







### Series **FY**

Filter, 1/4 NPTF to 1/2 NPTF

11.072

### Series RY/RYP

Pressure regulator/ precision regulator, 1/4 NPTF to 1/2 NPTF

11.077





### Series FRY

Filter/regulator, 1/4 NPTF to 1/2 NPTF

11.081



### Series **OY**

Lubricator, 1/4 NPTF to 1/2 NPTF

TF 11.084

### Series FROY

Filter, Regulator, Lubricator combination, 1/4 NPTF to 1/2 NPTF

11.087







Series KY
Ball valve,
1/4 NPTF to 1/2 NPTF
11.090



Series NY
Non-return valve,
1/4 NPTF to 1/2 NPTF
11.092



Series VMY 3/2-way inline valve, 1/4 NPTF to 1/2 NPTF 11.095



Series DAY
Soft start valve,
1/4 NPTF to 1/2 NPTF
11.098



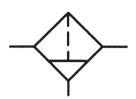
Series TY
Distribution block and pressure switch,
1/4 NPTF to 3/4 NPTF
11.100



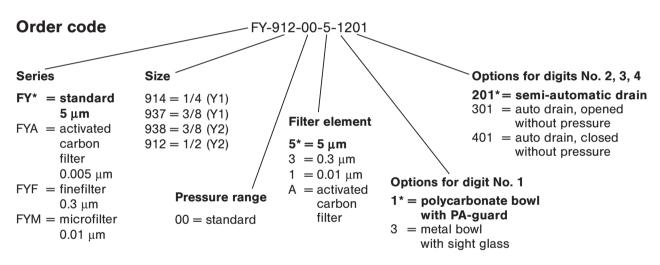
Accessories for Series Y











Order number Please complete according to order code.	FY-914-00	FY-937-00	FY-938-00	FY-912-00
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Nominal size*	2200 NI/min (2.236 Cv)	2400 NI/min (2.44 Cv)	3500 NI/mi (3.557 Cv)	
Mounting	vertically, drain plug	vertically, drain plug at bottom		
Input range	0.5 16 bar (7.25 232 psi) Min. 1.5 bar with auto drain		0.5 16 bar (7.25 1.5 12 bar with au	
Temperature range	- 10 °C + 50 °C (+ 14 °F + 122 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Bowl volume	max. 28 cm <sup>3</sup>		max. 49 cm <sup>3</sup>	
Weight*	0.212 kg (0.467 lb.)		0.361 kg (0.796 lb.)	

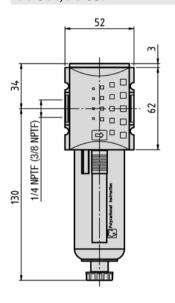
<sup>\* =</sup> standard type

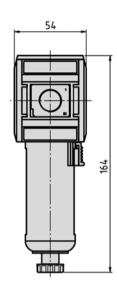
11.072 Subject to change

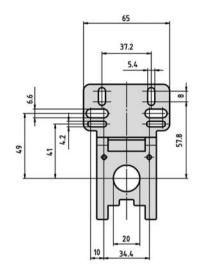


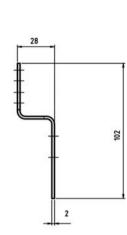
# FY

### FY-914, FY-937

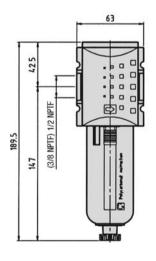


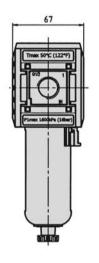


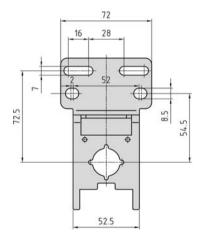


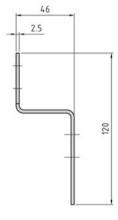


### FY-938, FY-912

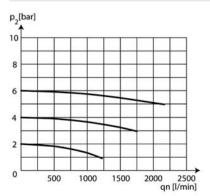




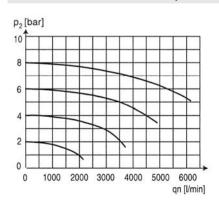




### Flow characteristic FY-914, FY-937



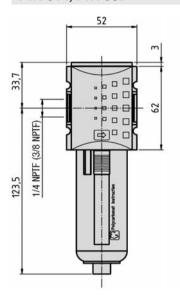
### Flow characteristic FY-938, FY-912

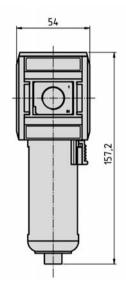


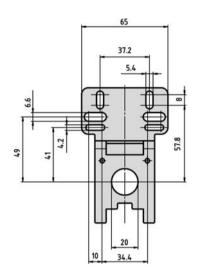


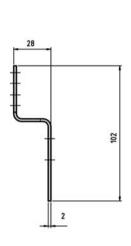
# FYA - Active carbone filter

### FYA-914, FYA-937

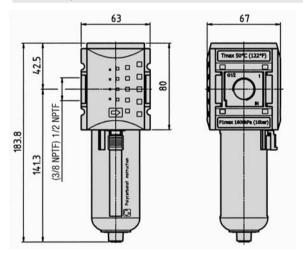


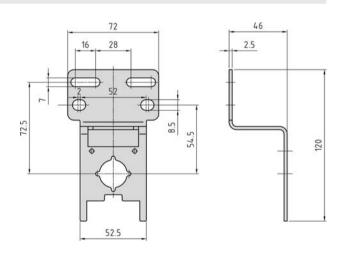




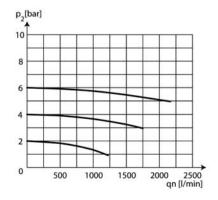


### FYA-938, FYA-912

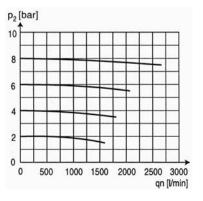




### Flow characteristic FYA-914, FYA-937



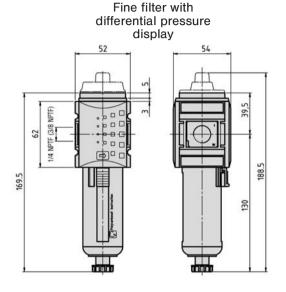
### Flow characteristic FYA-938, FYA-912

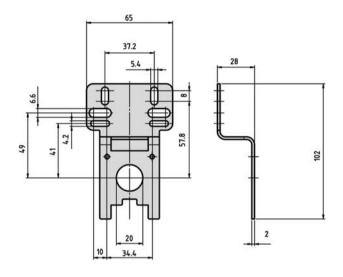




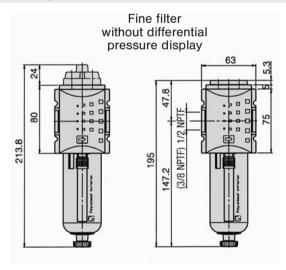
# FYF - Fine filter (pre-filter)

