

Filter and Regulator Combination Unit

Combination Unit of Air Filter and Regulator

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)



(1) Filter and Regulator Combination Unit

(2) Unit combination (○: Equipped)

Code	AR	AD	ADR	AM	AMR
Air Filter	○	○	○	○	○
Mist Filter		○	○		
Micromist Filter				○	○
Regulator	○		○		○

(3) Operating flow rate

300 : 300 l/min (ANR)

(4) Port size

Code	02	03
Port size	Rc1/4	Rc3/8

(5) Drain cock

Code	MD	AD
Drain cock spec.	Manual drain	Auto drain

(6) Flow direction

Code	No code	R
Flow direction	Left to Right	Right to Left

(7) Pressure indication (UADR, UAMR and UAR type only.)

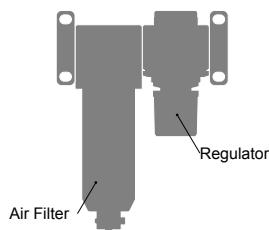
Code	Pressure indication	
No code	Pressure Gauge	
G	Digital Pressure Gauge	
T2	Pressure Sensor with LCD Dual-display	1 switch output & 1 analog output (with 2 m cable)
T2C		1 switch output & 1 analog output (M8, 4 pin connector)
T3		2 switch outputs (with 2 m cable)
T3C		2 switch outputs (M8, 4 pin connector)
T4		2 switch outputs (NPN output) & 1 analog output
T4P		2 switch outputs (PNP output) & 1 analog output
T5		2 switch outputs (NPN output) & copy function
T5P		2 switch outputs (PNP output) & copy function
L	Without Gauge	

Characteristics

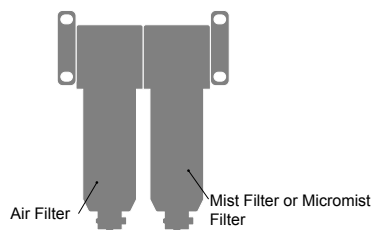
Variety of combinations and easy maintenance.

Module type of Air Filter, Mist Filter or Micromist Filter and Regulator.

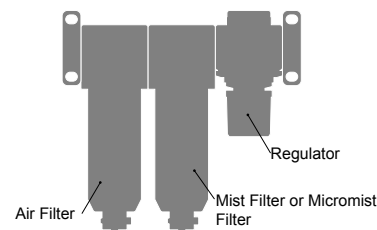
UAR



UAD UAM



UADR UAMR



A wide variety of pressure indication is available.

- Pressure Gauge: Display is readable from the side by a special scale.
- Digital pressure Gauge: Easy check is possible by reading indication.
- Pressure Sensor with LCD Dual-display: Clear LCD dual-display, 3-colored indication.



Pressure Gauge

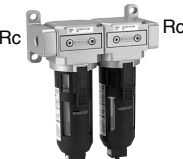
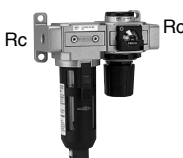


Digital Pressure Gauge



Pressure Sensor with LCD Dual-display

RoHS2 (2011/65/EU+EU2015/863) compliant

Without Gauge					
Type	Model code UAR300-Rc-[5]-[6]L	Type	Model code UAD300-Rc-[5]-[6]	Type	Model code UADR300-Rc-[5]-[6]L
Air Filter, Regulator UAR	UAR300-02-MD-[6]L UAR300-03-MD-[6]L UAR300-02-AD-[6]L UAR300-03-AD-[6]L	Air Filter, Mist Filter UAD	UAD300-02-MD-[6] UAD300-03-MD-[6] UAD300-02-AD-[6] UAD300-03-AD-[6]	Air Filter, Mist Filter, Regulator UADR	UADR300-02-MD-[6]L UADR300-03-MD-[6]L UADR300-02-AD-[6]L UADR300-03-AD-[6]L
					
Type	Model code UAM300-Rc-[5]-[6]	Type	Model code UAMR300-Rc-[5]-[6]L		
Air Filter, Micromist Filter UAM	UAM300-02-MD-[6] UAM300-03-MD-[6] UAM300-02-AD-[6] UAM300-03-AD-[6]	Air Filter, Micromist Filter, Regulator UAMR	UAMR300-02-MD-[6]L UAMR300-03-MD-[6]L UAMR300-02-AD-[6]L UAMR300-03-AD-[6]L		
					
With Pressure Gauge					
Type	Model code UAR300-Rc-[5]-[6]	Type	Model code UADR300-Rc-[5]-[6]	Type	Model code UAMR300-Rc-[5]-[6]
Air Filter, Regulator UAR	UAR300-02-MD-[6] UAR300-03-MD-[6] UAR300-02-AD-[6] UAR300-03-AD-[6]	Air Filter, Mist Filter, Regulator UADR	UADR300-02-MD-[6] UADR300-03-MD-[6] UADR300-02-AD-[6] UADR300-03-AD-[6]	Air Filter, Micromist Filter, Regulator UAMR	UAMR300-02-MD-[6] UAMR300-03-MD-[6] UAMR300-02-AD-[6] UAMR300-03-AD-[6]
					
With Digital Pressure Gauge					
Type	Model code UAR300-Rc-[5]-[6]G	Type	Model code UADR300-Rc-[5]-[6]G	Type	Model code UAMR300-Rc-[5]-[6]G
Air Filter, Regulator UAR	UAR300-02-MD-[6]G UAR300-03-MD-[6]G UAR300-02-AD-[6]G UAR300-03-AD-[6]G	Air Filter, Mist Filter, Regulator UADR	UADR300-02-MD-[6]G UADR300-03-MD-[6]G UADR300-02-AD-[6]G UADR300-03-AD-[6]G	Air Filter, Micromist Filter, Regulator UAMR	UAMR300-02-MD-[6]G UAMR300-03-MD-[6]G UAMR300-02-AD-[6]G UAMR300-03-AD-[6]G
					



Notes

*1. For [6] in model code, please select the code "R" only in case of requiring flow direction from right to left.

