STNC®

LF Series Filter

Character

The filter can filter out the dirt, pipe scale, rust and condensation.
It's used for special occasions, 5μm filter element can be easily replaced of 40μm standard filter element.

Graphics Sign

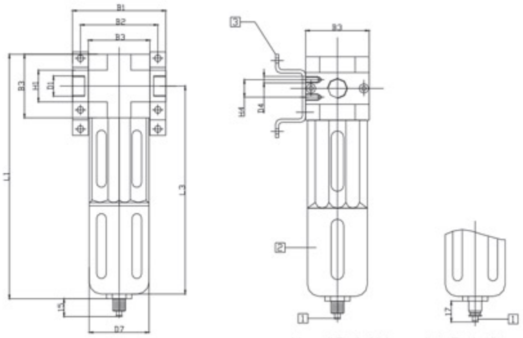
Ordering Code

LF — 08 — [ ]

Pipe size
06：G1／8
08：G1／4
10：G3／8
15：G1／2
20：G3／4
25：G1

D:Auto drain

Figure Dimension



Manual Drain Valve

Auto Drain Valve

Type	B1	B2	B3	D1	D4	D7	H1	H4	L1	L3
LF—06	64	52	40	G1／8	M4	38	20	11	145	120
LF—08	64	52	40	G1／4	M4	38	20	11	145	120
LF—10	70	70	55	G3／8	M5	52	32	22	172	147
LF—15	85	70	55	G1／2	M5	52	32	22	172	147
LF—20	96	80	66	G3／4	M5	65	32	22	203	165
LF—25	136	91	66	G1	M5	65	40	22	203	165

Technical Parameter

Order	Type						
Filter element	Manual Drain Valve	LF-06	LF-08	LF-10	LF-15	LF-20	LF-25
	Auto Drain Valve	LF-06-D	LF-08-D	LF-10-D	LF-15-D	LF-20-D	LF-25-D
Applicable Medium		Air					
Applicable Medium		Sintered with water separator filter；					
Structural features		G1／8	G1／4	G3／8	G1／2	G3／4	G1
Connection size Standard nominal flow rate	LF-...-D-...(-A)	1000	1200	2700	3000	3800	4000
	LF-...-D-5M...(-A)	600	950	1800	1900	3600	3800
Working pressure	Manual Drain Valve	Max 1.6MPa					
	Auto Drain Valve	0.15 ～ 1.2MPa					
Filtration		40um／5 um					
Max limeset capacity		22ml		43ml		80ml	
Medium Temperature		0 ～ +60°C					

LR Series Regulator

Character

Even if the input pressure and compressed air consumption make system fluctuation, regulator can ensure its working pressure very stable. If there is no air consumption, automatic exhaust of the regulator can also make system working pressure stable.

Ordering Code

LR — 08 — ☐

Pipe size
06:G1/8
08:G1/4
10:G3/8
15:G1/2
20:G3/4
25:G1

Pressure:
standard : 1.2MPa
7 :0.7MPa

Graphics Sign

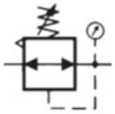
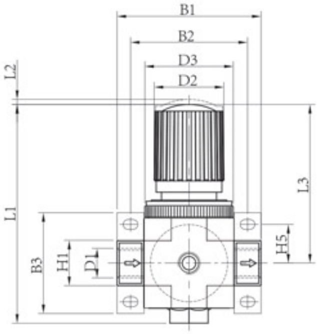
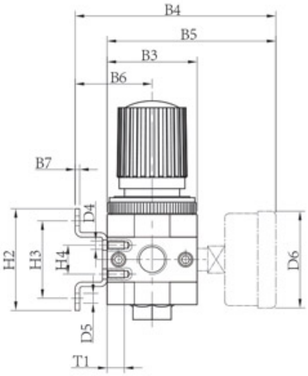


Figure Dimension





Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D6	H1	H4	L1	L3	L4
LR–06	64	52	40	96	77	G1/8	31	M36×1.5	M4	39	20	11	197	69	3
LR–08	64	52	40	96	77	G1/4	31	M36×1.5	M4	39	20	11	97	69	3
LR–10	70	70	55	113	94	G3/8	50	M52×1.5	M5	50	32	22	132.5	98	5
LR–15	85	70	55	113	94	G1/2	50	M52×1.5	M5	50	32	22	132.5	98	5
LR–20	96	80	66	126	105	G3/4	49	M52×1.5	M5	50	32	22	145	105	5
LR–25	136	91	66	126	105	G1	49	M52×1.5	M5	50	40	22	145	105	5

