTAC

Inner structure

AFR



BFR



NO.	Item	NO.	Item
1	Push button	14	Drain kit
2	Adjusting button	15	Return spring
3	Adjusting nut	16	E ring
4	Adjusting seat	17	Drain pillar
5	Adjusting spring	18	Drain O-ring
6	Fixed ring	19	Filter element
7	body	20	Return spring
8	Diaphragm	21	Drain bowl O-ring
9	Balance needle	22	Needle O-ring
10	Needle gasket	23	Bowl guard switch
11	Air guider	24	Nut
12	Umbrella baffle	25	Bowl guard
13	Drain bowl		

O-ring list

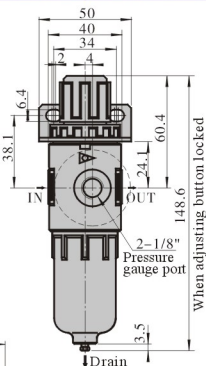
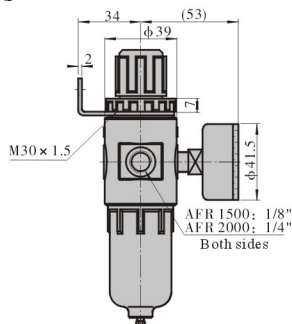
Item/Model	AFR Series	BFR Series
Needle O-ring	1.1 × 2.8	1.9 × 2.8
Drain bowl O-ring	2.4 × 29	3.5 × 45.7
Drain O-ring	1.5 × 8.5	3.53 × 13.87
Drain-pillar O-ring	1.5 × 6.5	2 × 9
Umbrella baffle O-ring	-	1.9 × 5.8

Material of major parts

Item/Model	AFR Series	BFR Series
Adjusting button		Plastic
Adjusting seat		Plastic
Regulator pillar		Bronze
Regulator spring		Stainless steel
Diaphragm		SUS304 with rubber covered
Filter-Regulator body		Aluminum alloy
Balance needle		Plastic
Element		Tin-copper
Bowl guard	-	Nylon
Drain bowl		PC

Dimensions

AFR



BFR