CAD data is available
at PISCO websitePackaging specifications
1 pc. /bag

Filter and Regulator Combination Unit

RoHS2 (2011/65/EU+EU2015/863) compliant

With Pressure Sensor with LCD Dual-display					
1 switch output & 1 analog output or 2 switch outputs (with 2 m cable)					
Type	Model code UAR300-Rc-[5]-[6]T[7]	Type	Model code UADR300-Rc-[5]-[6]T[7]	Type	Model code UAMR300-Rc-[5]-[6]T[7]
Air Filter, Regulator UAR 	UAR300-02-MD-[6]T[7] UAR300-03-MD-[6]T[7] UAR300-02-AD-[6]T[7] UAR300-03-AD-[6]T[7]	Air Filter, Mist Filter, Regulator UADR 	UADR300-02-MD-[6]T[7] UADR300-03-MD-[6]T[7] UADR300-02-AD-[6]T[7] UADR300-03-AD-[6]T[7]	Air Filter, Micromist Filter, Regulator UAMR 	UAMR300-02-MD-[6]T[7] UAMR300-03-MD-[6]T[7] UAMR300-02-AD-[6]T[7] UAMR300-03-AD-[6]T[7]
1 switch output & 1 analog output or 2 switch outputs(M 8, 4 pin connector)					
Type	Model code UAR300-Rc-[5]-[6]T[7]C	Type	Model code UADR300-Rc-[5]-[6]T[7]C	Type	Model code UAMR300-Rc-[5]-[6]T[7]C
Air Filter, Regulator UAR 	UAR300-02-MD-[6]T[7]C UAR300-03-MD-[6]T[7]C UAR300-02-AD-[6]T[7]C UAR300-03-AD-[6]T[7]C	Air Filter, Mist Filter, Regulator UADR 	UADR300-02-MD-[6]T[7]C UADR300-03-MD-[6]T[7]C UADR300-02-AD-[6]T[7]C UADR300-03-AD-[6]T[7]C	Air Filter, Micromist Filter, Regulator UAMR 	UAMR300-02-MD-[6]T[7]C UAMR300-03-MD-[6]T[7]C UAMR300-02-AD-[6]T[7]C UAMR300-03-AD-[6]T[7]C
2 switch outputs & analog output or 2 switch outputs with copy function					
Type	Model code UAR300-Rc-[5]-[6]T[7]	Type	Model code UADR300-Rc-[5]-[6]T[7]	Type	Model code UAMR300-Rc-[5]-[6]T[7]
Air Filter, Regulator UAR 	UAR300-02-MD-[6]T4 UAR300-02-MD-[6]T5 UAR300-02-MD-[6]T4P UAR300-02-MD-[6]T5P UAR300-03-MD-[6]T4 UAR300-03-MD-[6]T5 UAR300-03-MD-[6]T4P UAR300-03-MD-[6]T5P UAR300-02-AD-[6]T4 UAR300-02-AD-[6]T5 UAR300-02-AD-[6]T4P UAR300-02-AD-[6]T5P UAR300-03-AD-[6]T4 UAR300-03-AD-[6]T5 UAR300-03-AD-[6]T4P UAR300-03-AD-[6]T5P	Air Filter, Mist Filter, Regulator UADR 	UADR300-02-MD-[6]T4 UADR300-02-MD-[6]T5 UADR300-02-MD-[6]T4P UADR300-02-MD-[6]T5P UADR300-03-MD-[6]T4 UADR300-03-MD-[6]T5 UADR300-03-MD-[6]T4P UADR300-03-MD-[6]T5P UADR300-02-AD-[6]T4 UADR300-02-AD-[6]T5 UADR300-02-AD-[6]T4P UADR300-02-AD-[6]T5P UADR300-03-AD-[6]T4 UADR300-03-AD-[6]T5 UADR300-03-AD-[6]T4P UADR300-03-AD-[6]T5P	Air Filter, Micromist Filter, Regulator UAMR 	UAMR300-02-MD-[6]T4 UAMR300-02-MD-[6]T5 UAMR300-02-MD-[6]T4P UAMR300-02-MD-[6]T5P UAMR300-03-MD-[6]T4 UAMR300-03-MD-[6]T5 UAMR300-03-MD-[6]T4P UAMR300-03-MD-[6]T5P UAMR300-02-AD-[6]T4 UAMR300-02-AD-[6]T5 UAMR300-02-AD-[6]T4P UAMR300-02-AD-[6]T5P UAMR300-03-AD-[6]T4 UAMR300-03-AD-[6]T5 UAMR300-03-AD-[6]T4P UAMR300-03-AD-[6]T5P



Notes

*1. For [6] in model code, please select the code "R" only in case of requiring flow direction from right to left.



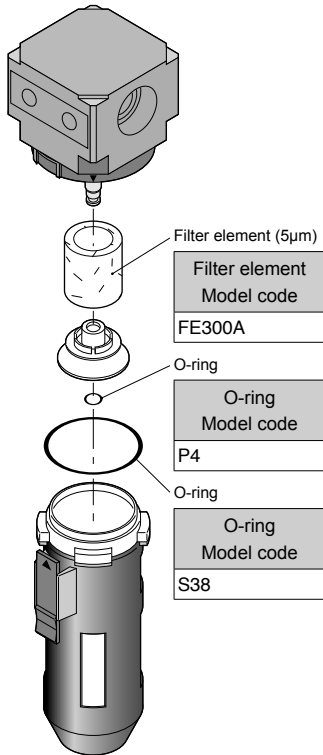
CAD data is available
at PISCO website.



