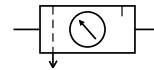


**FILTER, REGULATOR  
 FILTER/REGULATOR AND LUBRICATOR  
 Modulair 112 - G 1/4 to G 1/2  
 METAL BOWL (with visualization)  
 STAINLESS STEEL FASTENERS**



**PRESENTATION**

- Suitable to withstand aggressive environmental conditions and/or frequent cleaning cycles with oxidising agents.
- Resistance to high temperatures (+50°C)
- Resistance to impact, UV light and solvents
- Working pressures up to 16 bar (F and F/R)
- Bowl always locked in place during operation

**SPECIFICATIONS**

FLUID : Compressed air or neutral gas  
 PORTS : G1/4 to G1/2  
 MAX. INLET PRESSURE F, FR : 16 bar at 50° C  
 L : 12 bar at 23°C / 10 bar at 50° C  
 AMBIENT TEMPERATURE : 0°C to + 50°C  
 MAX. FLOW (Qv at 6,3 bar) : see table

**SPECIFICATIONS INDIVIDUELLES ET CONSTRUCTION**

**■ FILTER**

Filtering capacity: 25 µm and 5 µm (10 and 50 µm on request)  
 Filtering element of polyethylene (PE)  
 Painted zamak body  
 Painted aluminium bowl  
 Max. condensate level sight polyamide  
 Condensate drain: semi-automatic (operating pressure: 1.2 to 10/16 bar)  
 or pipable automatic (operating pressure: 2 to 10 bar) or manual drain as option.

**■ FILTRE/REGULATEUR MONOBLOC**

Filtering capacity: 25 µm and 5 µm (10 and 50 µm on request)  
 Painted zamak body  
 Painted aluminium bowl  
 Max. condensate level sight polyamide  
 Semi-automatic drain (operating pressure: 1.2 to 16 bar)  
 or automatic (operating pressure: 2 to 10 bar max.) or manual  
 Regulating device with a **rolling** diaphragm (very low hysteresis: 0,2 bar)  
 Regulator self-relieving  
 Controlled pressure: 0,5 to 10 bar (other adjustment range, in option)

**■ LUBRIFICATEUR**

Painted zamak body  
 Painted aluminium bowl  
 Min. oil level sight polyamide  
 «Pull-turn-push» locking oil flow adjustment knob  
 Lubrication: selective oil fog  
 Lubricator oil refilling **pressurised/unpressurised**

**INSTALLATION**

Systems must be installed with the bowls in vertical position  
 Air flow direction indicated by arrow.  
 Adjust oil flow. Adjustment sight

**MAINTENANCE**

Drain filter if necessary. Recommended type of oil: Non-detergent and without aggressive additives, viscosity **VG32** (ISO 3448)

**CHOICE OF EQUIPMENT**

**■ COMBINED FILTER/REGULATOR + LUBRICATOR SYSTEMS** (Consisting of two components delivered installed and assembled)

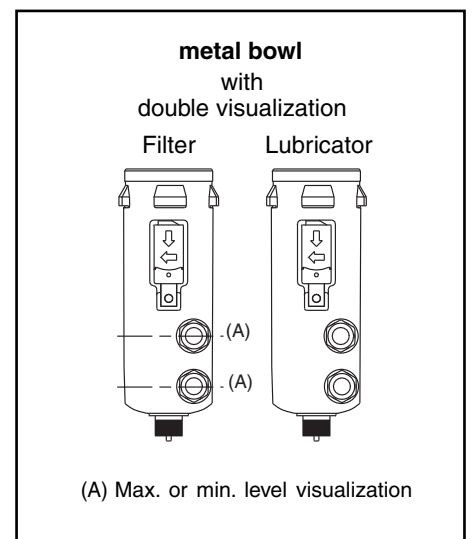
MODULAIR type	Port size	Bowl capacity (cm³)	Filtering capacity (µm)	Controlled pressure (3) (bar)	flow (ISO 6359) at upstream pressure = 10 bar at 6.3 bar pressure setpoint and ΔP of 1 bar / setpoint				Ø mano	code system semi-automatic drain	
					min. (1)		max.			with 0-12 bar gauge	without gauge
					(l/min)	(dm³/s)	(l/min)	(dm³/s)			
<b>Metal bowl with visualization - 25 µm filtration - adjustment 0,5 - 10 bar</b>											
112	G1/4	114	25	0,5-10	20	0,3	3200	53	50	34203980	34203979
	G3/8	114	25	0,5-10	20	0,3	5200	87	50	34203982	34203981
	G1/2	114	25	0,5-10	20	0,3	5600	93	50	34203984	34203983
<b>Metal bowl with visualization - 25 µm filtration - adjustment 0,2 - 3 bar</b>											
112	G1/4	114	25	0,2-3	20	0,3	3200	53	50	34203986	34203985
	G3/8	114	25	0,2-3	20	0,3	5200	87	50	34203988	34203987
	G1/2	114	25	0,2-3	20	0,3	5600	93	50	34203990	34203989
<b>Metal bowl with visualization - 5 µm filtration - adjustment 0,5 - 10 bar (2)</b>											
112	G1/4	114	5	0,5-10	20	0,3	3200	53	50	34203992	34203991
	G3/8	114	5	0,5-10	20	0,3	5200	87	50	34203994	34203993
	G1/2	114	5	0,5-10	20	0,3	5600	93	50	34203996	34203995