LR Series Regulator

Technical Parameter

Order	Type						
Regulator	Working pressure 1.2MPa	LR-06	LR-08	LR-10	LR-15	LR-20	LR-25
	Working pressure 0.7MPa	LR-06-7	LR-08-7	LR-10-7	LR-15-7	LR-20-7	LR-25-7
Pressure gauge	use for 0 ~ 1.2MPa FR.L	Y40–16–1/8		Y50–16–1/4			
	use for 0 ~ 0.7MPa FR.L	Y40–10–1/8		Y50–10–1/4			
Applicable Medium		Air					
Structural features		Diaphragm valve					
Connection size		G1/8	G1/4	G3/8	G1/2	G3/4	G1
Standard rated flow	LR-...-...	800	1500	3200	3500	3800	4000
	LR-...-7...	1000	1200	3300	4000	5000	5200
Input pressure		0.1 ~ 1.6MPa					
Working pressure		0.05 ~ 1.2MPa/0.05 ~ 0.7MPa					
Medium Temperature		−10 ~ +60℃					

Mounting bracket
only used for FRL and
LFR type

Mounting bracket
type: LR or LFR

LFR series Filter regulator

Character

Filter and regulator combine into a single device.The filter can filter out the dirt, pipe scale, rust and condensation. It's used for special occasions, 5μm filter element can be easily replaced of 40μm standard filter element.

Ordering Code

LFR — 08 — ☐ — ☐

Pipe size
06:G1/8
08:G1/4
10:G3/8
15:G1/2
20:G3/4
25:G1

D:Auto drain

Pressure:
standard : 1.2MPa
7 :0.7MPa

Graphics Sign

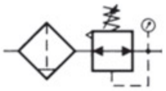
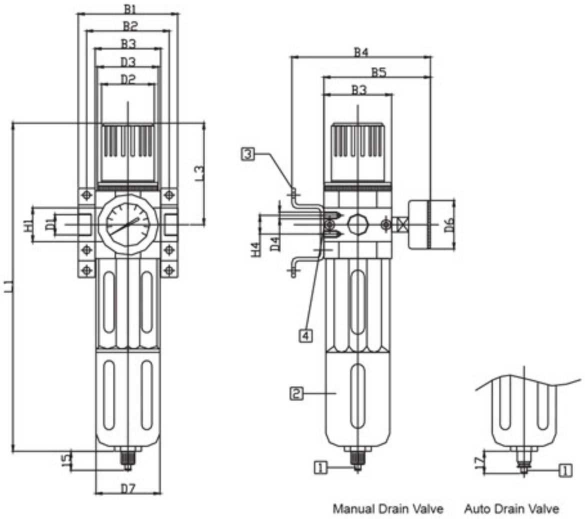


Figure Dimension



Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D6	D7	H1	H4	L1	L3
LFR–06	64	52	40	96	77	G1/8	31	M36×1.5	M4	39	38	20	11	194	69
LFR–08	64	52	40	96	77	G1/4	31	M36×1.5	M4	39	38	20	11	194	69
LFR–10	70	70	55	113	94	G3/8	50	M52×1.5	M5	50	52	32	22	250	98
LFR–15	85	70	55	113	94	G1/2	50	M52×1.5	M5	50	52	32	22	250	98
LFR–20	96	80	66	126	105	G3/4	49	M52×1.5	M5	50	65	32	22	275	105
LFR–25	136	91	66	126	105	G1	49	M52×1.5	M5	50	65	40	22	275	105