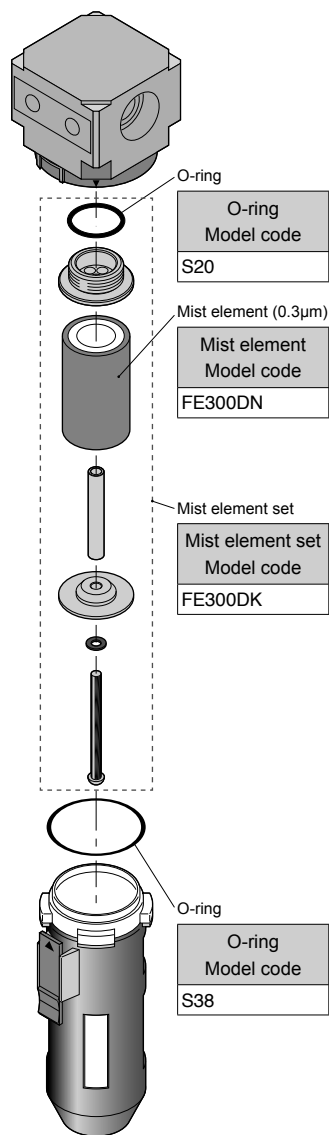
Packaging specifications
1 pc. /bag

Replacement parts

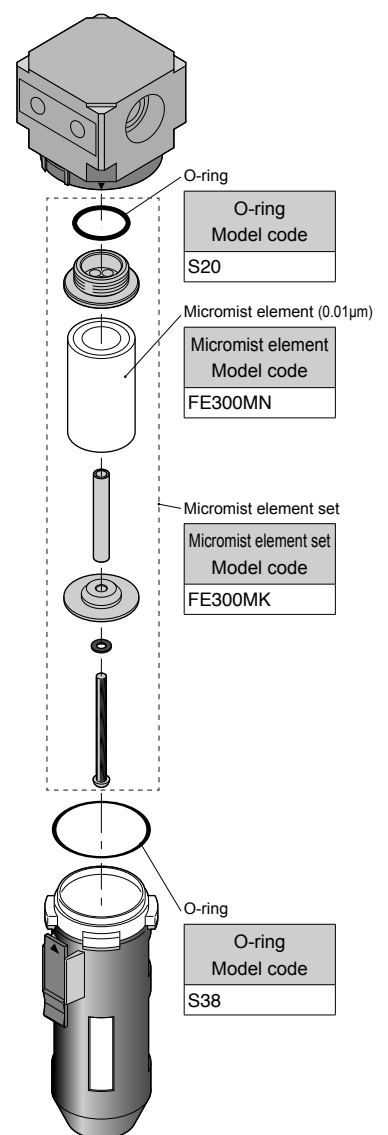
FTA Air Filter



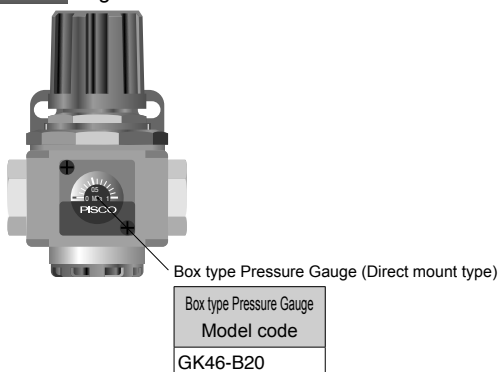
FTD Mist Filter



FTM Micromist Filter



RVF Regulator

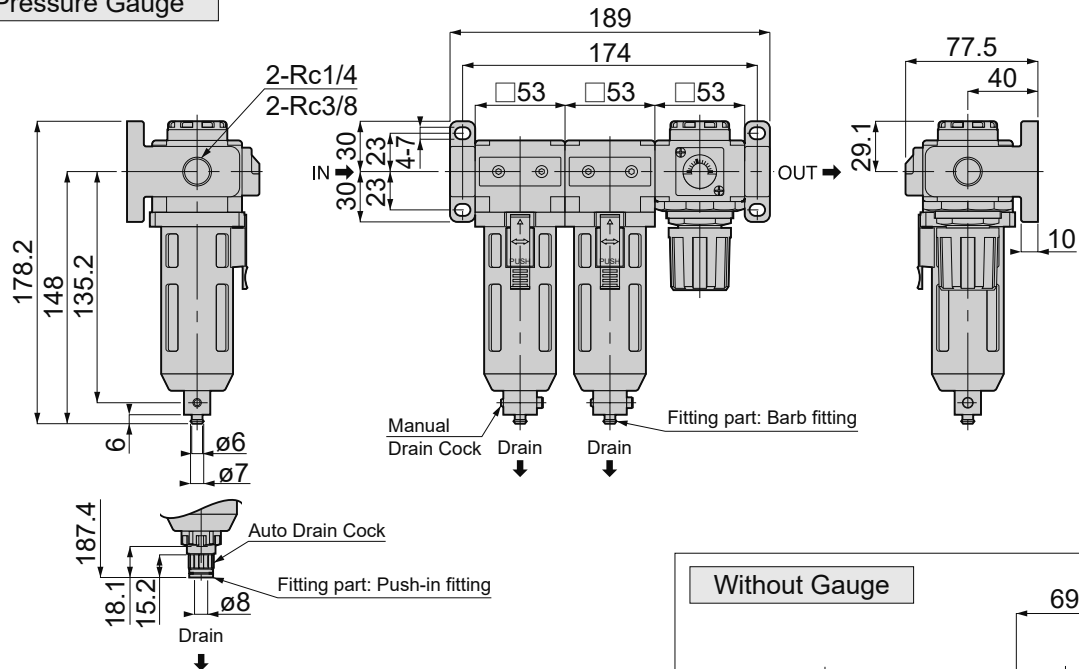


■ Dimensional Drawings

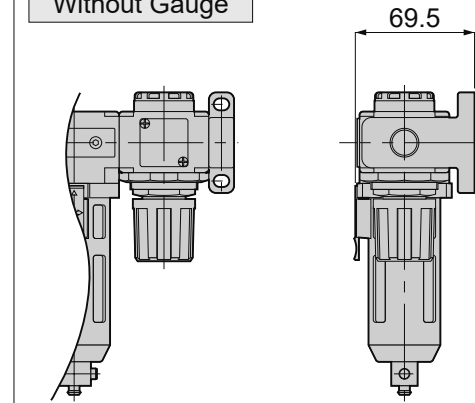
UADR Air Filter, Mist Filter, Regulator with Pressure Gauge