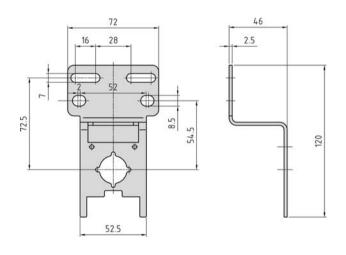
### FYF-914, FYF-937



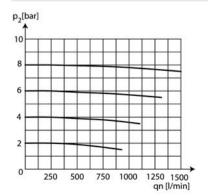


### FYF-938, FYF-912

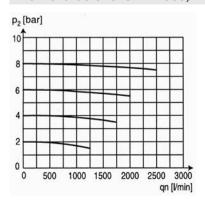




### Flow characteristic FYF-914, FYF-937



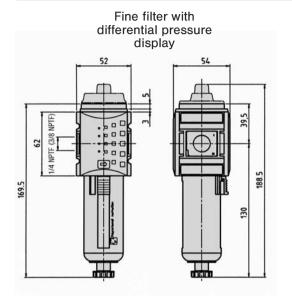
### Flow characteristic FYF-938, FYF-912

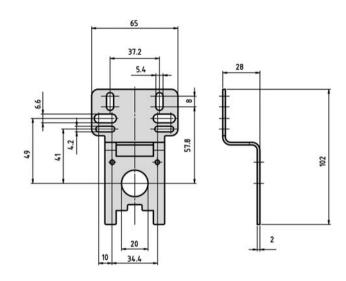




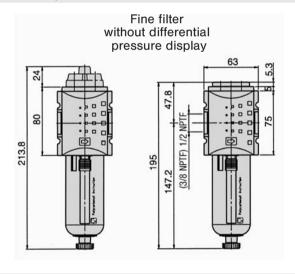
# FYM - Micro filter

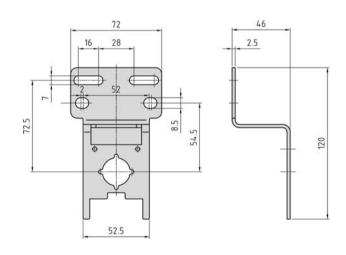
### FYM-914, FYM-937



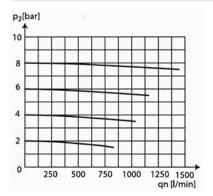


### FYM-938, FYM-912

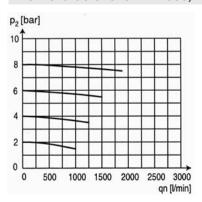




### Flow characteristic FYM-914, FYM-937



### Flow characteristic FYM-938, FYM-912



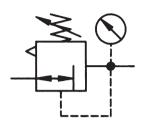


Options for digit No. 4

1 = standard

### **Technical data for series**

# RY





### Order code

**Series** 

-RY-914-10-0-0021-

Pressure range

		•
RY = standard	914 = 1/4 (Y1)	$04 = 0.5 \dots 4 \text{ bar}$
RYP = precision	937 = 3/8  (Y1)	(7.25 58 psi)
regulator	938 = 3/8  (Y2)	$08 = 0.5 \dots 8 \text{ bar}$
	912 = 1/2 (Y2)	(7.25 116 psi)
		10* = 0.5 10 bar
		(7.25 145 psi)

Size

Options for digits No. 1, 2, 3

000 = without gauge, flow from left to right 001 = without gauge,

flow from right to left

002\* = with gauge,
flow from left to right

003 = with gauge, flow from right to left

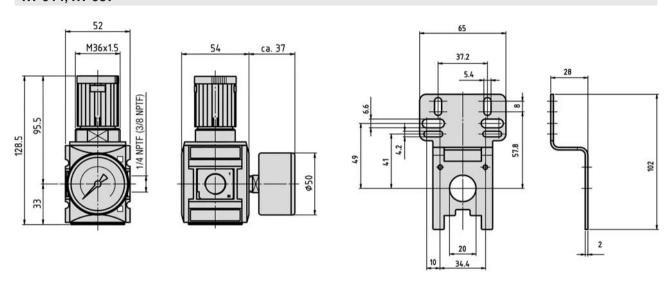
Order number Please complete according to order code.	RY-914	RY-937	RY-938	RY-912
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	with bracket or in-line,	horizontal or vertical		
Input range	max. 16 bar (max. 232 psi)			
Output range*	0.5 10 bar (7.25	. 145 psi)* (others see o	order code)	
Flow rate	2200 NI/min (2.236 Cv) 2700 NI/min (2.744 Cv) 4300 NI/min (4.37 Cv)			
Temperature range	- 10 °C + 50 °C (+ 14 °F + 122 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Medium	Compressed air, acc. to ISO 8573-1:2001, dry air			
Weight without pressure gauge	0.292 kg (0.644 lb.) 0.8 kg (1.764 lbs.)			