(1) Minimum for lubricator startup  
 (2) With a 5 µm filtering element flow is reduced by approx. 15 %  
 (3) Other adjustment ranges (0.2 - 3 bar or 0,5 - 12 bar) on request (see options)

**ACCESSORIES:** see page 16

**OPTIONS:** consult us

**SEPARATE COMPONENTS:** see following page



### CHOICE OF EQUIPMENT - SEPARATE COMPONENTS

#### ■ FILTER

MODULAIR type	port size	bowl capacity		maximum flow (at 10 bar / ΔP 1,5 bar)		code filter	
		total (cm <sup>3</sup> )	useful (cm <sup>3</sup> )	l/min (ANR)	dm <sup>3</sup> /s (ANR)	semi-automatic drain 25 μm	5 μm (2)

#### Metal bowl with visualization

112	G1/4	114	40	2600	43,3	34203940	34203943
	G3/8	114	40	3000	50	34203941	34203944
	G1/2	114	40	3800	63,3	34203942	34203945

#### ■ REGULATOR

port size	MODULAIR type	maximum inlet pressure (bar)	controlled pressure (bar)	flow (ISO 6953) at upstream pressure = 10 bar at 6.3 bar pressure setpoint and ΔP of 1 bar / setpoint		code regulator		
				l/min (ANR)	dm <sup>3</sup> /s (ANR)	Ø gauge	with 0-12 bar gauge	without gauge

#### Adjustement range : STANDARD

G1/4	112	16	0,5-10	3900	65	50	34203947	34203946
G3/8	112	16	0,5-10	5500	92	50	34203949	34203948
G1/2	112	16	0,5-10	7000	117	50	34203951	34203950

#### Adjustement range : LOW (0,2 - 3 bar)

#### (0-4 bar pressure gauge)

G1/4	112	16	0,2-3	3900	65	50	34203953	34203952
G3/8	112	16	0,2-3	5500	92	50	34203955	34203954
G1/2	112	16	0,2-3	7000	117	50	34203957	34203956

#### ■ COMBINED FILTER/REGULATOR

MODULAIR type	port size	bowl capacity (cm <sup>3</sup> )	controlled pressure (3) (bar)	flow at upstream pressure = 10 bar at 6.3 bar pressure setpoint and ΔP of 1 bar / setpoint		code filter/regulator semi-automatic drain		
				l/min (ANR)	dm <sup>3</sup> /s (ANR)	Ø mano	with 0-12 bar gauge	without gauge

#### Metal bowl with visualization - 25 μm filtration - adjustment 0,5 - 10 bar

112	G1/4	114	0,5-10	3200	53,3	50	34203962	34203961
	G3/8	114	0,5-10	5200	86,6	50	34203964	34203963
	G1/2	114	0,5-10	5600	93,3	50	34203966	34203965

#### Metal bowl with visualization - 25 μm filtration - adjustment 0,2 - 3 bar

112	G1/4	114	0,2-3	3200	53,3	50	34203968	34203967
	G3/8	114	0,2-3	5200	86,6	50	34203970	34203969
	G1/2	114	0,2-3	5600	93,3	50	34203972	34203971

#### Metal bowl with visualization - 5 μm filtration - adjustment 0,5 - 10 bar

112	G1/4	114	0,5-10	3200	53,3	50	34203974	34203973
	G3/8	114	0,5-10	5200	86,6	50	34203976	34203975
	G1/2	114	0,5-10	5600	93,3	50	34203978	34203977

#### ■ LUBRICATOR

MODULAIR type	port size	bowl capacity (cm <sup>3</sup> )	max. oil capacity (cm <sup>3</sup> )	flow at 6,3 bar				code	
				min. (1)		max.		lubricator with metal bowl with visualization	
				l/min (ANR)	dm <sup>3</sup> /s (ANR)	l/min (ANR)	dm <sup>3</sup> /s (ANR)		
112	G1/4	114	73	20	0,3	3900	65	34203958	
	G3/8	114	73	20	0,3	> 6500	> 108	34203959	
	G1/2	114	73	20	0,3	> 6500	> 108	34203960	