With Pressure Gauge



Without Gauge



■ With Pressure Gauge

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UADR300-(4)-MD-(6)	1,180	1,173
UADR300-(4)-AD-(6)	1,209	1,202

■ Without Gauge

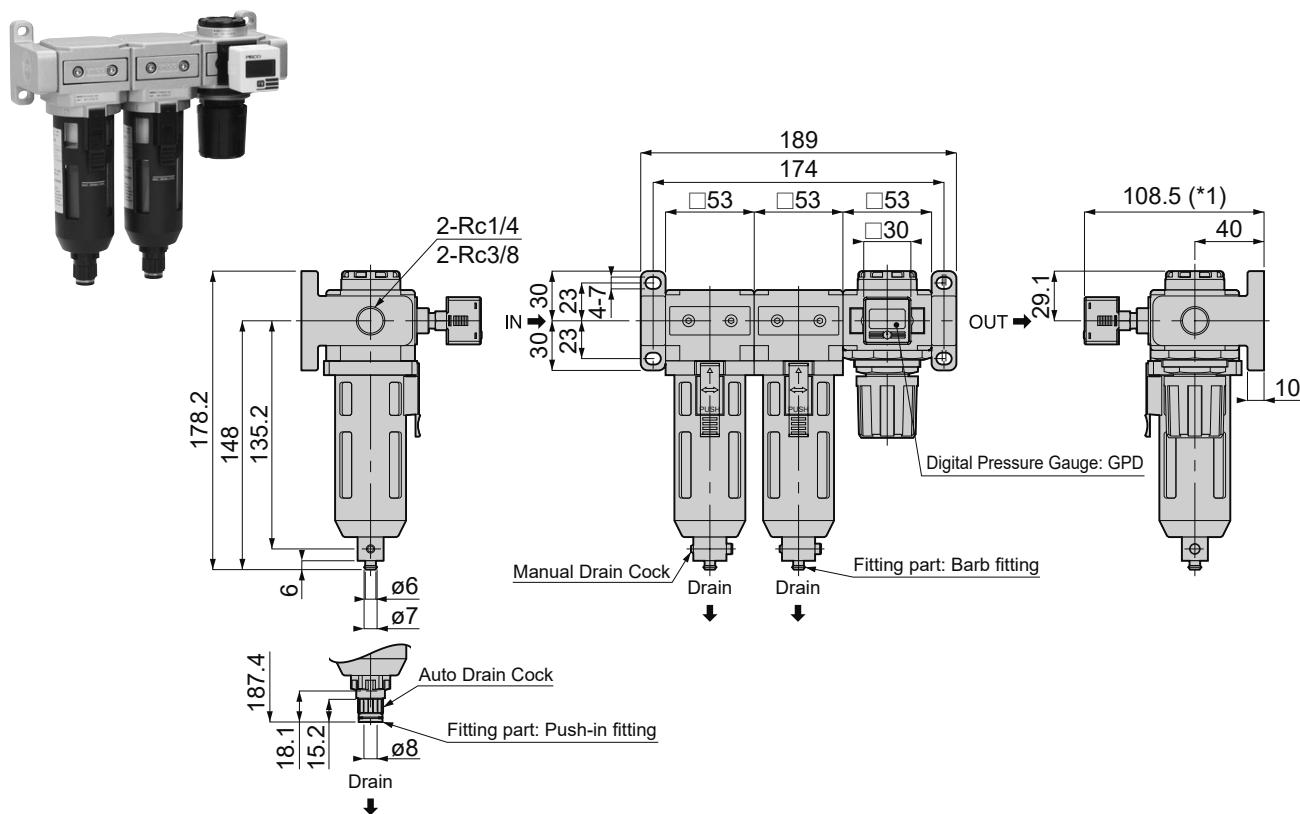
Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UADR300-(4)-MD-(6)L	1,143	1,136
UADR300-(4)-AD-(6)L	1,172	1,165

Common Notes for This Page

*1. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.

*2. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.

UADR Air Filter, Mist Filter, Regulator with Digital Pressure Gauge



Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UADR300-(4)-MD-(6)G	1,188	1,181
UADR300-(4)-AD-(6)G	1,217	1,210

Common Notes for This Page

- *1. Reference dimension.
- *2. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.
- *3. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.



Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UADR300-(4)-MD-(6)T(7)	1,224	1,217
UADR300-(4)-MD-(6)T(7)C	1,187	1,180
UADR300-(4)-AD-(6)T(7)	1,253	1,246
UADR300-(4)-AD-(6)T(7)C	1,216	1,209