<sup>\* =</sup> standard type

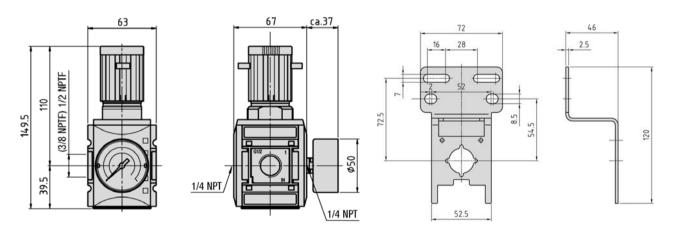


# RY

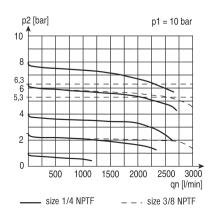
### RY-914, RY-937



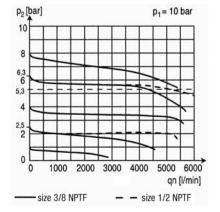
### RY-938, RY-912



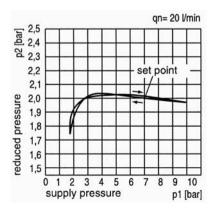
### Flow rate: RY-914, RY-937



### Flow rate: RY-938, RY-912



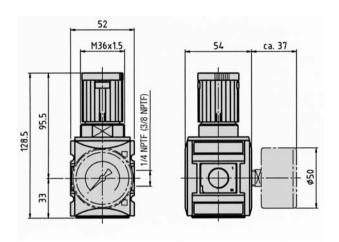
### **Pressure characteristic**

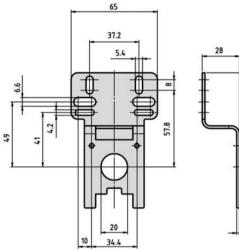


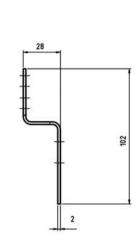


# RYP - Precision regulator

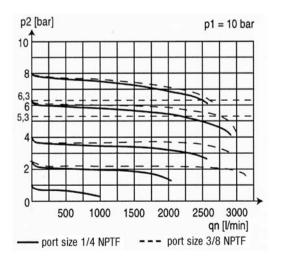
### RYP-914, RYP-937



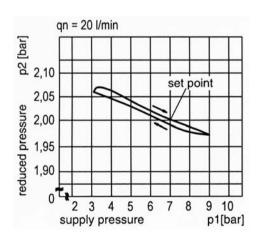




### Flow rate: RYP-914, RYP-937



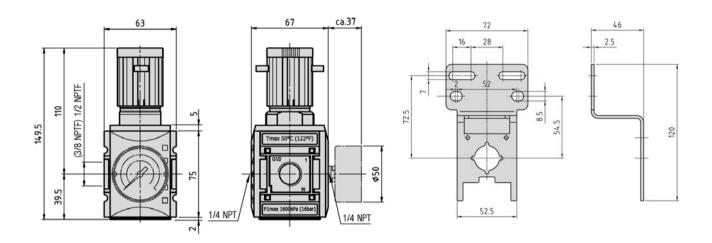
### Pressure characteristic



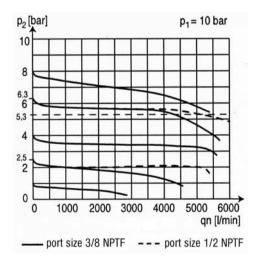


# RYP - Precision regulator

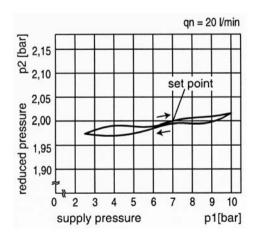
### RYP-938, RYP-912



### Flow rate: RYP-938, RYP-912

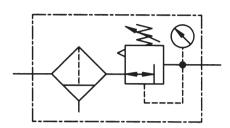


### Pressure characteristic





# **FRY**





### Order code FRY-914-10-5-1221 Series Pressure range

Size  $04 = 0.2 \dots 4 \text{ bar}$ 914 = 1/4 (Y1)(2.9 ... 58 psi) 937 = 3/8 (Y1) $08 = 0.5 \dots 8 \text{ bar}$ 938 = 3/8 (Y2)(7.25 ... 116 psi)

912 = 1/2 (Y2)10\* = 0.5 ... 10 bar

(7.25 ... 145 psi)

Options for digit No. 1

1\* = polycarbonate bowl with PA-guard

3 = metal bowl with sight glass

### Options for digit No. 3

0 = without gauge, flow from left to right

1 = without gauge, flow from right to left

2\* = with gauge,flow from left to right

3 =with gauge, flow from right to left

### Options for digit No. 2 2\* = semi-automatic

drain

3 = auto drain, opened without pressure

4 = auto-drain, closed without pressure

### Options for digit No. 4

1 = standard

Order number Please complete according to order code.	FRY-914	FRY-937	FRY-938	FRY-912	
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF	
Series	Y1		Y2		
Mounting	vertically, drain plug	at bottom			
Input range	max. 16 bar (max. 232 psi) 1.5 10 bar with auto drain		max. 16 bar (max. 232 psi) 1.5 12 bar with auto drain		
Output range*	0.5 10 bar (7.25 145 psi)* (others see order code)				
Flow rate	2600 NI/min (2.642 Cv)		4300 NI/min (4.37 Cv)	5200 NI/min (5.285 Cv)	
Filter element	5 μm				
Bowl volume	28 cm <sup>3</sup>		49 cm <sup>3</sup>		
Temperature range	50 °C (122 °F)				
Materials	Housing: Grivory (PA66); Connection: die cast Zinc				
Medium	Compressed air, acc. to ISO 8573-1: 2001, dry air				
Weight without pressure gauge*	0.360 kg (0.794 lb.) 0.530 kg lockable (1.			0.850 kg (1.874 lb.) 1.050 kg lockable (2.315 lbs.)	

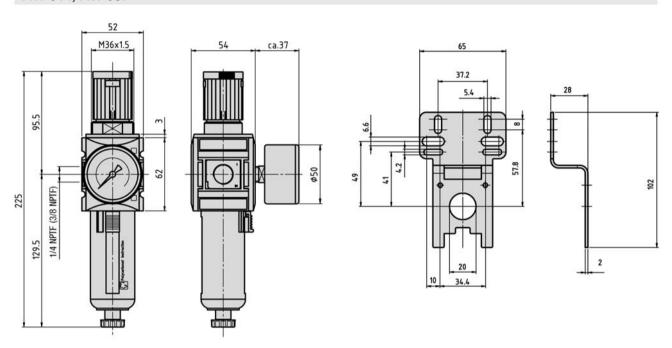
<sup>\* =</sup> standard type

11.081 Subject to change

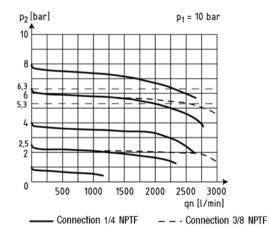


# FRY

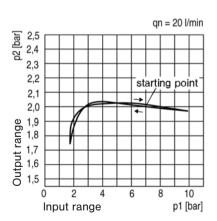
### FRY-914, FRY-937



### Flow characteristic FRY-914, FRY-937



### **Pressure characteristic**

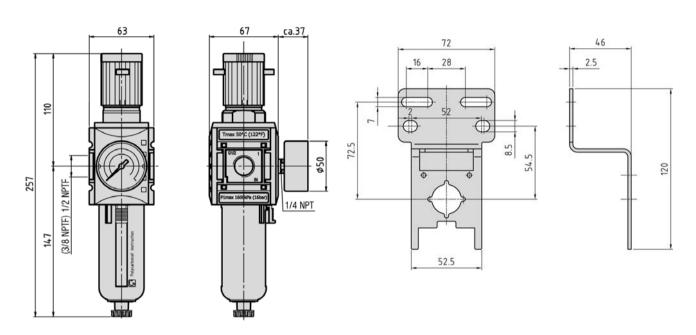


11.082 Subject to change

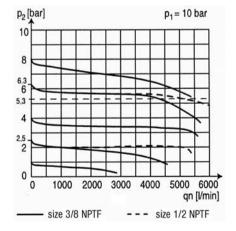


# **FRY**

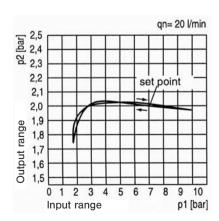
### FRY-938, FRY-912



### Flow characteristic FRY-938, FRY-912



### **Pressure characteristic**

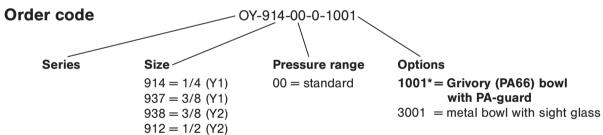












Order number Please complete according to order code.	OY-914-00-0	OY-937-00-0	OY-938-00-0	OY-912-00-0
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	vertically			
Input range	max. 16 bar, max. 20 bar with metal bowl (max. 232 psi, max. 290 psi)			
Flow rate*	2800 NI/min (2.845 Cv)	3100 NI/min (3.15 Cv)	8000 NI/min (8.13 Cv)	
Bowl volume	40 cm <sup>3</sup>		80 cm <sup>3</sup>	
Type of oil	HL 25 according to DIN 51524 – ISO VG 32			
Temperature range	0 °C + 60 °C (+ 32 °F + 140 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Weight*	0.230 kg (0.507 lb.)		0.690 kg (1.521 lbs.)	