LFR series Filter regulator

Technical Parameter

Order	Type						
Working pressure 12 bar Filter element	Manual Drain Valve	LFR-06	LFR-08	LFR-10	LFR-15	LFR-20	LFR-25
	Auto Drain Valve	LFR-06-D	LFR-08-D	LFR-10-D	LFR-15-D	LFR-20-D	LFR-25-D
Working pressure 7 bar Filter element	Manual Drain Valve	LFR-06-7	LFR-08-7	LFR-10-7	LFR-15-7	LFR-20-7	LFR-25-7
	Auto Drain Valve	LFR-06-D-7	LFR-08-D-7	LFR-10-D-7	LFR-15-D-7	LFR-20-D-7	LFR-25-D-7
Pressure gauge	Use for 0 ～ 12 bar FRL	Y40—16—1/8		Y50—161/4			
	Use for 0 ～ 7 bar FRL	Y40—10—1/8		Y50—10—1/4			
Applicable Medium		Air					
Structural features		Sintered with water separator filter：MINI/MIDI/MAXI；Diaphragm valve					
Connection size		G1/8	G1/4	G3/8	G1/2	G3/4	G1
Standard nominal flow rate	LFR-...-D-...	750	1400	3100	3400	3600	4000
	LFR-...-D-7...	900	1500	3400	3900	5000	5200
Input pressure	Manual Drain Valve	0.1 ～ 1.6bar					
	Auto Drain Valve	0.15 ～ 1.2bar					
Working pressure		0.05 ～ 1.2 bar/0.05 ～ 07 bar					
Filtration		40um/5 um					
Max limeset capacity		22ml		43ml		80ml	
Medium Temperature		0 ～ +60℃					

LOE Lubricator

Character

Automatic variable throttle lubricator can be evenly sprayer to compressed air. A regulator ensures oil mist is proportional to compressed air flow. Compressed air gets through the venturi nozzle can make pressure drop, forcing the oil from the oil cup into oil window, with the compressed air come into the output port, while being atomized simultaneously. During working it can be constantly air refueling. Oil drop is adjusted by adjustable screws, usually every 1000L of air containing 1 to 12 drops is sufficient.

Graphics Sign

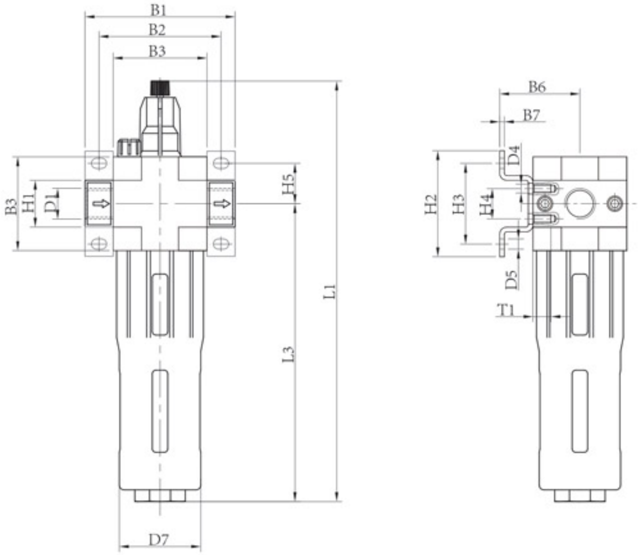
Ordering Code

LOE — 08

Pipe size

06:G1/8
08:G1/4
10:G3/8
15:G1/2
20:G3/4
25:G1

Figure Dimension



Type	B1	B2	B3	D1	D4	D7	H1	H4	L1	L3
LOE–06	64	52	40	G1/8	M4	38	20	11	170	125
LOE–08	64	52	40	G1/4	M4	38	20	11	170	125
LOE–10	70	70	55	G3/8	M5	52	32	22	205	160
LOE–15	85	70	55	G1/2	M5	52	32	22	205	160
LOE–20	96	80	66	G3/4	M5	65	32	22	228	170
LOE–25	136	91	66	G1	M5	65	40	22	228	170

LOE Lubricator

Technical Parameter

Lubricator	LOE-06	LOE-08	LOE-10	LOE-15	LOE-20	LOE-25
Working medium	filter compressed air，(lubricated or unlubricated)					
Connection Size	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Standard rated flow	1000	1200	3300	4000	5000	5200
Max Working pressure	1.6MPa					
Max oil storage	45ml		110ml		110ml	
Temperature range	0 ~ +60°C					
Drain Holding Capacity	3L/min		6L/min		6L/min	
Recommended Lubricating Oil	ISOVG32					

LFC Series treatment Triplet

Character

LFC triplet type is composed of filter regulator LFR and lubricator LOE.
These parts can be ordered separately.
Water division filter can filtrate filth, pipe scale, rust and condensate water of the above air. As for special application, 5um filter element can be easily changed into 40um standard filter element.

