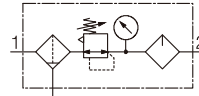
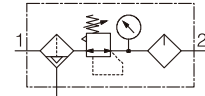




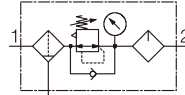
Symbol



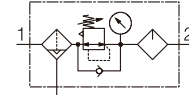
F2...-MICRO/MINI/MIDI
Manual rotary condensate drain,
with pressure gauge



Semi or fully automatic condensate drain,
with pressure gauge



F2...-MAXI
Manual rotary condensate drain,
with pressure gauge



Fully automatic condensate drain,
with pressure gauge

Ordering code

F		2				5M		7		MINI		H		E	
Series		Function code		Port size		Grade of filtration		Working pressure		Size		Condensate drain		Shell material	
F	F Series	FR.L. combination		1/8"		Blank	40µm	Blank	12bar	MICRO		Blank	Turned manually	Blank	Zinc
				1/4"		5M	5µm	7	7bar	MINI		H	Semi-automatic	E	Alu.
				3/8"						MIDI		A	Fully automatic		
				1/2"						MAXI					
				3/4"											
				1"											

Installation and use

The F2 consisted of F1 and L, each unit can be ordered separately. The F with water separator, Cleans the compressed air of fluid oil, condensation and dirt particles. For special applicaton, the standard 40µm filter element may easily be replaced by a 5µm filter element. The R maintain inputting operating pressure constantly despite fluctuation in line pressure and the amount of air consumed. The proportional lubricator adds a regulated quantity of oil to the filtered air. The oil-mist mixed proportionlly to the flow and oil can be added during operation. The oil drip rate is controlled by the adjustable knob. Normally, 1 to 12 drops/1000L of the air is sufficient.

Specification

Size		MICRO					MINI			MIDI				MAXI		
Pneumatic connection		M5	M7	1/8"	QS4	QS6	1/8"	1/4"	3/8"	1/4"	3/8"	1/2"	3/4"	1/2"	3/4"	1"
Operating medium		Compressed air														
Design		Filter regulator, with/without pressure gauge														
		Proportional standard mist lubricator														
Type of mounting		Via accessories														
		In-line installation														
Assembly position		Vertical ±5°														
Regulator lock		Rotary knob with lock														
		-					Rotary knob with lock									
Grade of filtration (µm)		5					5 (or) 40							0.4		
Max. hysteresis (bar)		0.3					0.2									
Pressure regulation range (bar)		0.5...7					0.5...7									
							0.5...12									
Pressure indication		Via pressure gauge														
		M5 Prepared					1/8" Prepared			1/4" Prepared				1/4" Prepared		
Max. condensate volume (cm³)		3					22			43				80		
Input pressure (bar)																
Condensate drain	Turned manually	1...10					2...16									
	Semi-automatic	1...10					-									
	Fully automatic	-					2...12									

FRL

AC/BC

AFC/BFC

AFR/BFR

AF/BF

AR/BR

AL/BL

SR

SDR

AC

AW

AF

AR

AL

F3

F2

F1

F

R

L

USFRL

USFR/L

USFR

USF

USR

USL

QSL

QTY

QIU

QTYH

QSLH

QFRH

AFF

AF(Big)

AL(Big)

AR(Big)