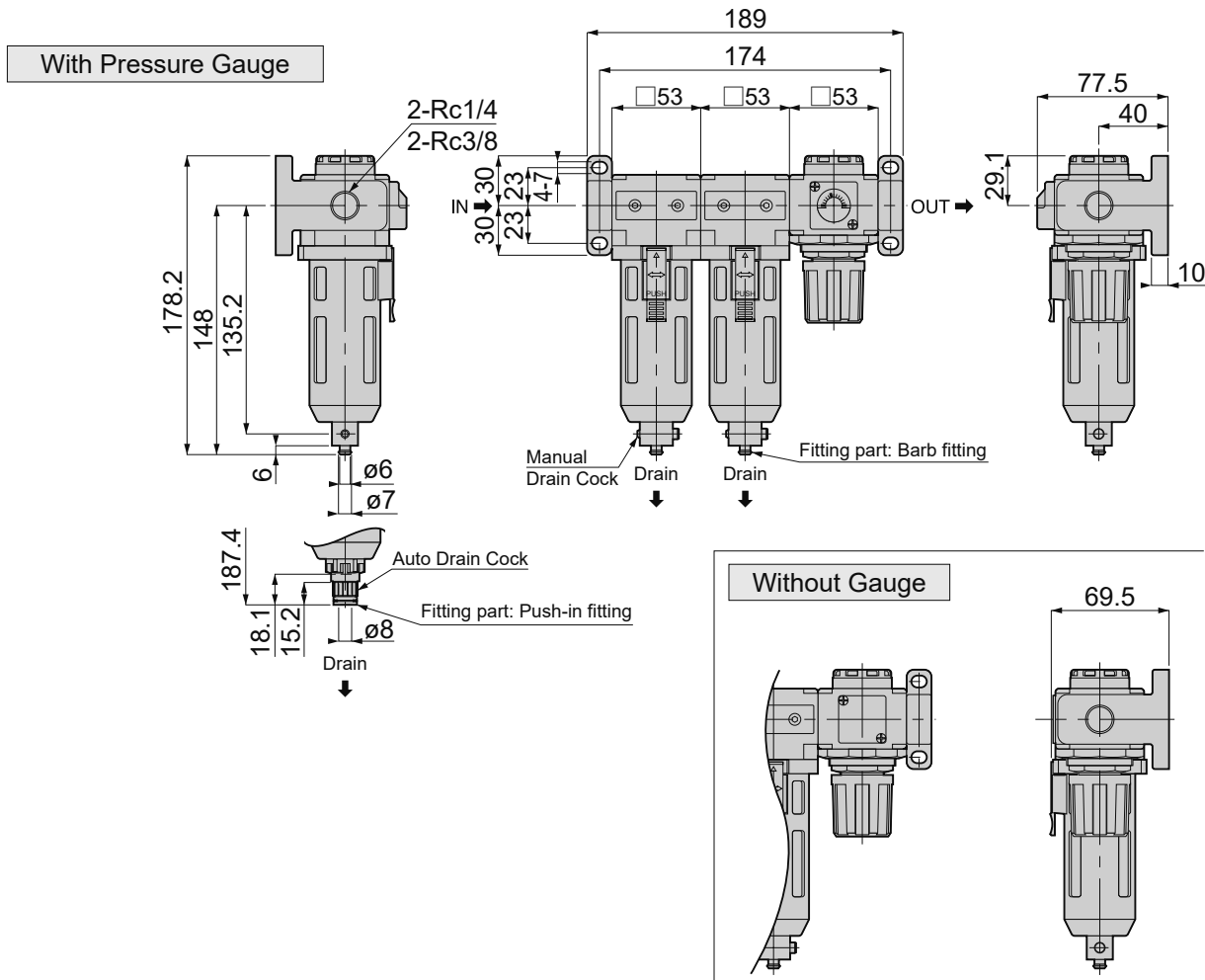
Pressure Sensor with 1 switch output + analog output: "2", Pressure Sensor with 2 switch outputs: "3"

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UADR300-(4)-MD-(6)T(7)	1,231	1,224
UADR300-(4)-AD-(6)T(7)	1,260	1,253

Pressure Sensor with NPN output, 2 switch outputs + copy function: "5", Pressure Sensor with PNP output, 2 switch outputs + copy function: "5P"

*3. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.

UAMR Air Filter, Micromist Filter, Regulator With Pressure Gauge



With Pressure Gauge

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAMR300-(4)-MD-(6)	1,180	1,173
UAMR300-(4)-AD-(6)	1,209	1,202



Without Gauge

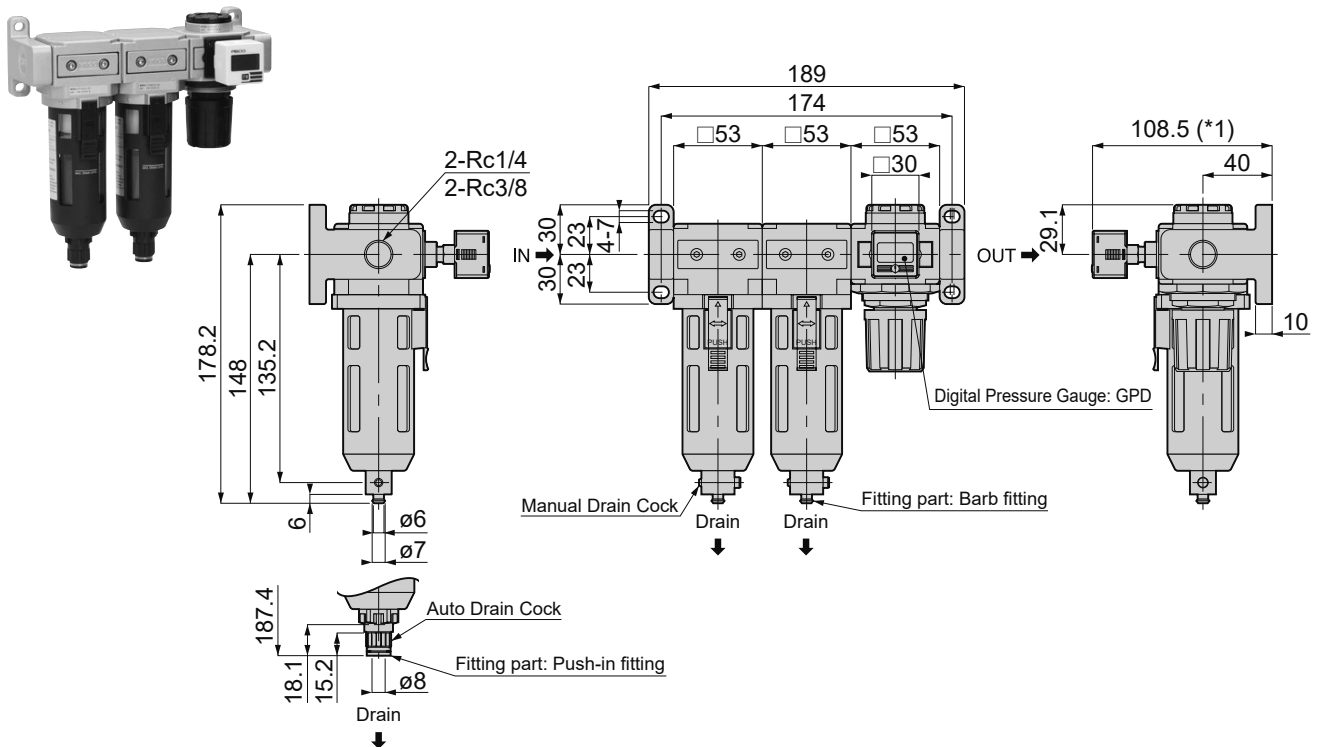
Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAMR300-(4)-MD-(6)L	1,143	1,136
UAMR300-(4)-AD-(6)L	1,172	1,165

Common Notes for This Page

*1. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.