(1) Minimum for lubricator startup

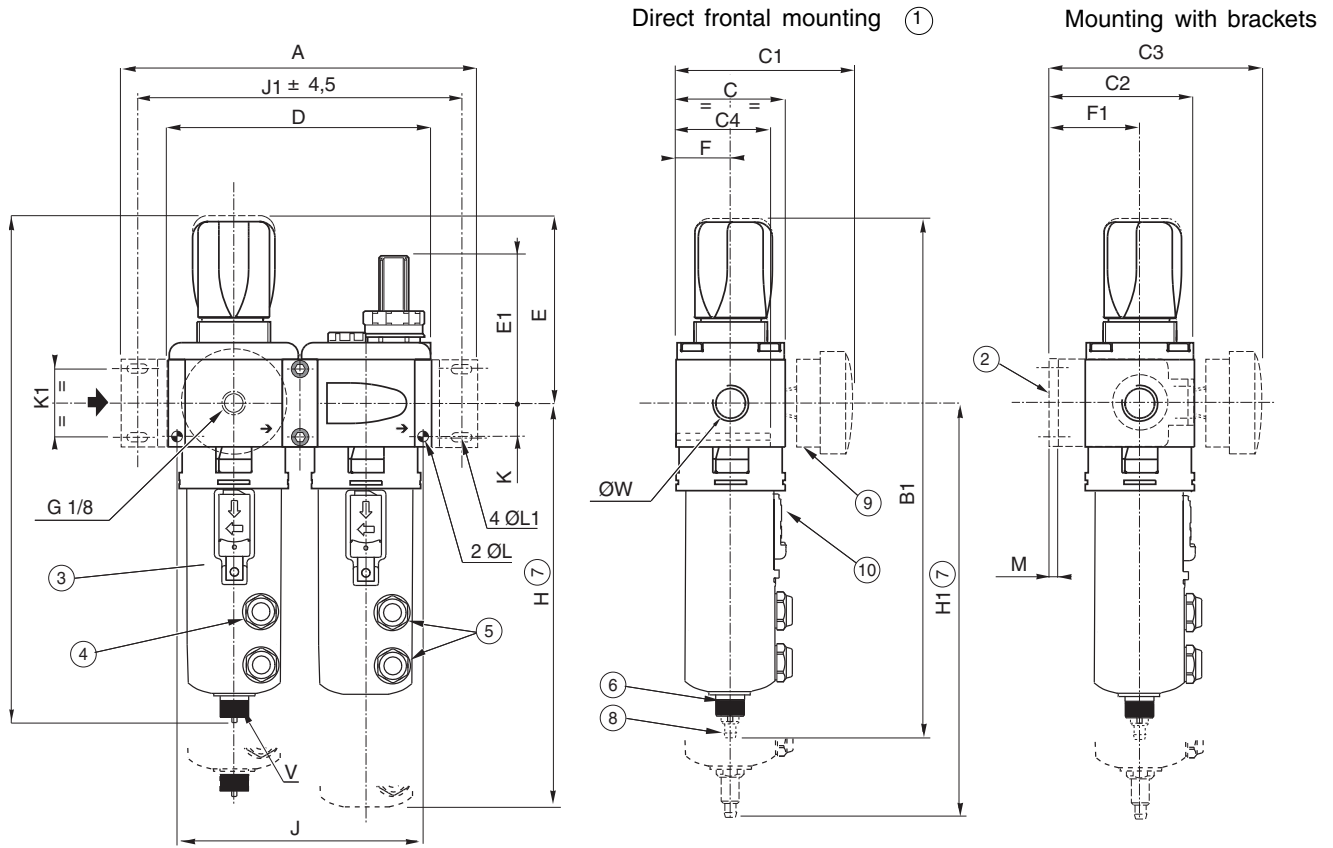
(2) With a 5 μm filtering element, max. flow is reduced by approx. 15%

(3) Others adjustment range 0.2 - 3 bar or 0,5 - 12 bar on request (see options)