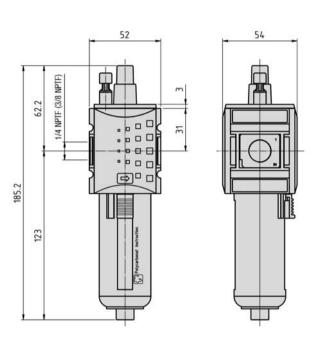
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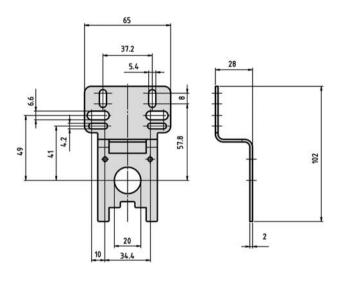
11.084 Subject to change



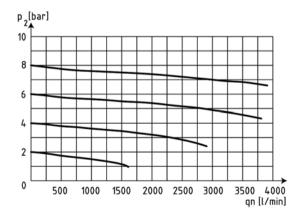


### OY-914, OY-937

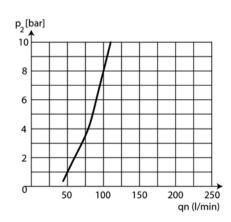




### Flow characteristic OY-914, OY-937



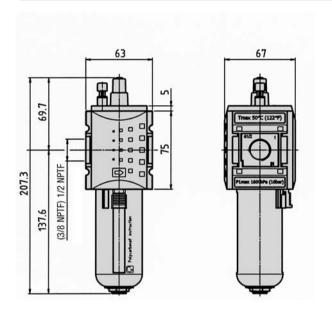
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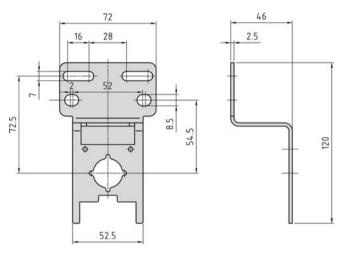




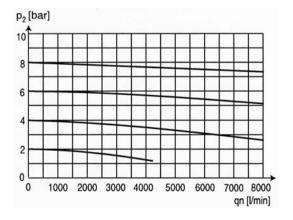


### OY-938, OY-912

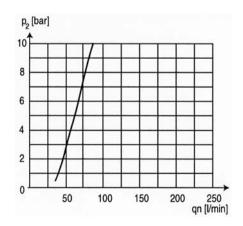




### Flow characteristic OY-938, OY-912



### Lubricator: response pressure

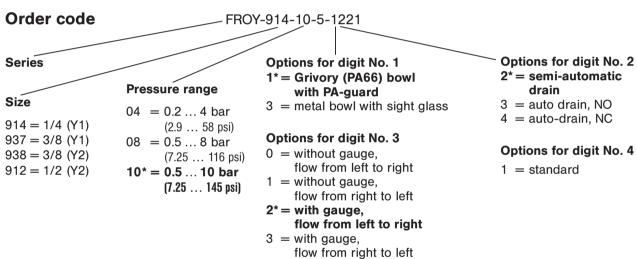




# **FROY**







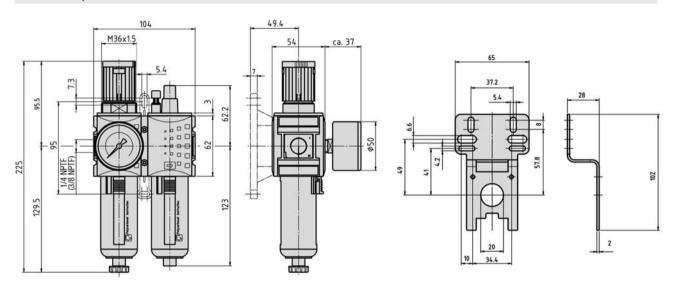
Order number Please complete according to order code.	FROY-914	FROY-937	FROY-938	FROY-912
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	vertically, drain plug	at bottom		
Input range	max. 16 bar (max. 232 psi) 1.5 10 bar with auto drain		max. 16 bar (max. 232 psi) 1.5 12 bar with auto drain	
Output range*	0.5 10 bar (7.25 145 psi)* (others see order code)			
Flow rate	2000 NI/min (2.032 Cv) 2600 NI/min (2.642 Cv)		4300 NI/min (4.37 Cv)	5200 NI/min (5.285 Cv)
Filter element	5 μ <b>m</b>	5 μm		
Bowl volume	Filter regulator: 28 cm <sup>3</sup> Lubricator: 40 cm <sup>3</sup>		Filter regulator: 49 cm³ Lubricator: 80 cm³	
Temperature range	50 °C (122 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Medium	Compressed air, acc. to ISO 8573-1: 2001, dry air			
Weight without pressure gauge*	0.633 kg (1.395 lbs.) 0.530 kg lockable (1.	168 lbs.)	1.010 kg (2.227 lbs.) 1.050 kg lockable (2.315 lbs.)	