AD402

AH402

AD-5

IR

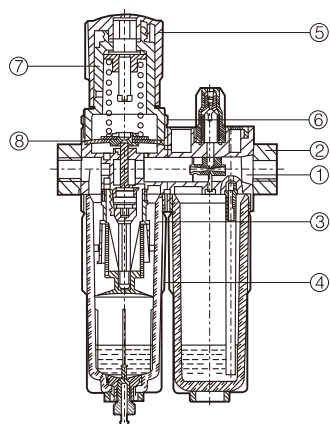
ITV

ACR

F804

PG

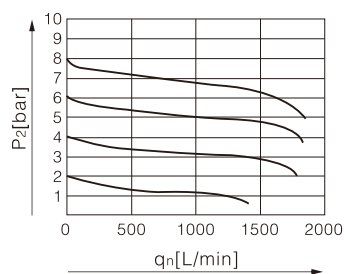
Inner structure



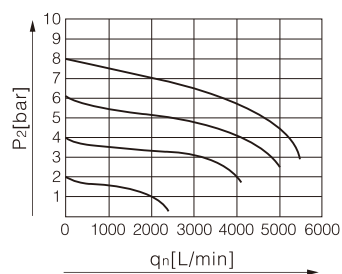
No.	Item	Material
1	Casting	Die-casting zinc alloy
2	Connecting plate	Die-casting aluminum alloy
3	Filter bowl	Polycarbonate
4	Protecting cover	Aluminum
5	Adjustable knob	POM
6	Knurled nut	Aluminum
7	Valve cover	POM
8	Diaphragm	NBR
	Seal	NBR

Standard flow rate chart

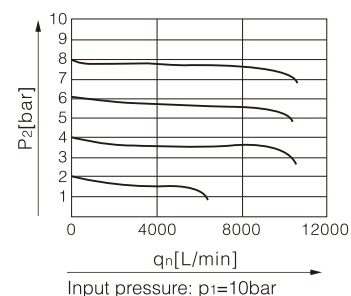
F2-1/4-MINI



F2-1/2-MIDI

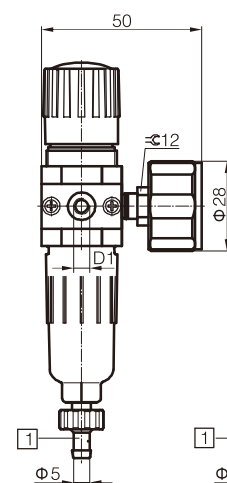
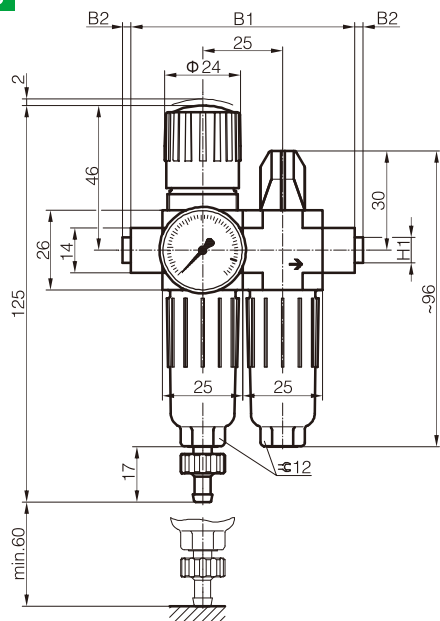


F2-1-MAXI

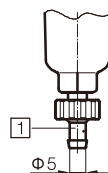


Dimensions

MICRO



Turned manually
condensate drain



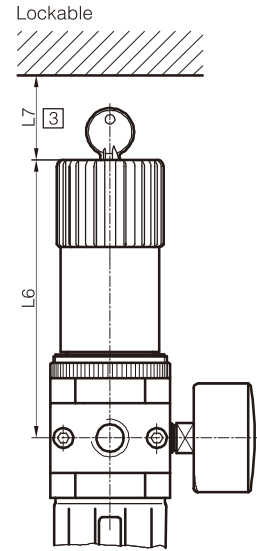
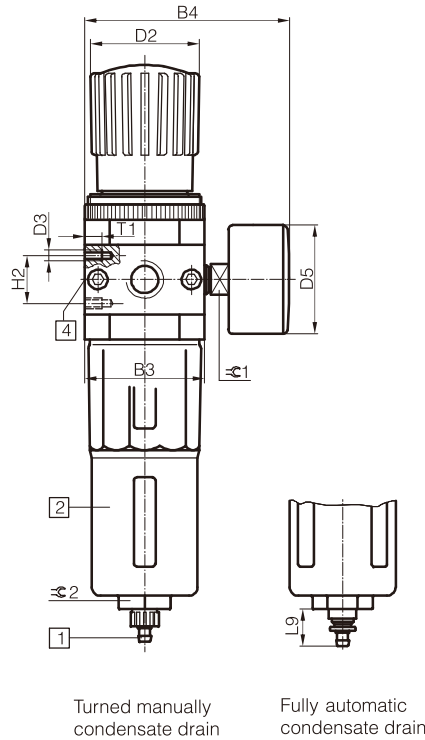
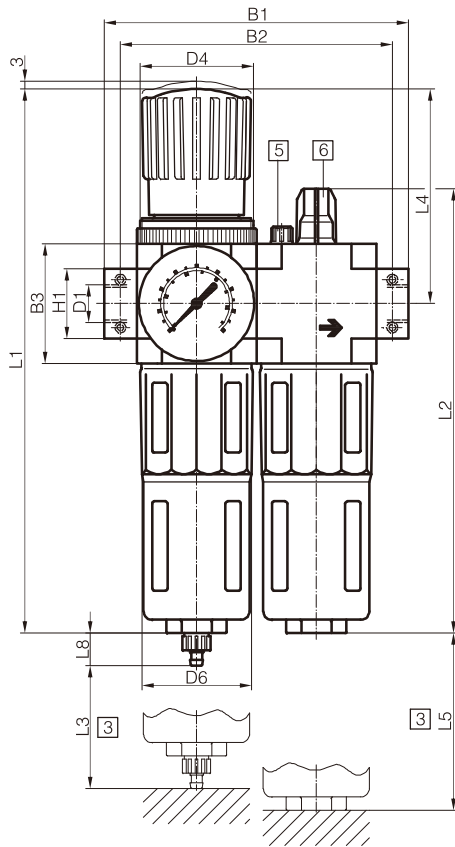
Semi-automatic
condensate drain