**ACCESSORIES:** see page 16

**OPTIONS:** consult us

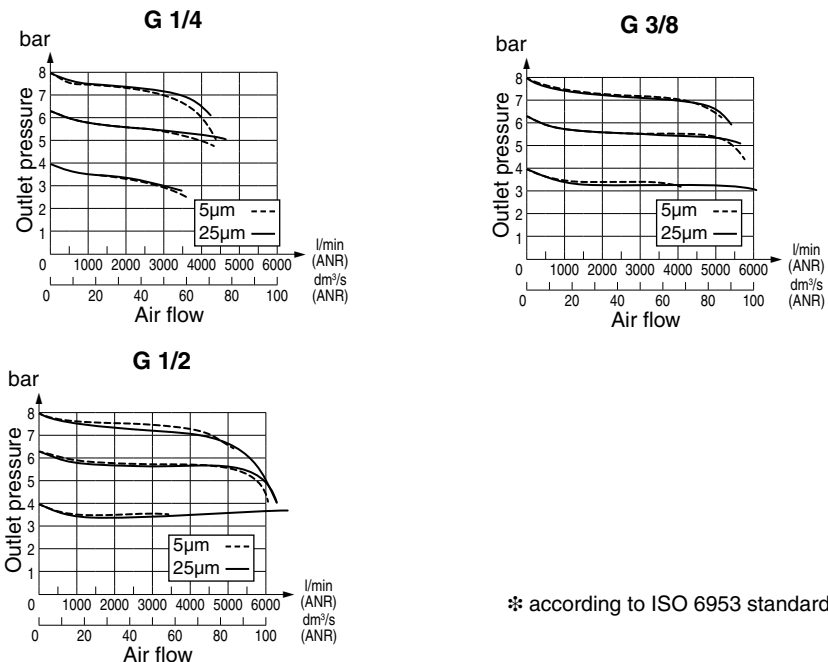
### DIMENSIONS AND WEIGHTS COMBINED FILTER/REGULATOR + LUBRICATOR



range	Modulair 112
<b>Ø W</b>	G1/4 G3/8 G1/2
bowl (cl)	12
A	178
B	248,5
B1	259,5
C	55
C1	96,5
C2	73,5
C3	105
C4	47,5
D	132
D1	66
E	94,5
E1	71
F	27,5
F1	46
H	219
H1	230
J	123
J1	162
K	17
K1	33,5
ØL	5,5
ØL1	5,5
M	4
ØT	G3/8
V	G1/8
Weight	1,570 <sup>(1)</sup> 1,650 <sup>(2)</sup>

- ① Direct frontal mounting : 2 holes ØL and depth C4
- ② Mounting with two side brackets (accessory)
- ③ Metal bowl
- ④ Condensate level window
- ⑤ Oil min./max. level window
- ⑥ G 1/8 connectable semi-automatic drain
- ⑦ Clearance necessary for bowl removal
- ⑧ automatic drain with fitting for connection of 6 mm ID hose
- ⑨ 50 mm dia. pressure gauge
- ⑩ Bowl unlocking button