Ordering Code

LFC — 08 — ☐ — ☐

Pipe size
06:G1/8
08:G1/4
10:G3/8
15:G1/2
20:G3/4
25:G1

D:Auto drain

Pressure:
standard : 1.2MPa
7 :0.7MPa

Graphics Sign

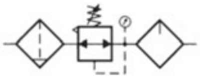
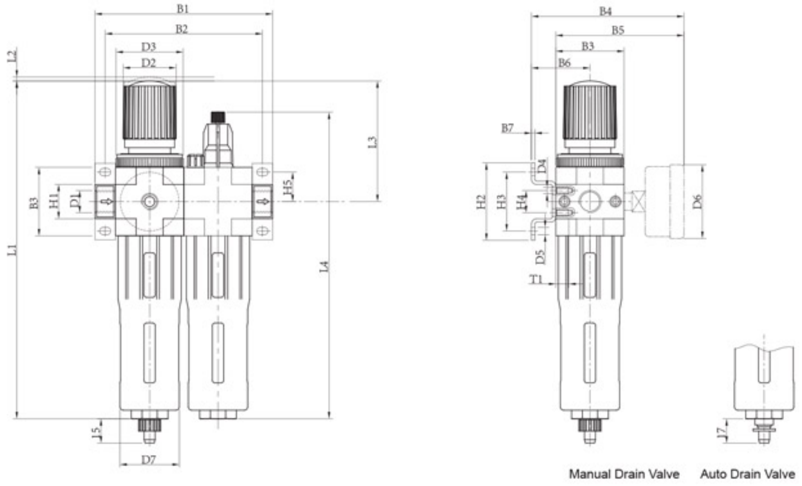


Figure Dimension



Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D6	D7	H1	H4	L1	L3	L4
LFC—06	104	92	40	96	77	G1/8	31	M36x1.5	M4	39	38	20	11	194	69	169
LFC—08	104	92	40	96	77	G1/4	31	M36x1.5	M4	39	38	20	11	194	69	169
LFC-10	110	125	55	113	94	G3/8	50	M52x1.5	M5	50	52	32	22	250	98	204
LFC-15	140	125	55	113	94	G1/2	50	M52x1.5	M5	50	52	32	22	250	98	204
LFC—20	162	146	66	126	105	G3/4	49	M52×1.5	M5	50	65	32	22	275	105	228
LFC-25	182	157	66	126	105	G1	49	M52×1.5	M5	50	65	40	22	275	105	228

LFC Series treatment Triplet

Technical Parameter

Order	Type						
Working pressure 12 bar	Manual Drain Valve	LFC-06	LFC-08	LFC-10	LFC-15	LFC-20	LFC-25
Filter element	Auto Drain Valve	LFC-06-D	LFC-08-D	LFC-10-D	LFC-15-D	LFC-20-D	LFC-25-D
Working pressure 7 bar	Manual Drain Valve	LFC-06-7	LFC-08-7	LFC-10-7	LFC-15-7	LFC-20-7	LFC-25-7
Filter element	Auto Drain Valve	LFC-06-D-7	LFC-08-D-7	LFC-10-D-7	LFC-15-D-7	LFC-20-D-7	LFC-25-D-7
Pressure gauge	Use for 0 ~ 12 bar FRL	Y40—16—1/8		Y50—161/4			
	Use for 0 ~ 7 bar FRL	Y40—10—1/8		Y50—10—1/4			
Applicable Medium		Air					
Structural features		Sintered with water separator filter:MINI/MIDI:Diaphragm valve ; MAXI:Piston valve					
Connection size		G1/8	G1/4	G3/8	G1/2	G3/4	G1
Standard nominal flow rate	LFC-...-D-...	750	1400	3100	3400	3600	3800
	LFC-...-D-7...	900	1500	3400	3900	5000	5200
Input pressure	Manual Drain Valve	0.1 ~ 1.6bar					
	Auto Drain Valve	0.15 ~ 1.2bar					
Working pressure		0.05 ~ 1.2 bar/0.05 ~ 07 bar					
Filtration		40um/5 um					
Max limeset capacity		22ml		43ml		80ml	
Medium Temperature		0 ~ +60°C					

LC series pneumatic FRL

Character

LC-...type triplet is combined with LFR-...type filter regulator and LOE-...lubricator. These components can be ordered separately. Filter can clear the impurity, rust and condensate water in the air. There's also 5μm standard filter element for choose in special application.