1 Barbed fitting for plastic tubing type PCN-4

➔ Flow direction

Model	B1	B2	D1	H1
F2-M5-D-7-5M-MICRO(H)	50	-	M5	-
F2-M7-D-7-5M-MICRO(H)B			M7	
F2-1/8-D-7-5M-MICRO(H)	70	~2.5	1/8"	~8
F2-QS4-D-7-5M-MICRO(H)			QS4	
F2-QS6-D-7-5M-MICRO(H)			QS6	

MINI/MIDI/MAXI



- [1] Barbed fitting for plastic tubing type PCN-4 [2] Metal bowl guard [3] Installation dimensions → Flow direction
 [4] Second pressure gauge connection [5] Exhausting screw for oil reservoir [6] Oil adjusting screw

Model	B1	B2	B3	B4	D1	D2Φ	D3	D4	D5Φ	D6Φ	H1	H2	L1	L2	L3	L4	L5	L6	L7	L8	L9	T1	≲1	≲2	
MINI																									
F2-1/8-D-MINI	104	92	40	76	1/8"	31	M4	M36×1.5	41	38	20	11	193	169	60	69	100	98	60	15	19	7	14	22	
F2-1/4-D-MINI					1/4"																				
F2-3/8-D-MINI	110				3/8"																				
MIDI																									
F2-1/4-D-MIDI	140	125	55	95	1/4"	50	M5	M52×1.5	50	52	32	22	250	204	80	99	120	130	60	15	19	8	14	24	
F2-3/8-D-MIDI					3/8"																				
F2-1/2-D-MIDI					1/2"																				
F2-3/4-D-MIDI					3/4"																				
MAXI																									
F2-1/2-D-MAXL	162	146	66	107	1/2"	31	M5	M36×1.5	50	65	32	22	252	228	90	82	150	111	60	15	19	8	14	24	
F2-1/2-D-DI-MAXL								49					M52×1.5			275		105							135
F2-3/4-D-MAXL					3/4"	31		M36×1.5	252				82			111									
F2-3/4-D-DI-MAXL						49		M52×1.5	275				105			135									
F2-1-D-MAXL	182	157			1"	31	M36×1.5		40	252	82	111													
F2-1-D-DI-MAXL						49	M52×1.5	275		105	135														

Note: This product conforms with ISO 1179-1 standard and the ISO 228-1 standard.

FRL

AC/BC
 AFC/BFC
 AFR/BFR
 AF/BF
 AR/BR
 AL/BL
 SR
 SDR
 AC
 AW
 AF
 AR
 AL
 F3

F2

F1
 F
 R
 L
 USFRL
 USFR/L
 USFR
 USF
 USR
 USL
 QSL
 QTY
 QIU
 QTYH
 QSLH
 QFRH
 AFF
 AF(Big)
 AL(Big)
 AR(Big)
 AD402
 AH402
 AD-5
 IR
 ITV
 ACR
 F804
 PG