### PRESSURE LOSS VERSUS AIR FLOW CURVES \*

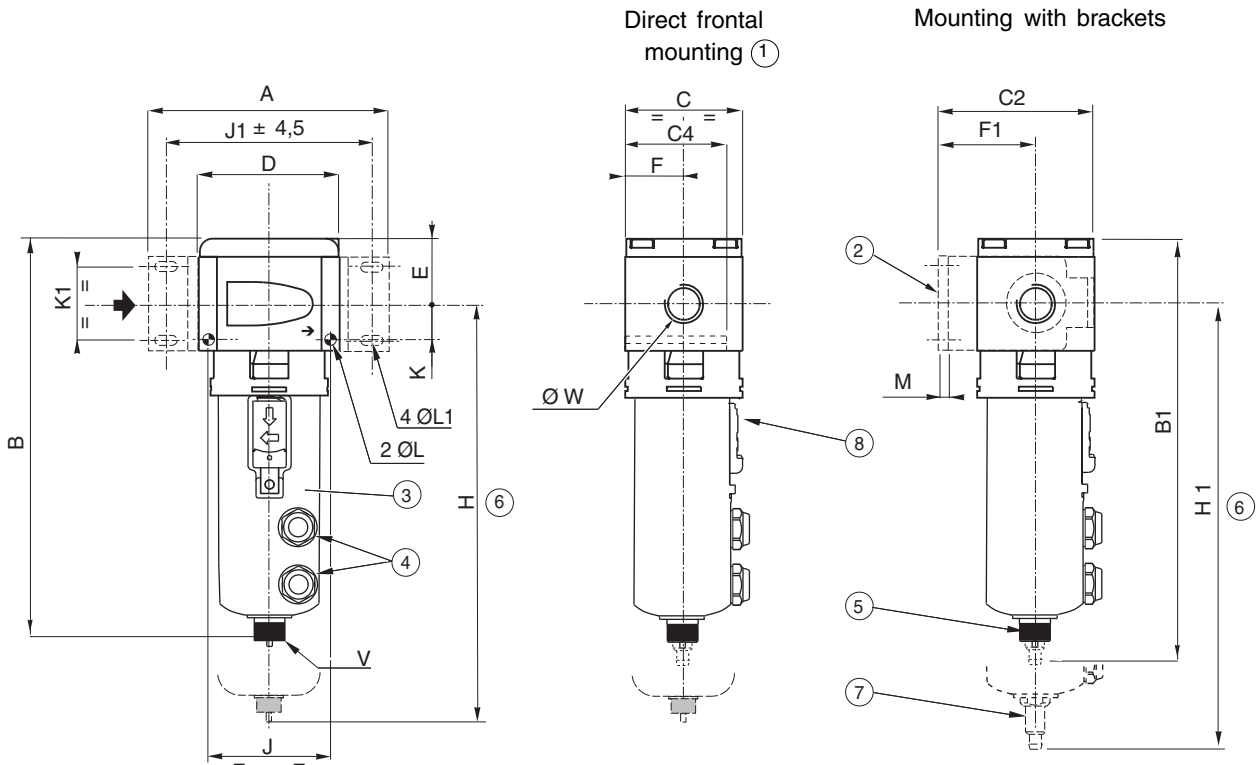


\* according to ISO 6953 standards

(1) Weight without pressure gauge  
(2) Weight with automatic drain



## DIMENSIONS AND WEIGHTS FILTER

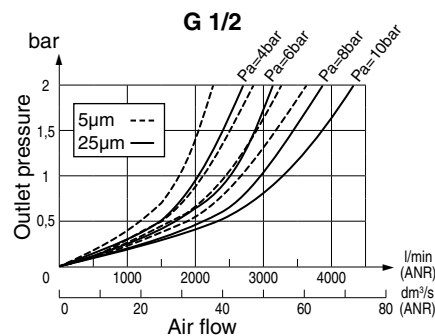
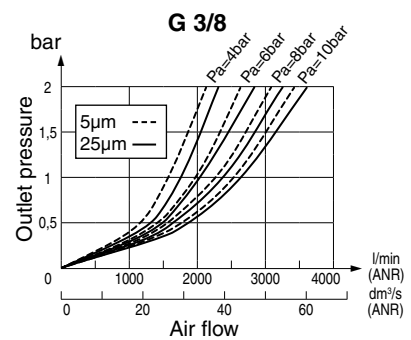
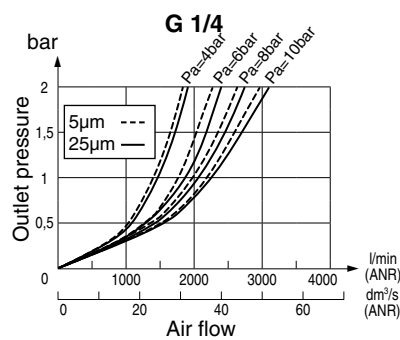


range	Modulair 112
Ø W	G1/4 G3/8 G1/2
bowl (cl)	12
A	112
B	187
B1	198
C	55
C2	73,5
C4	47,5
D	66
E	30,5
F	27,5
F1	46
H	221,5
H1	232,5
J	57
J1	96
K	17
K1	33,5
ØL	5,5
ØL1	5,5
M	4
V	G1/8
Weight (kg)	0,700 0,780 <sup>(1)</sup>