<sup>\* =</sup> standard type

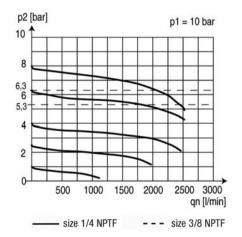


# **FROY**

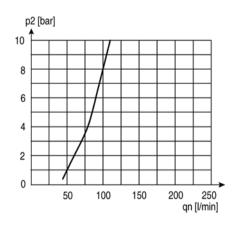
### FROY-914, FROY-937



### Flow characteristic FROY-914, FROY-937



### Lubricator: response pressure

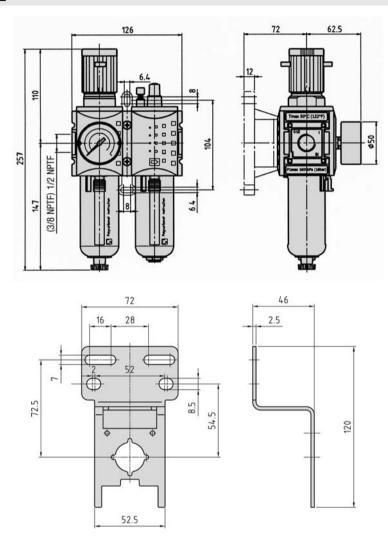


11.088 Subject to change

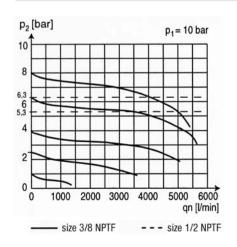


# **FROY**

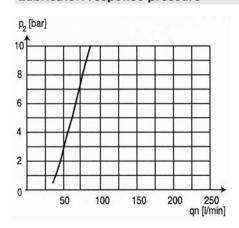
### FROY-938, FROY-912



### Flow characteristic FROY-938, FROY-912

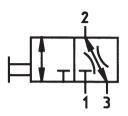


### Lubricator: response pressure

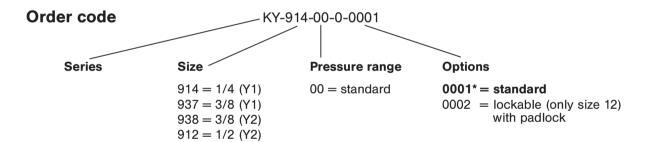




# KY







### **Design and function**

3/2-way ball valve for the shut-off of downstream air.

Easy block assembly for components to be connected in series.

The components of series Y can easily be connected by using the coupling kit KPY.

Order number Please complete according to order code.	KY-914-00-0	KY-937-00-0	KY-938-00-0	KY-912-00-0
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	with bracket or in-line, horizontal or vertical			
Input range	max. 16 bar (max. 232 psi)			
Flow rate	2000 NI/min (2.032 Cv) 4300 NI/min (4.37 Cv) 5200 NI/min (5.285			5200 NI/min (5.285 Cv)
Temperature range	0 °C + 60 °C (+ 32 °F + 140 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Weight*	0.200 kg (0.441 lb.)		0.820 kg (1.808 lbs.)	

<sup>\* =</sup> standard type

11.090 Subject to change

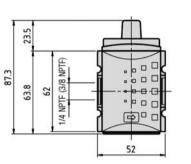


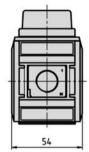
120

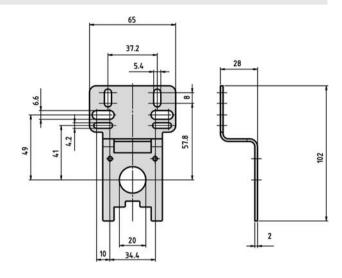
### **Dimensions for series**



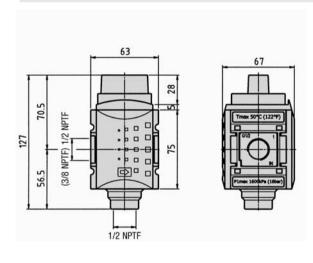
### KY-914, KY-937

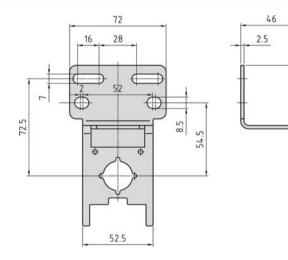




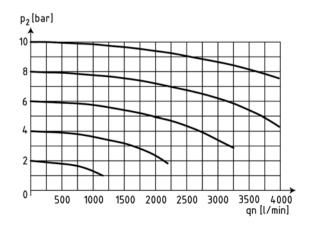


### KY-938, KY-912

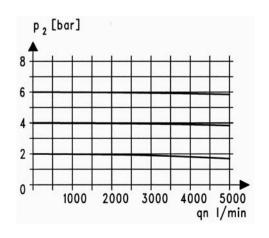




### Flow characteristic KY-938, KY-912

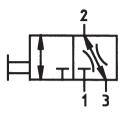


Flow characteristic KY-914, KY-937

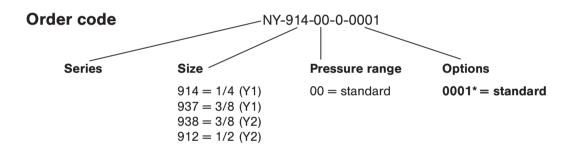




# NY







Order number Please complete according to order code.	NY-914-00-0	NY-937-00-0	NY-938-00-0	NY-912-00-0
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	with bracket or in-line, horizontal or vertical			
Input range	max. 16 bar (max. 232 psi)			
Flow rate	1250 NI/min (1.27 Cv) 5000 NI/min (5.08 Cv)			
Temperature range	0 °C + 60 °C (+ 32 °F + 140 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Weight*	0.250 kg (0.551 lb.)			

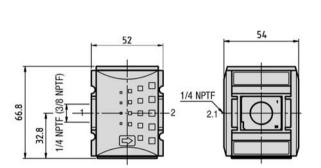
<sup>\* =</sup> standard type

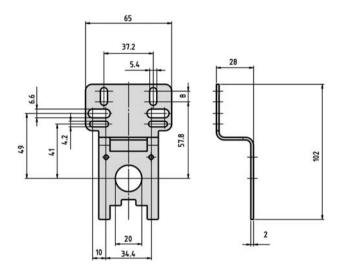
11.092 Subject to change



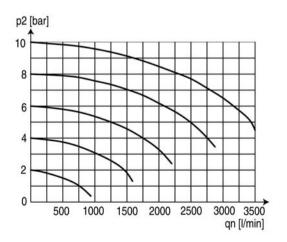
# NY

### NY-914, NY-937

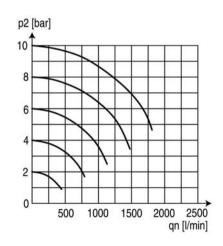




# Flow characteristic NY-914, NY-937 nominal flow from $1 \rightarrow 2$



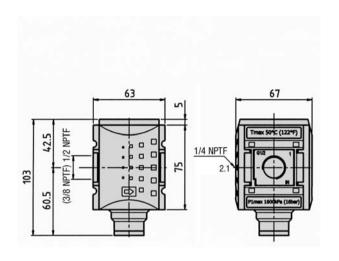
# Flow characteristic NY-914, NY-937 nominal flow from $1 \rightarrow 2.1$