Ordering Code

LC — 08 — ☐ — ☐

Pipe size
06:G1/8
08:G1/4
10:G3/8
15:G1/2
20:G3/4
25:G1

D:Auto drain

Pressure:
standard : 1.2MPa
7 :0.7MPa

Graphics Sign

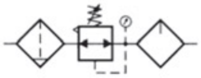
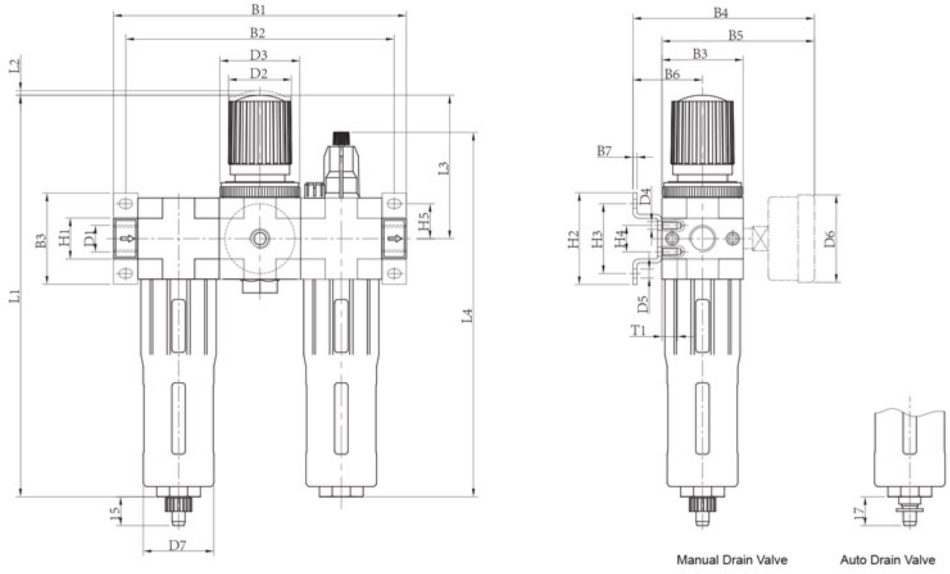


Figure Dimension



Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D6	D7	H1	H4	L1	L3	L4
LC–06	144	132	40	96	77	G1/8	31	M36x1.5	M4	39	38	20	11	194	69	169
LC–08	144	132	40	96	77	G1/4	31	M36x1.5	M4	39	38	20	11	194	69	169
LC–10	195	180	55	113	94	G3/8	50	M52x1.5	M5	50	52	32	22	250	98	204
LC–15	195	180	55	113	94	G1/2	50	M52x1.5	M5	50	52	32	22	250	98	204
LC–20	228	212	66	126	105	G3/4	49	M52×1.5	M5	50	65	32	22	275	105	228
LC–25	248	223	66	126	105	G1	49	M52×1.5	M5	50	65	40	22	275	105	228

Technical Parameter

Order	Type						
Working pressure 12 bar Filter element	Manual Drain Valve	LC-06	LC-08	LC-10	LC-15	LC-20	LC-25
	Auto Drain Valve	LC-06-D	LC-08-D	LC-10-D	LC-15-D	LC-20-D	LC-25-D
Working pressure 7 bar Filter element	Manual Drain Valve	LC-06-7	LC-08-7	LC-10-7	LC-15-7	LC-20-7	LC-25-7
	Auto Drain Valve	LC-06-D-7	LC-08-D-7	LC-10-D-7	LC-15-D-7	LC-20-D-7	LC-25-D-7
Pressure gauge	Use for 0 ～ 12 bar FRL	Y40—16—1／8		Y50—161／4			
	Use for 0 ～ 7 bar FRL	Y40—10—1／8		Y50—10—1／4			
Applicable Medium		Air					
Structural features		MINI／MIDI：Diaphragm valve；					
Connection size		G1／8	G1／4	G3／8	G1／2	G3／4	G1
Standard nominal flow rate	LC-...-D-...	750	1400	3100	3400	3600	3800
	LC-...-D-7...	900	1500	3400	3900	5000	5200
Input pressure	Manual Drain Valve	0．1 ～ 1．6bar					
	Auto Drain Valve	0．15 ～ 1．2bar					
Working pressure		0．05 ～ 1．2 bar／0．05 ～ 07 bar					
Filtration		40um／5 um					
Max limeset capacity		22ml		43ml		80ml	
Medium Temperature		0 ～ +60°C					