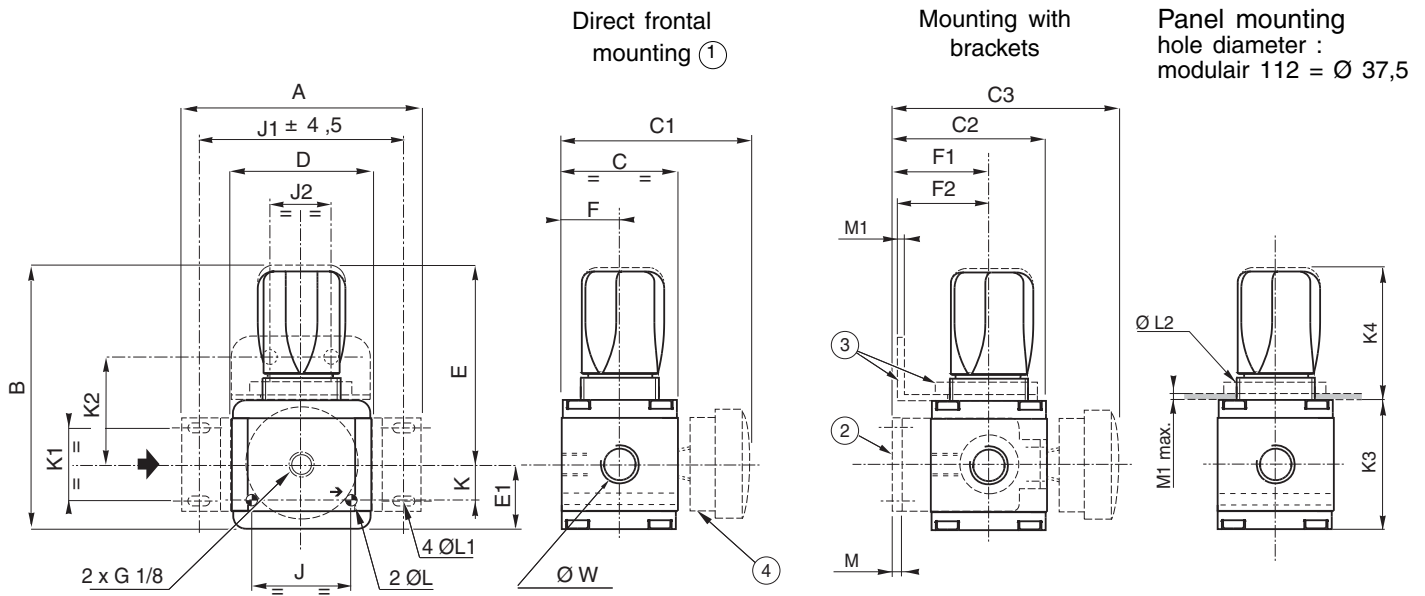
(1) weight with automatic drain

- ① Direct frontal mounting : 2 holes ØL and depth C4
- ② Mounting with 2 side brackets (accessory)
- ③ Metal bowl
- ④ Condensate level window
- ⑤ G 1/8 connectable semi-automatic drain
- ⑥ Clearance necessary for removing bowl
- ⑦ Automatic drain with fitting for connection of 6 mm ID hose
- ⑧ Bowl unlocking button

### PRESSURE LOSS VERSUS AIR FLOW CURVES



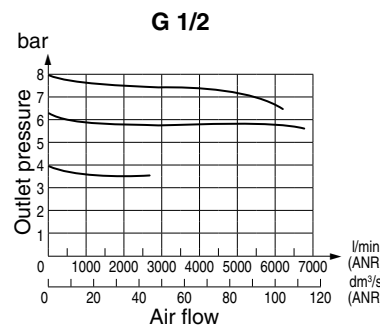
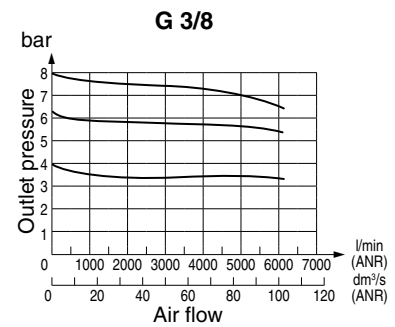
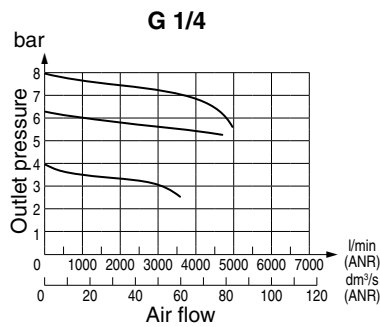
## DIMENSIONS AND WEIGHTS REGULATOR



range	Modulair 112
Ø W	G1/4 G3/8 G1/2
A	112
B	125
C	55
C1	96,5
C2	73,5
C3	114,5
D	66
E	94,5
E1	30,5
F	27,5
F1	46
F2	42
J	45
J1	96
J2	29
K	17
K1	33,5
K2	42,5
K3	61
K4	64
ØL	5,5
ØL1	5,5
ØL2	M37x 2
M	4
M1	2
Weight (kg)	0,550 <sup>(1)</sup>

- ① Direct frontal mounting : 2 holes ØL and depth C
- ② Mounting with 2 side brackets (accessory)
- ③ Mounting by upper bracket and mounting ring (accessories)
- ④ 50 mm dia. pressure gauge