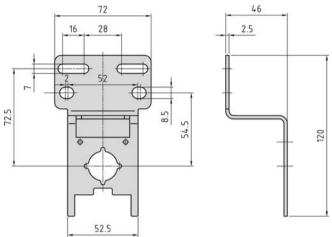




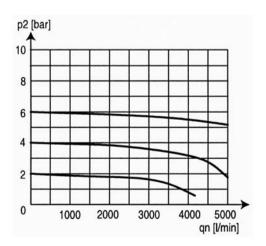
# NY

### NY-938, NY-912

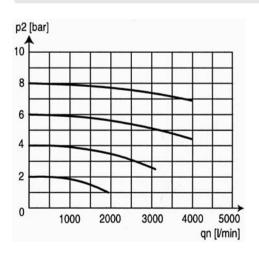




# Flow characteristic NY-938, NY-912 nominal flow from $1 \rightarrow 2$

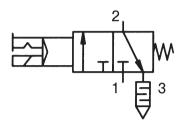


# Flow characteristic NY-938, NY-912 nominal flow from $1 \rightarrow 2.1$

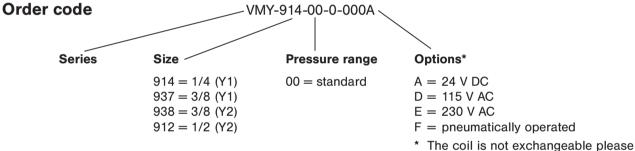




# **VMY**







## consider when ordering.

### **Design and function**

Solenoid or pneumatically operated 3/2-way poppet valve with spring return. The solenoid and plug socket are supplied with the unit.

Easy block assembly for components to be connected in series.

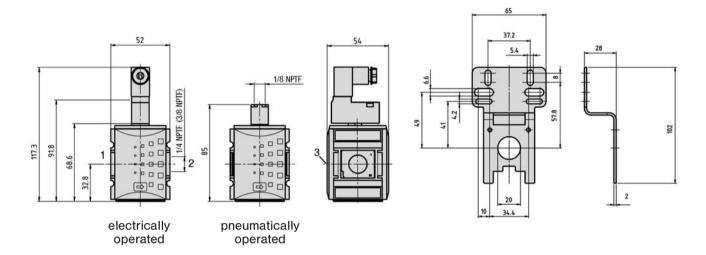
The components of series Y can be easily connected by using the coupling kit KPY.

Order number Please complete according to order code.	VMY-914-00-0	VMY-937-00-0	VMY-938-00-0	VMY-912-00-0
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	with bracket or in-line	with bracket or in-line, horizontal or vertical		
Pressure range	2 10 bar (29 145 psi)			
Duty cycle	100 %			
Degree of protection	IP 65 according to EN 60529			
Flow rate	1800 NI/min (1.829 Cv)   2000 NI/min (2.032 Cv)   4300 NI/min (4.37 Cv)   5200 NI/min (5.285 Cv)			
Temperature range	0 °C + 50 °C (+ 32 °F + 122 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Weight	0.196 kg (0.432 lb.)		1.050 kg (2.315 lbs.)	

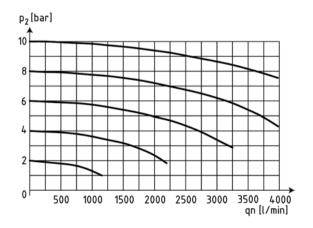


# **VMY**

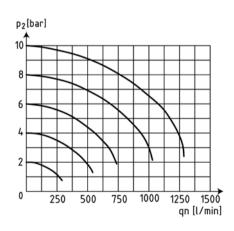
### VMY-914, VMY-937



### Flow characteristic VMY-914, VMY-937



### Rear exhaust flow characteristic

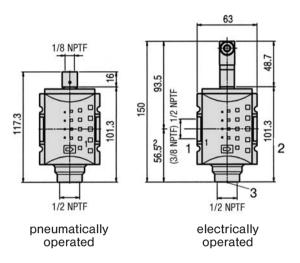


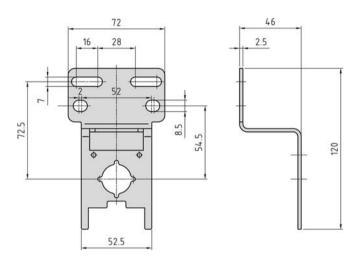
11.096 Subject to change



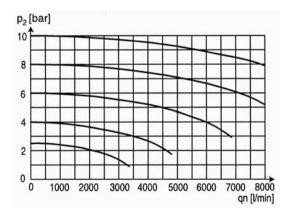
# **VMY**

### VMY-938, VMY-912

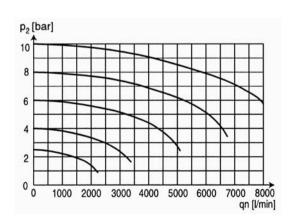




### Flow characteristic VMY-938, VMY-912

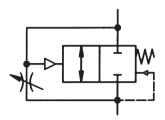


### Rear exhaust flow characteristic

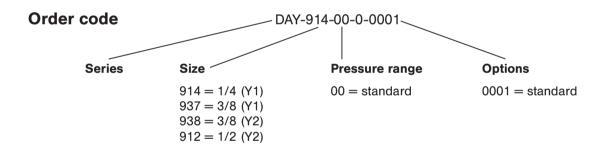




# DAY







### **Design and function**

Soft start valve with adjustable filling time. This valve can be used to slowly increase the system pressure through an adjustable throttle. When 50 % of the incoming pressure is achieved the valve opens completely. The components of series Y can be easily connected by using the coupling kit KPY.

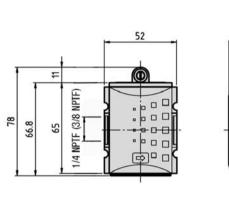
Order number	DAY-914-00-0-0001	DAY-937-00-0-0001	DAY-938-00-0-0001	DAY-912-00-0-0001
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Series	Y1		Y2	
Mounting	with bracket or in-line	with bracket or in-line, horizontal or vertical		
Pressure range	2 16 bar (29 232 psi)			
Flow rate	1800 NI/min (1.829 Cv)   2000 NI/min (2.032 Cv)   4300 NI/min (4.37 Cv)   5200 NI/min (5.285 C			5200 NI/min (5.285 Cv)
Temperature range	0 °C + 50 °C (+ 32 °F + 122 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Weight	0.180 kg (0.397 lb.)		0.770 kg (1.697 lbs.)	