STNC®

GR Series Regulator

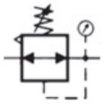
Ordering Code

GR — 2000

Series: GR

Type
1500
2000
3000
4000

Graphics Sign



GR1500

GR2000

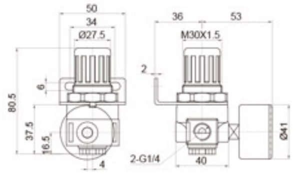
GR3000

Technical Parameter

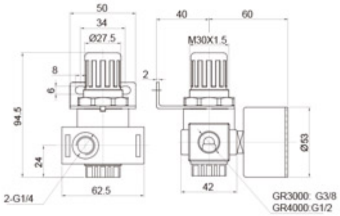
Specification	GR1500	GR2000	GR3000	GR4000
Applicable Medium	Air			
Pipe Size	G1/8	G1/4	G3/8	G1/2
Applicable Pressure Range	0.05 ~ 0.9MPa			
Medium Temperaature	0 ~ 60°C			
Type of Valve	Relief Type			
Gauge Port Size	G1/8		G1/4	

Figure Dimension

GR2000



GR3000



GFR Series Filter

Ordering Code

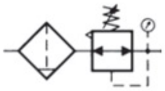
GFR 2000 U

Series: GFR

Type
1500
2000
3000
4000

Iron Shell
No Mark:
1500 ~ 2000 No Shell
3000 ~ 4000 With Shell
U:1500 ~ 2000 With Shell

Graphics Sign



GFR2000

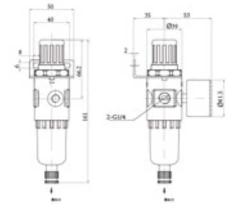
GFR3000

Technical Parameter

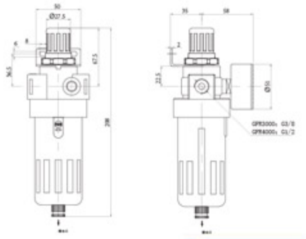
Specification	GFR1500	GFR2000	GFR3000	GFR4000
Applicable Medium	Air			
Pipe Size	G1/8	G1/4	G3/8	G1/2
Filtration	5 µm ~ 40 µm			
Applicable Pressure Range	0.05 ~ 0.9MPa			
Medium Temperature	0 ~ 60°C			
Gauge Port Size	G1/8		G1/4	
Drain Holding Capacity	15cm³		60cm³	

Figure Dimension

GFR2000



GFR3000



GF Series Filter

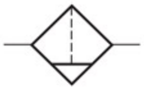
Ordering Code

GF — Series

2000 — Typr
1500
2000
3000
4000

U — Iron Shell
No Mark：
1500 ～ 2000 No Shell
3000 ～ 4000 With Shell
U：1500 ～ 2000 With Shell

Graphics Sign



GF2000

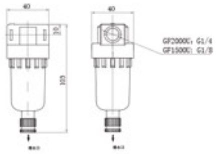
GF3000

Technical Parameter

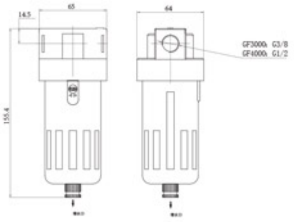
Specification	GF1500	GF2000	GF3000	GF4000
Applicable Medium	Air			
Pipe Size	G1／8	G1／4	G3／8	G1／2
Filtration	5 μm ～ 40 μm			
Applicable Pressure Range	0．05 ～ 0．9MPa			
Medium Temperaature	0 ～ 60°C			
Drain Holding Capacity	$15cm^3$		$60cm^3$	

Figure Dimension

GF2000



GF3000 GF4000



GL Series Oil Sprayer

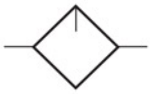
Ordering Code

GL — Series

2000 — Typr
1500
2000
3000
4000

U — Iron Shell
No Mark：
1500 ～ 2000 No Shell
3000 ～ 4000 With Shell
U：1500 ～ 2000 With Shell

Graphics Sign



GL2000

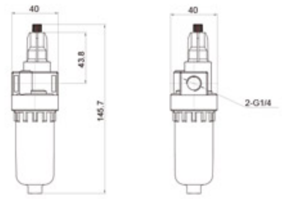
GL3000

Technical Parameter

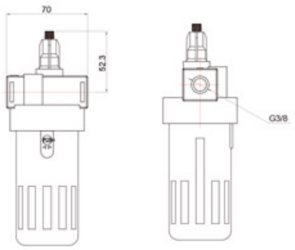
Specification	GL1500	GL2000	GL3000	GL4000
Pipe Size	Air			
Max Pressure	G1／8	G1／4	G3／8	G1／2
Recommended Lubricating Oil	ISOVG32 or Equivalent			
Applicable Medium	0．9MPa			
Medium Temperature	0 ～ 60°C			
Drain Holding Capacity	$25cm^3$		$90cm^3$	