*2. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.

UAMR Air Filter, Micromist Filter, Regulator with Digital Pressure Gauge



Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAMR300-(4)-MD-(6)G	1,188	1,181
UAMR300-(4)-AD-(6)G	1,217	1,210

Common Notes for This Page

- *1. Reference dimension.
- *2. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.
- *3. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.



Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAMR300-(4)-MD-(6)T(7)	1,224	1,217
UAMR300-(4)-MD-(6)T(7)C	1,187	1,180
UAMR300-(4)-AD-(6)T(7)	1,253	1,246
UAMR300-(4)-AD-(6)T(7)C	1,216	1,209

Pressure Sensor with 1 switch output + analog output: "2", Pressure Sensor with 2 switch outputs: "3"

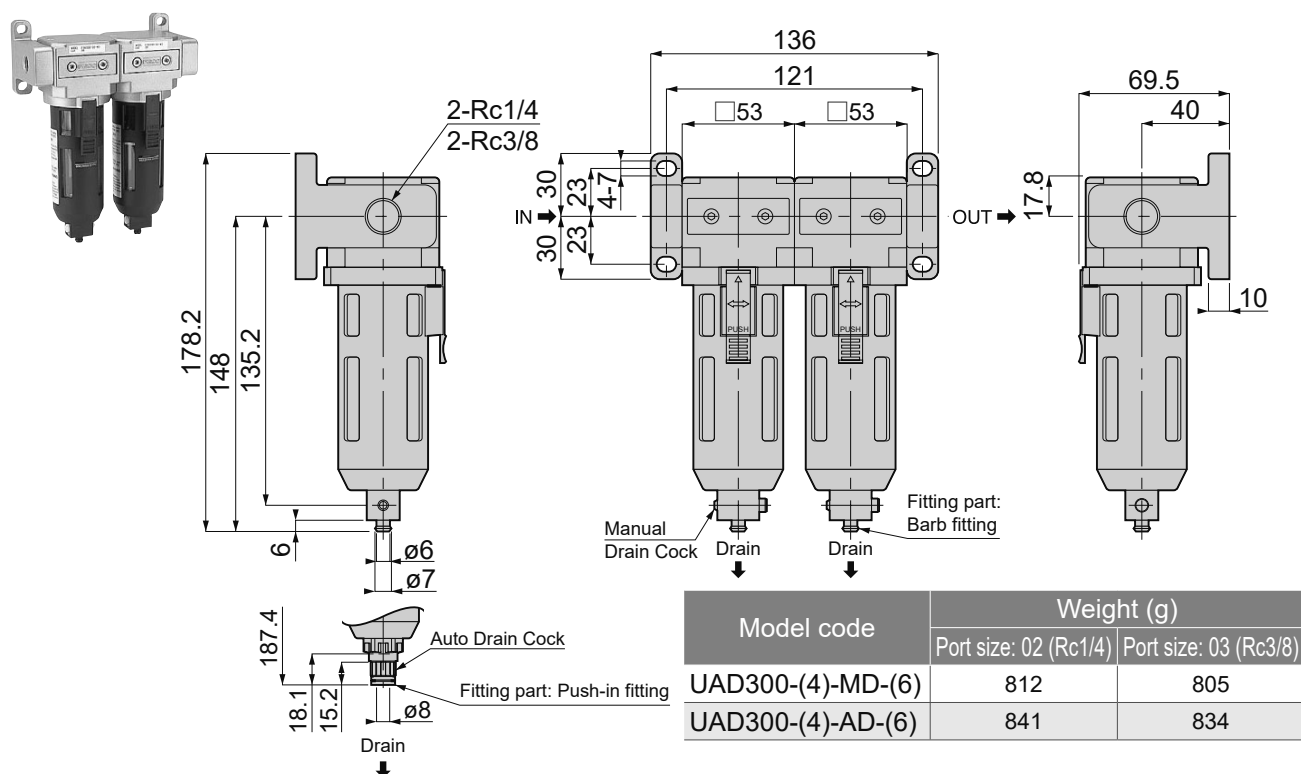
● For pressure indication code: T4, T5

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAMR300-(4)-MD-(6)T(7)	1,231	1,224
UAMR300-(4)-AD-(6)T(7)	1,260	1,253