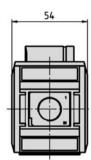
11.098 Subject to change

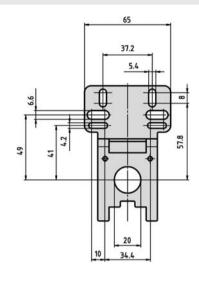


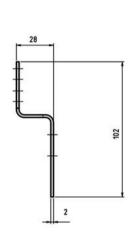
# DAY

### **DAY-914, DAY-937**

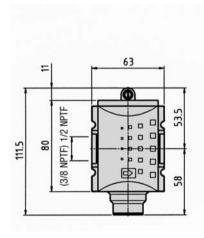


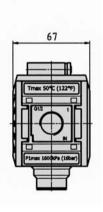


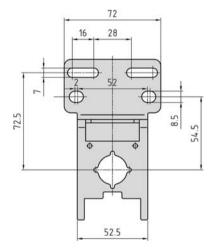


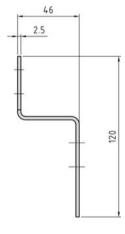


### DAY-938, DAY-912

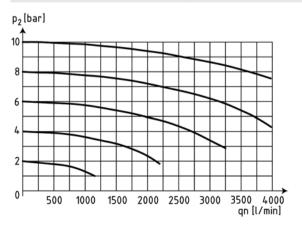




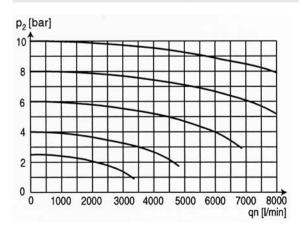




### Flow characteristic DAY-914, DAY-937

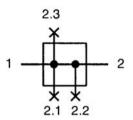


### Flow characteristic DAY-938, DAY-912

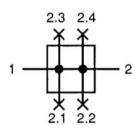




# TY

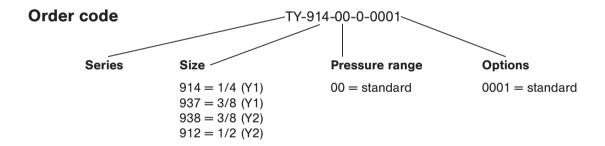


Series Y1



Series Y2





Order number	TY-914-00-0-0001	TY-937-00-0-0001	TY-938-00-0-0001	TY-912-00-0-0001
Connection	1/4 NPTF	3/8 NPTF	3/8 NPTF	1/2 NPTF
Outlets	4 x 1/4 NPTF	1 x 3/8 NPTF 3 x 1/4 NPTF	3 x 3/8 NPTF 1 x 1/4 NPTF 1 x 1/2 NPTF	2 x 1/2 NPTF 2 x 3/8 NPTF 1 x 1/4 NPTF
Series	Y1 Y2			
Mounting	with bracket or in-line, horizontal or vertical			
Pressure range	0 16 bar (0 232 psi)			
Flow rate	2700 NI/min (2.744 Cv) 3600 NI/min (3.659 Cv) 7250 NI/min (7.368 Cv) 11000 NI/min (11.179 Cv)			11000 NI/min (11.179 Cv)
Temperature range	0 °C + 60 °C (+ 32 °F + 140 °F)			
Materials	Housing: Grivory (PA66); Connection: die cast Zinc			
Weight*	0.250 kg (0.551 lb.)			_

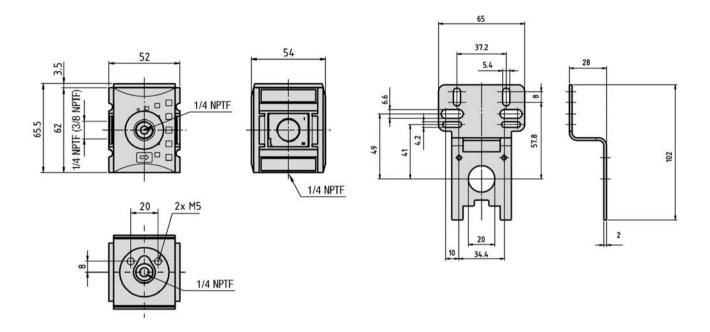
<sup>\* =</sup> outlet ports see page 11.059.