Figure Dimension

GL2000



GL3000



GFC Series Treatment Dyad

GFC2000

GFC3000

Ordering Code

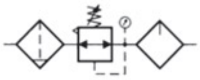
GFC　2000　U

Series

Type
1500
2000
3000
4000

Iron Shell
No Mark：
1500 ～ 2000 No Shell
3000 ～ 4000 With Shell
U：1500 ～ 2000 With Shell

Graphics Sign

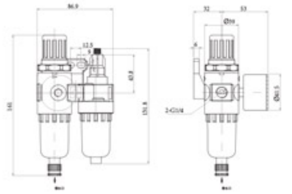


Technical Parameter

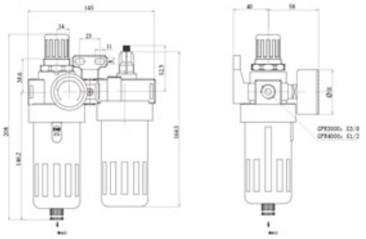
Specification		GFC1500	GFC2000	GFC3000	GFC4000
Applicable Medium		Air			
Pipe Size		G1/8	G1/4	G3/8	G1/2
Filtration		5 μm ～ 40 μm			
Applicable Pressure Range		0.05 ～ 0.9MPa			
Medium Temperature		0 ～ 60°C			
Recommended Lubricating Oil		ISOVG32 or Equivalent			
Type of Valve		Relief Type			
Gauge Port Size		G1/8		G1/4	
Components	Filter Regulator	GFR1500	GFR2000	GFR3000	GFR4000
	Air Lubricator	GL1500	GL2000	GL3000	GL4000

Figure Dimension

GFC2000



GFC3000



GC Series Treatment Triplet

GC2000

GC3000

Ordering Code

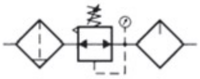
GC　2000　U

Series

Type
1500
2000
3000
4000

Iron Shell
No Mark：
1500 ～ 2000 No Shell
3000 ～ 4000 With Shell
U：1500 ～ 2000 With Shell

Graphics Sign

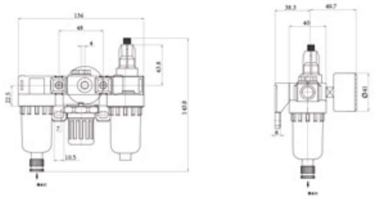


Technical Parameter

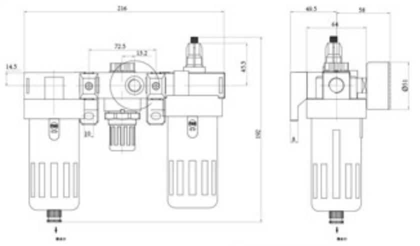
Specification		GC1500	GC2000	GC3000	GC4000
Applicable Medium		Air			
Pipe Size		G1/8	G1/4	G3/8	G1/2
Filtration		5 μm ～ 40 μm			
Applicable Pressure Range		0.05 ～ 0.9MPa			
Medium Temperature		0 ～ 60°C			
Recommended Lubricating Oil		ISOVG32 or Equivalent			
Type of Valve		Relief Type			
Gauge Port Size		G1/8		G1/4	
Components	Air Filter	GF1500	GF2000	GF3000	GF4000
	Air Regulator	GR1500	GR2000	GR3000	GR4000
	Air Lubricator	GL1500	GL2000	GL3000	GL4000

Figure Dimension

GC2000



GC3000



STNC®

TF Series Filter—Besic

TF2000—02

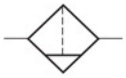
TF4000—04

It is mainly used for cleaning and effectively eliminates various impurities in the compressed air from compressors with automatic discharge structure, long service life, higher safety. There are multiple specifications for your choice.

