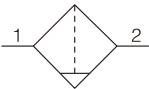


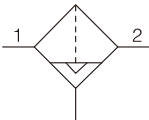


Symbol

Maunal rotary condensate drain



Semi or fully automatic condensate drain



Installation and use

The F with water separator cleans the compressed air of fluid oil, condensation and dirt particles, for special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.

Ordering code

F			5M		MINI		H		E	
Series		Port size	Grade of filtration		Size		Condensate drain		Shell material	
F	Filter	1/8"	Blank	40µm	MICRO		Blank	Turned manually	Blank	Zinc
		1/4"	5M	5µm	MINI		H	Semi-automatic	E	Alu.
		3/8"			MIDI		A	Fully automatic		
		1/2"			MAXI					
		3/4"								
		1"								

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		Sintered filter with centrifugal separation														
Type of mounting		Via accessories														
		In-line installation														
Assembly position		Vertical ±5°														
Grade of filtration (µm)		5					5 (or) 40									
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									

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

Standard nominal flow rate (qn[L/min])

Connection	Female thread		Connecting plate		
	M5	M7	1/8"	QS4	QS6
Micro					
F	170	280	290	170	280

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

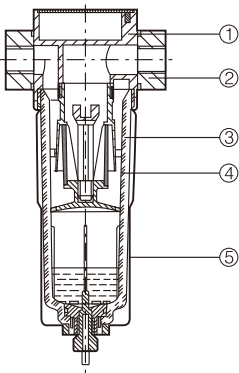
ITV

ACR

F804

PG

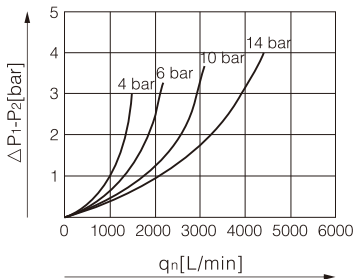
Inner structure



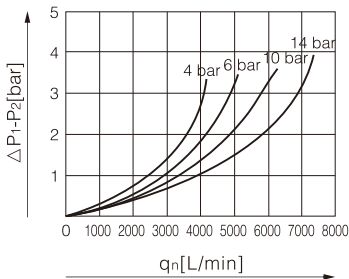
No.	Item	Material
1	Casting	Die-casting zinc
2	Connecting plate	Die-casting zinc/aluminum
3	Filter bowl	Polycarbonate
4	Filter element	PE
5	Metal cover	Aluminum
	Seal	NBR

Standard flow rate chart

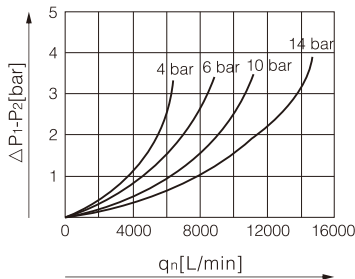
F-1/4-MINI



F-1/2-MIDI

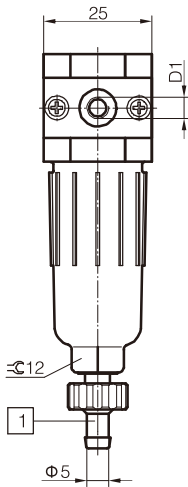
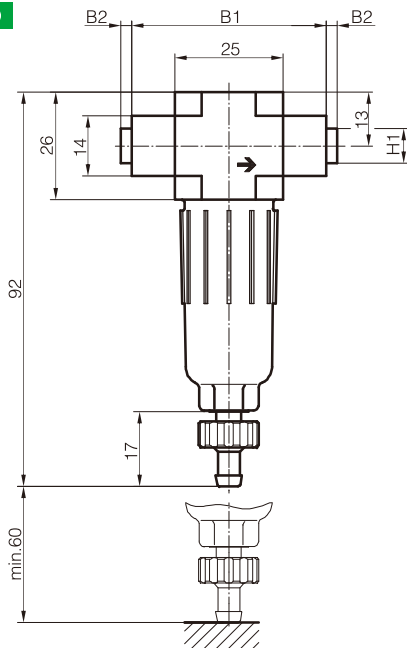