11.100 Subject to change

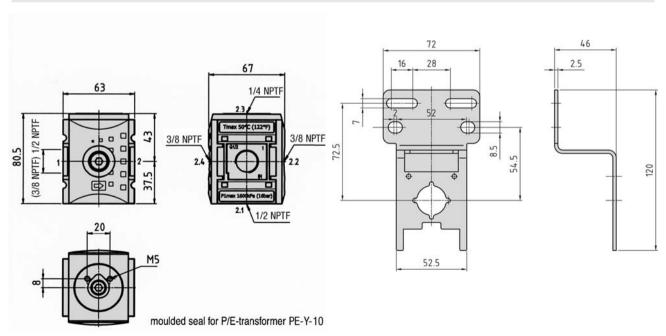


# TY

### TY-914, TY-937



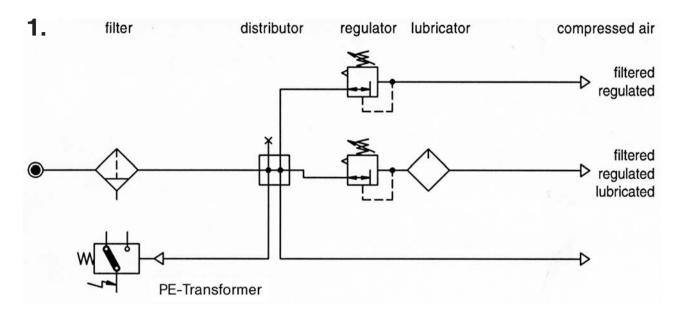
### TY-938, TY-912

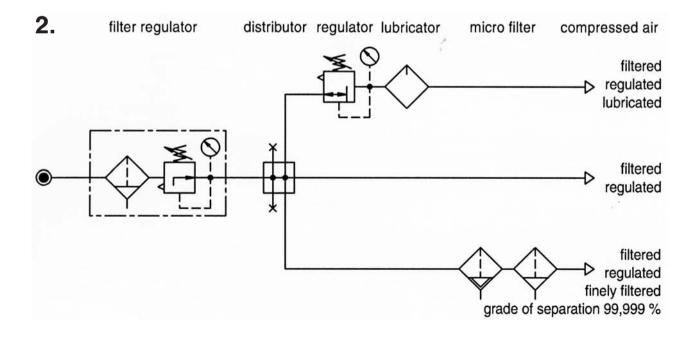




# TY

### Areas of application for TY-914, TY-937, TY-938, TY-912

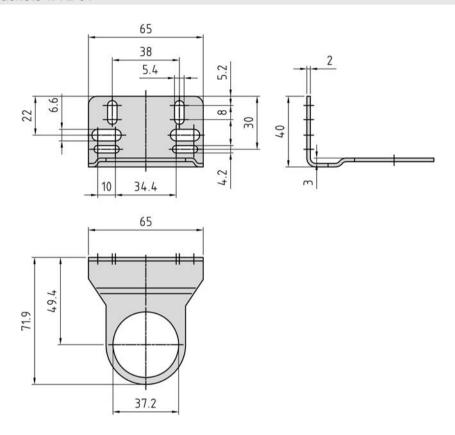




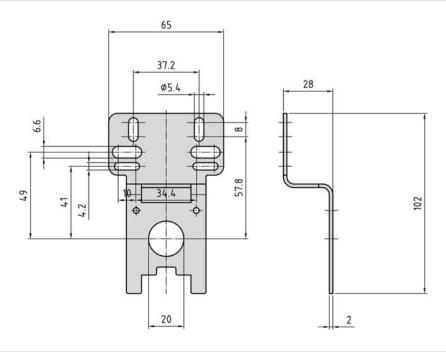




### **Mounting brackets WYL-01**



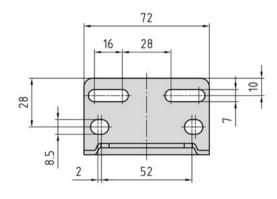
### **Mounting brackets WYP-01**

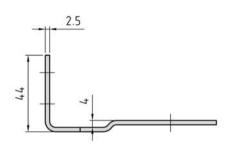


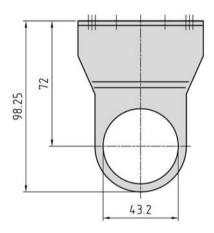




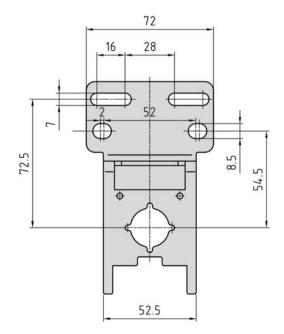
### Mounting brackets WYL-02

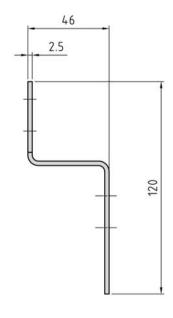






### **Mounting brackets WYP-02**

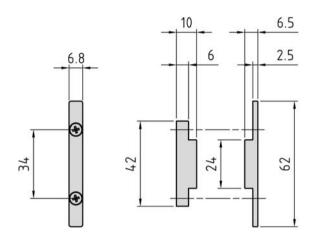


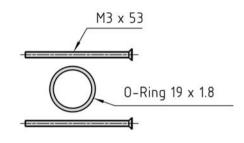




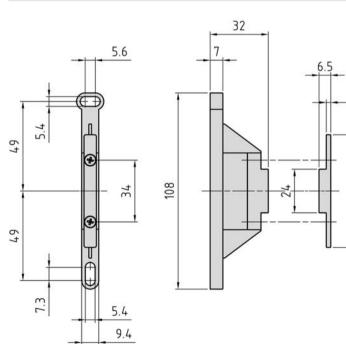


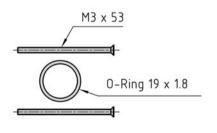
### Coupling kits KPY-01-K





### Coupling kits KPY-01-W





Subject to change 11.105

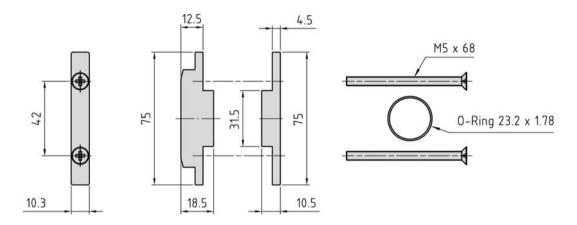
2.5

62

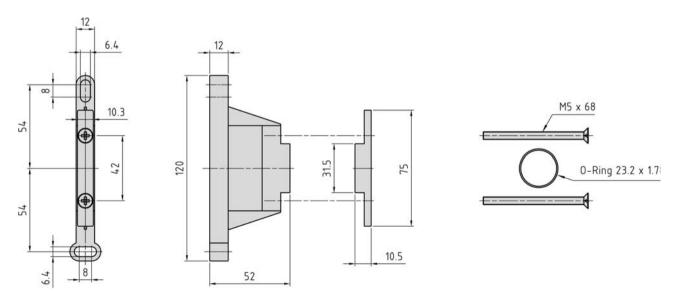




### Coupling kits KPY-02-K



### Coupling kits for wall mounting KPY-02-W

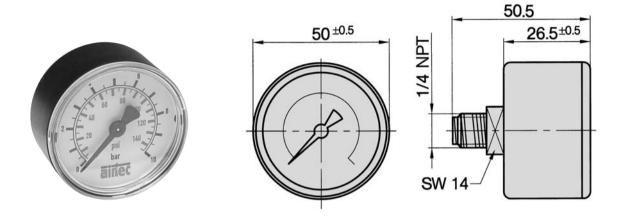


11.106 Subject to change





### Pressure gauge MXA-50

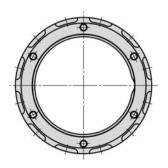


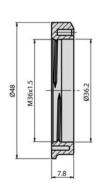
Sealing for assembly of gauge is included.

Order number	MXA-50-145-914	MXA-50-232-914	
Ranges	0 10 bar (0 145 psi)	0 16 bar (0 232 psi)	
Application	Constant load 3/4 x scale value Alternating load 2/3 x scale value		
Materials	Body : Plastic, highly shock resistant, black (ABS) Window : Plexiglass, convex, clipped-on Dial : Plastic, white with stop pin, scale black or blue Pointer : Plastic, black Movement : CuZn alloy Measuring element: Cu alloy		
Temperature range	- 40 °C + 60 °C (- 40 °F + 140 °F)		
Accuracy class	2.5 according to EN 837-1		
Temperature drift	0.4 % / 10 K if deviation from normal temp	erature 20 °C (68 °F).	
Weight	0.071 kg (0.156 lb.)		

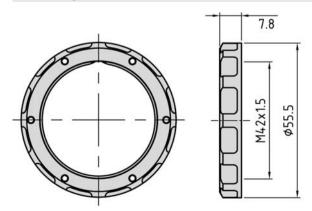
### Mounting nut RMY-01

material: plastic





### Mounting nut RMY-02







### Serie Y1



metal bowl with condensate drain **BE-Y1-HA** semi-automatic **BE-Y1-AM-NC** automatic normally of

**BE-Y1-AM-NC** automatic normally closed **BE-Y1-AM-NO** automatic normally open



auto drain

AM-Y-NC normally closed

AM-Y-NO normally open



metal bowl without drain, for activated carbon filter **BE-Y1-KF** 



transformer **PE-Y-10** 



metal bowl without drain, for lubricator **BE-Y1-L** 



lock VH-Y-32 with key VH-Y-31 without key

### Serie Y2



metal bowl with condensate drain

**BE-Y2-HA** semi-automatic

BE-Y2-AM-NC automatic normally closed

BE-Y2-AM-NO automatic normally open



metal bowl without drain, for activated carbon filter **BE-Y2-KF** 



metal bowl without drain, for lubricator **BE-Y2-L** 



auto drain **AM-Y-NC** normally closed **AM-Y-NO** normally open



transformer PE-Y-10



lock VH-Y-32 with key VH-Y-31 without key



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