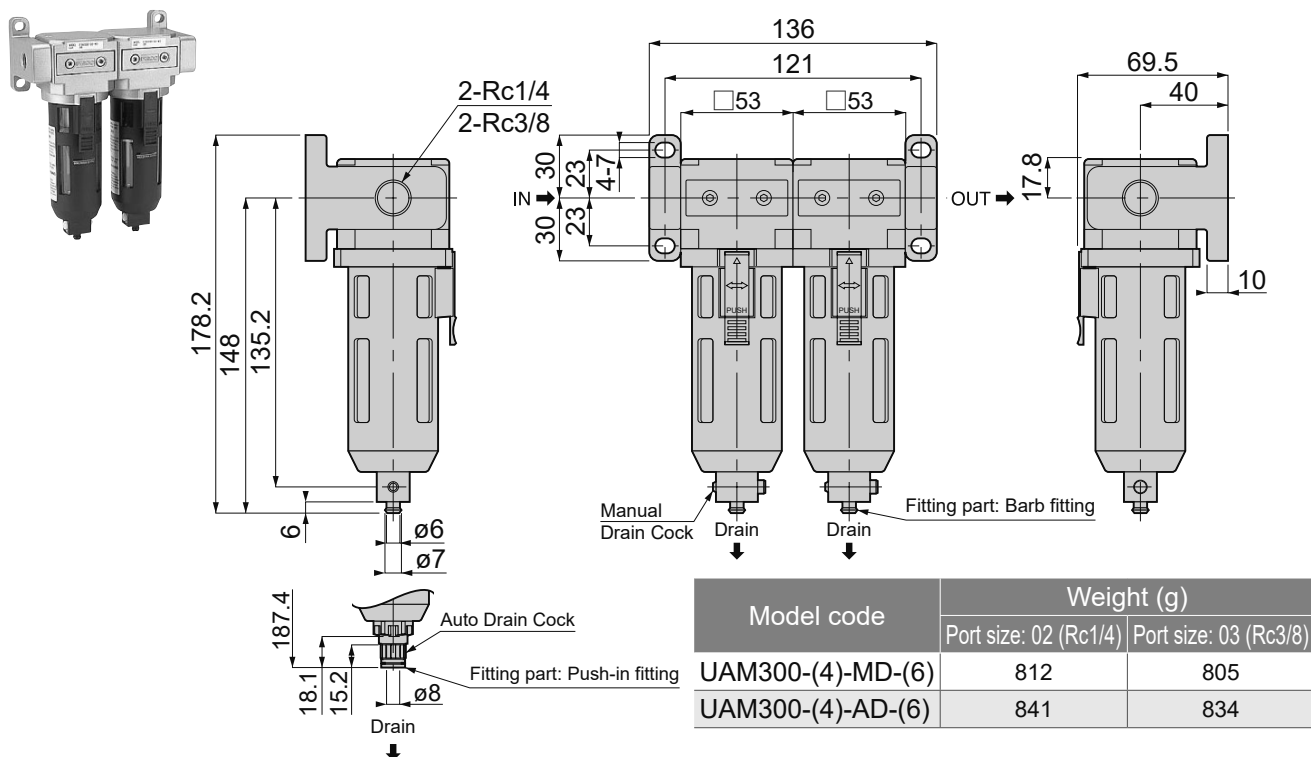
Pressure Sensor with NPN output, 2 switch outputs + copy function: "5", Pressure Sensor with PNP output, 2 switch outputs + copy function: "5P"

*3. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.

UAD Air Filter, Mist Filter



UAM Air Filter, Micromist Filter



Common Notes for This Page

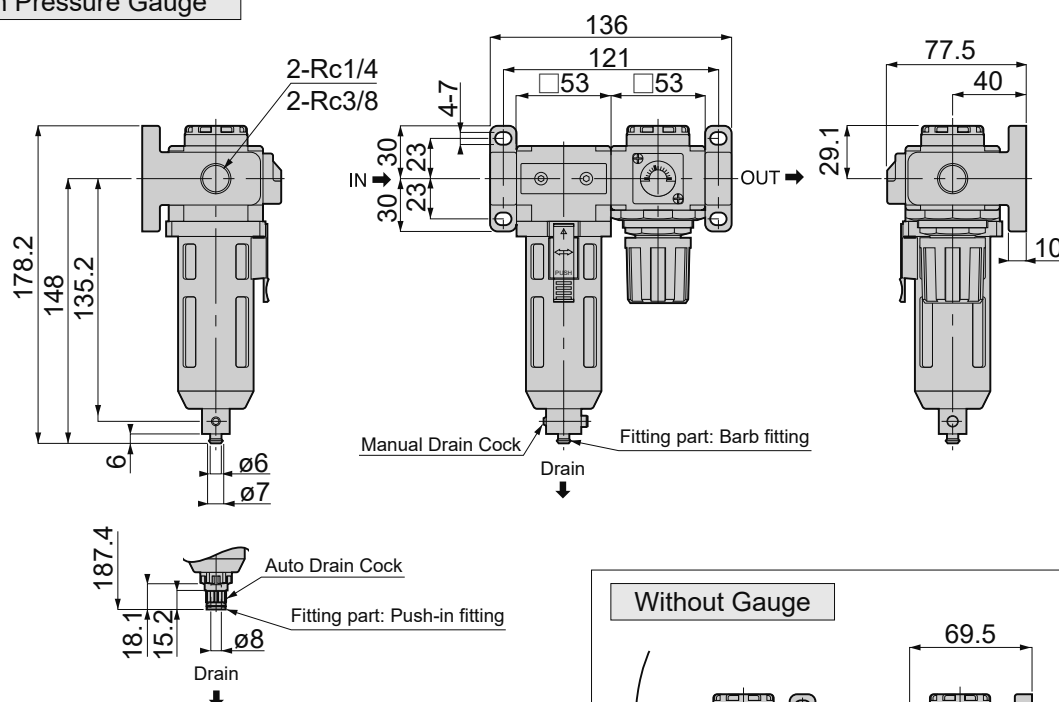
*1. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.

*2. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.