F-1-MAXI

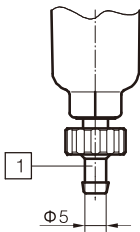


Dimensions

MICRO



Turned manually
condensate drain



Semi-automatic
condensate drain

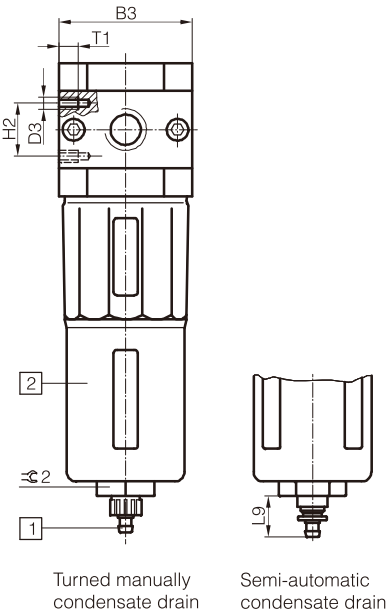
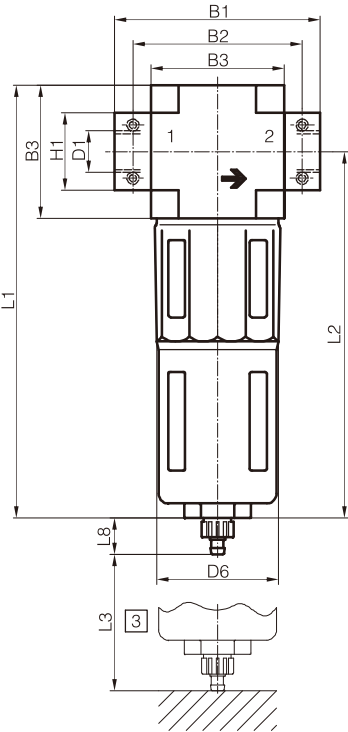
1 Barbed fitting for plastic tubing type PCN-4

➔ Flow direction

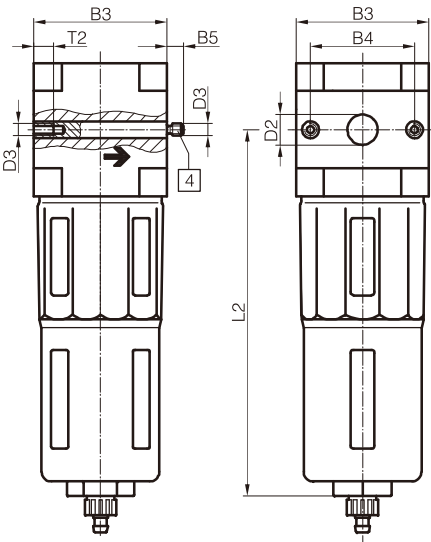
Model	B1	B2	D1	H1
F-M5-D-5M-MICRO(H)	25	-	M5	-
F-M7-D-5M-MICRO(H)B			M7	
F-1/8-D-5M-MICRO(H)	45	~2.5	1/8"	~8
F-QS4-D-5M-MICRO(H)			QS4	
F-QS6-D-5M-MICRO(H)			QS6	

MINI/MIDI/MAXI

With threaded connectin plates



Without threaded connecting plates



- 1 Barbed fitting for plastic tubing type PCN-4
2 Metal bowl guard
3 Installation dimensions
4 Threaded pin(exchangeable)

➔ Flow direction

Model	B1	B2	B3	B4	B5	D1	D2Φ	D3	D6Φ	H1	H2	L1	L2	L3	L8	L9	T1	≈1	≈2
MINI																			
F-1/8-D-MINI	64	52	40	30	-	1/8"	-	M4	38	20	11	144	124	60	15	19	7	-	22
F-1/4-D-MINI	70					1/4"													
F-3/8-D-MINI						3/8"													
F-D-MINI	-	-			5.8	-	11			-	-						-	10	
MIDI																			
F-1/4-D-MIDI	85	70	55	43	-	1/4"	-	M5	52	32	22	179	151	80	15	19	8	-	24
F-3/8-D-MIDI						3/8"													
F-1/2-D-MIDI						1/2"													
F-3/4-D-MIDI						3/4"													
F-D-MIDI	-	-			6.8	-	24			-	-						-	11	
MAXI																			
F-1/2-D-MAXI	96	80	66	46	-	1/2"	-	M5	65	32	22	203	170	90	15	19	8	-	24
F-3/4-D-MAXI						3/4"													
F-1-D-MAXI	116	61				1"				40									
F-D-MAXI	-	-			6.8	-	30			-	-						-	11	

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