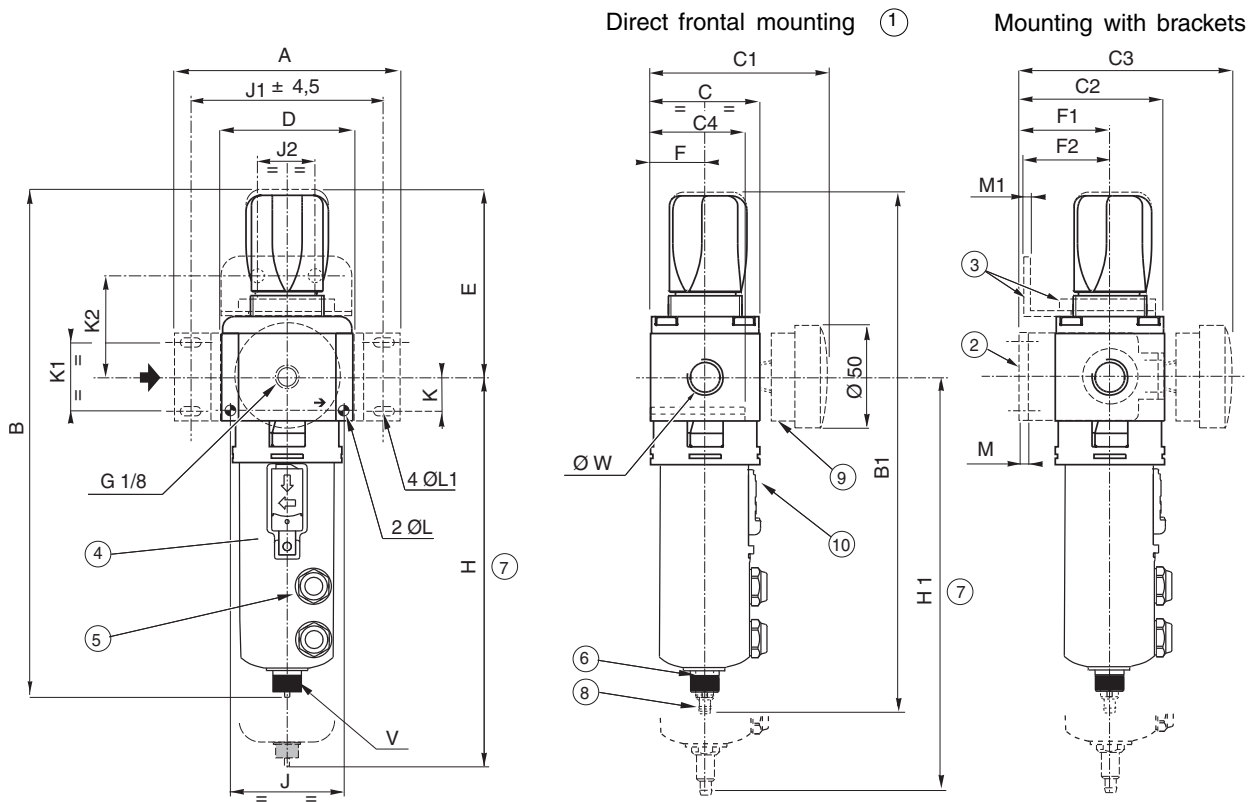
### PRESSURE LOSS VERSUS AIR FLOW CURVES \*



\* according to ISO 6953 standards

(1) Weight without pressure gauge

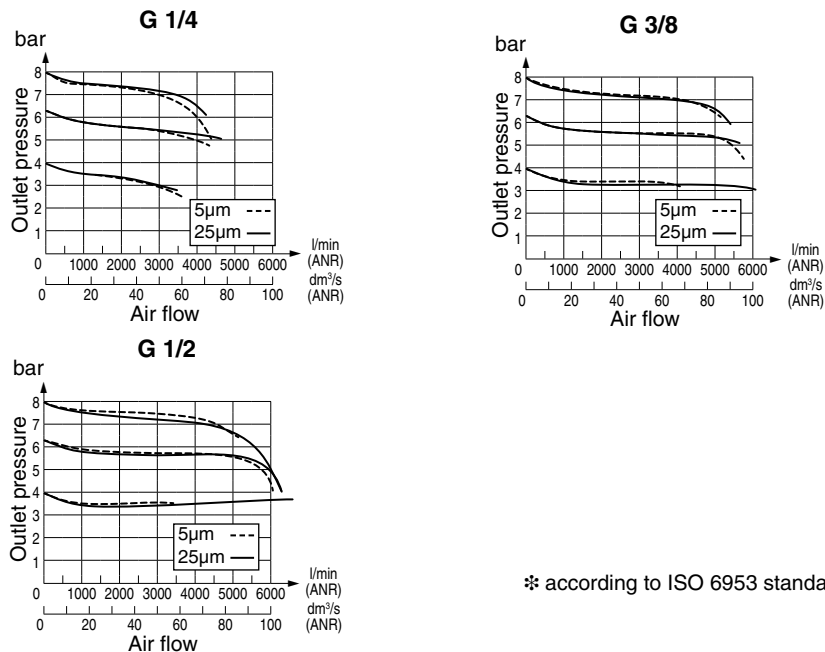
### DIMENSIONS AND WEIGHTS FILTER/REGULATOR



range	Modulair 112
$\varnothing W$	G1/4 G3/8 G1/2
Bowl (cl)	12
A	112
B	248,5
B1	259,5
C	55
C1	96,5
C2	73,5
C3	114,5
C4	47,5
D	66
E	94,5
F	27,5
F1	46
F2	42
H	219
H1	230
J	57
J1	96
J2	29
K	17
K1	33,5
K2	42,5
$\varnothing L$	5,5
$\varnothing L1$	5,5
M	4
M1	2
V	G1/8
Weight	0,830 <sup>(1)</sup>
(kg)	0,910 <sup>(2)</sup>