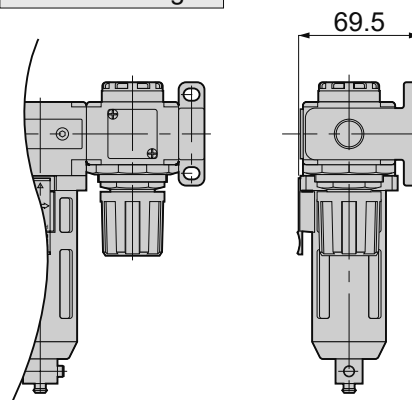
UAR Air Filter, Regulator with Pressure Gauge



With Pressure Gauge



Without Gauge



With Pressure Gauge

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAR300-(4)-MD-(6)	833	826
UAR300-(4)-AD-(6)	848	841

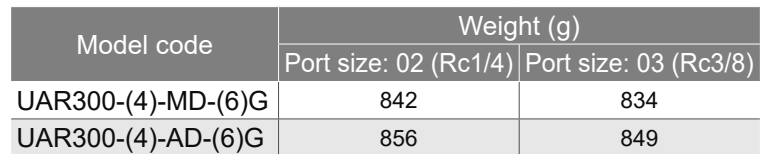
Without Gauge

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAR300-(4)-MD-(6)L	796	789
UAR300-(4)-AD-(6)L	811	804

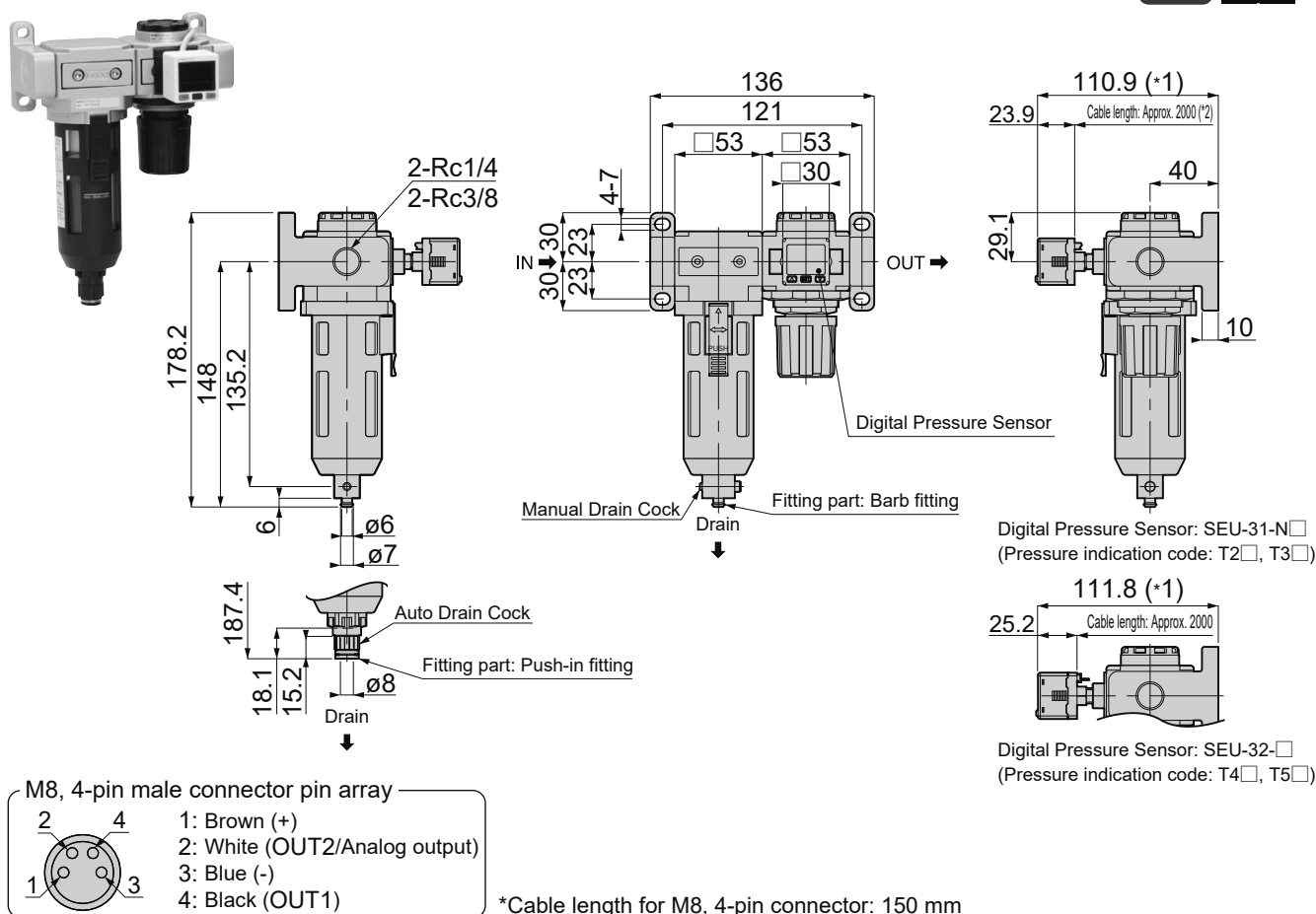
Common Notes for This Page

*1. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.

*2. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.



*3. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.



● For pressure indication code: T2, T3

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAR300-(4)-MD-(6)T(7)	878	870
UAR300-(4)-MD-(6)T(7)C	841	833
UAR300-(4)-AD-(6)T(7)	892	885
UAR300-(4)-AD-(6)T(7)C	855	848

*For (7) in the model code, select the pressure indication from below.

Pressure Sensor with 1 switch output + analog output: "2", Pressure Sensor with 2 switch outputs: "3"

● For pressure indication code: T4, T5

Model code	Weight (g)	
	Port size: 02 (Rc1/4)	Port size: 03 (Rc3/8)
UAR300-(4)-MD-(6)T(7)	885	877
UAR300-(4)-AD-(6)T(7)	899	891

*For (7) in the model code, select the desired pressure indication from below.

Pressure Sensor with NPN output, 2 switch outputs + analog output: "4"

Pressure Sensor with PNP output, 2 switch outputs + analog output: "4P"

Pressure Sensor with NPN output, 2 switch outputs + copy function: "5"

Pressure Sensor with PNP output, 2 switch outputs + copy function: "5P"

Common Notes for This Page

*1. Reference dimension.

*2. For (4) in the model code, fill in "02" for Rc1/4 port size or "03" for Rc3/8 port size.

*3. For (6) in the model code, leave it blank for left-to-right flow direction and fill in "R" for right-to-left flow direction.