- ① Direct frontal mounting : 2 holes  $\varnothing L$  and depth C4
- ② Mounting with 2 side brackets (accessory)
- ③ Mounting with top bracket and mounting ring (accessory)
- ④ Metal bowl
- ⑤ Condensate level window
- ⑥ G 1/8 connectable semi-automatic drain
- ⑦ Clearance necessary for bowl removal
- ⑧ Automatic drain with fitting for connection of 6 mm ID hose
- ⑨ 50 mm dia. pressure gauge
- ⑩ Bowl unlocking button

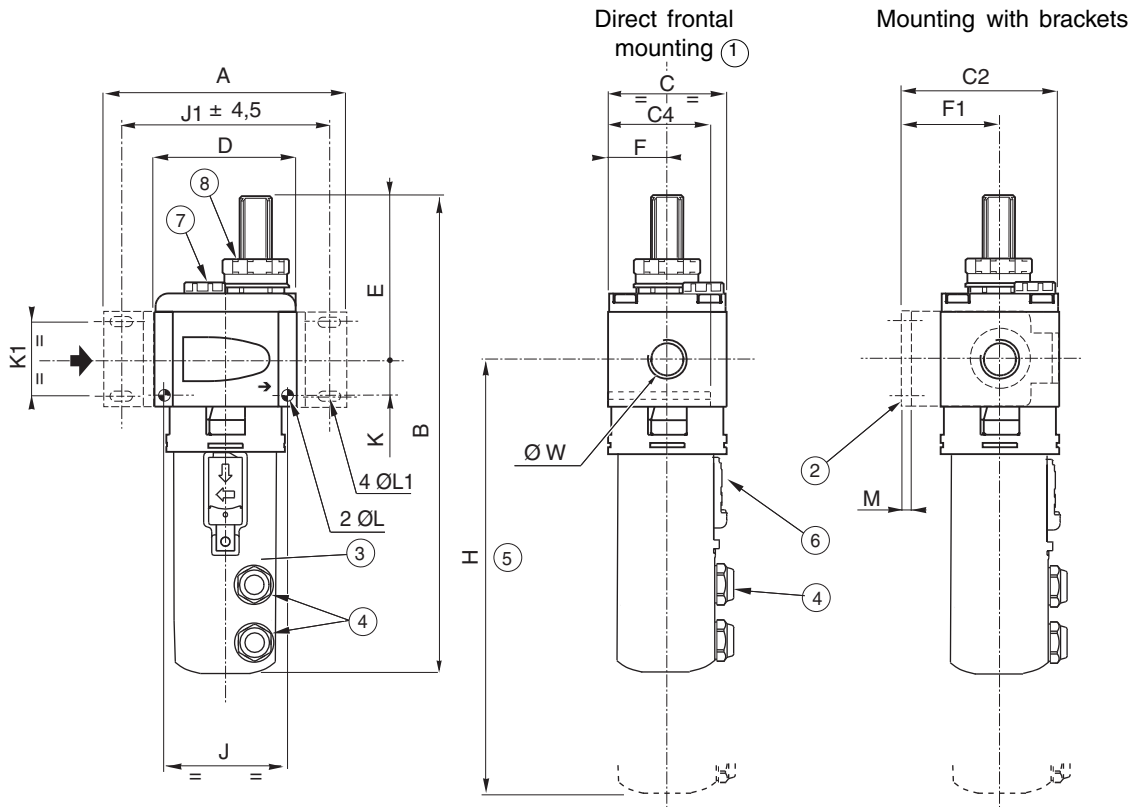
### PRESSURE LOSS VERSUS AIR FLOW CURVES \*



\* according to ISO 6953 standards

(1) Weight without pressure gauge  
(2) Weight with automatic drain

## DIMENSIONS AND WEIGHTS LUBRICATOR



range	Modulaire
	<b>112</b>
<b>Ø W</b>	G1/4 G3/8 G1/2
Bowl (cl)	12
A	112
B	216
C	55
C2	73,5
C4	47,5
D	66
E	71
F	27,5
F1	46
H	224
J	57
J1	96
K	17
K1	33,5
ØL	5,5
ØL1	5,5
M	4
Weight (kg)	0,640

- ① Direct frontal mounting : 2 holes ØL, and depth C4
- ② Mounting with 2 side brackets (accessory)
- ③ Metal bowl
- ④ Min./max. oil level window
- ⑤ Clearance necessary for bowl removal
- ⑥ Bowl unlocking button
- ⑦ Filler plug
- ⑧ Oil flow adjustment knob

### PRESSURE LOSS VERSUS AIR FLOW CURVES