Ordering Code

TF	2000	02	U
Series	Type	Pipe size	Iron Shell
	1000	M5	No Mark :
	2000	01 : G1/8	2000 No Iron Shell
	3000	02 : G1/4	3000 ~ 5000 With Iron Shell
	4000	03 : G3/8	U:2000 With Iron Shell
	5000	04 : G1/2	
		06 : G3/4	
		10 : G1	

Graphics Sign

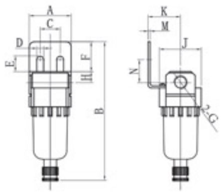


Technical Parameter

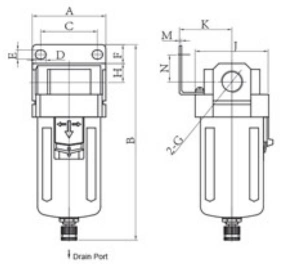
Specification	TF1000—M5	TF2000—02/01	TF3000—03/02	TF4000—04/03	TF4000—06	TF5000—10/06
Applicable Medium	Air					
Rating Flow(L/min)	110	750	1500	4000	6000	7000
Filtration	5 μm ~ 40 μm					
Applicable Pressure Range	0.05~1.0MPa					
Medium Temperature	0 ~ 60°C					
Drain Holding Capacity	4cm³	15cm³	20cm³	45cm³		130cm³

Figure Dimension

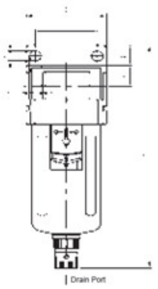
TF1000—M5
TF2000—02/01



TF3000—03/02 TF4000—04/03
TF4000—06 TF4000—10/06



TF5000—10/06



Type	A	B	C	D	E	F	G	H	J	K	M	N
TF1000—M5	25	73	28	6.5	4.5	10	M5	7	27	25	2	14
TF2000—02/01	40	150	19	6.5	16.5	24	G1/4	11	40	30	2.3	22
TF3000—03/02	53	146	40	8	6.5	17	G3/8	14	53	41	2.3	23
TF4000—04/03	70	182	54	10	8.5	18	G1/2	18	70	50	2.3	26
TF4000—06	70	182	54	10	8.5	18	G3/4	18	70	50	2.3	30
TF5000—10/06	90	244	66	13	11	23	G1	22	90	65	3.2	38

TF Series Filter—Automatic drain type


● TF2000—02D


● TF3000—03D


● TF4000—04D

● Character

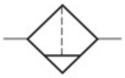
Standard auto drain design, compact structure, convenient assembling. It can clear the water in cup without manually

● Ordering Code

TF 2000 — 02 D

TF	2000	02	D
Series	Type 2000 3000 4000 5000	Pipe size 01 : G1/8 02 : G1/4 03 : G3/8 04 : G1/2 06 : G3/4 10 : G1	D : Automatic drain type

■ Graphics Sign

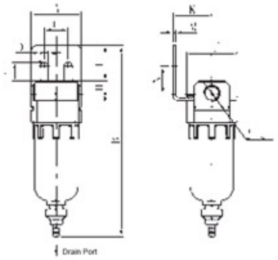


■ Technical Parameter

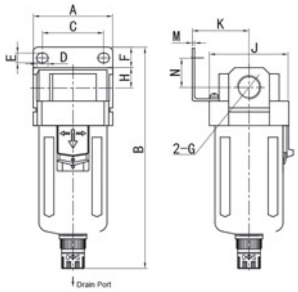
Specification	TF2000—02D/01D	TF3000—03D/02D	TF4000—04D/03D	TF4000—06D	TF5000—10D/06D
Applicable Medium	Air				
Rating Flow(L/min)	750	1500	4000	6000	7000
Filtration	5 μm ~ 40 μm				
Applicable Pressure Range	0.15 ~ 0.85MPa				
Medium Temperature	0 ~ 60℃				
Drain Holding Capacity	15cm^3	20cm^3	45cm^3		130cm^3

■ Figure Dimension

● TF2000—02/01



● TF3000—03D/02D TF4000—04D/03D
TF4000—06D TF4000—10D06D



Type	A	B	C	D	E	F	G	H	J	K	M	N
TF2000—02D/01D	40	170	19	6.5	16.5	28	G1/4	11	40	30	2.3	22
TF3000—03D/02D	53	166	40	8	6.5	17	G3/8	14	53	41	2.3	23
TF4000—04D/03D	70	206	54	10	8.5	18	G1/2	18	70	50	2.3	26
TF4000—06D	70	206	54	10	8.5	18	G3/4	18	70	50	2.3	30
TF5000—10D/06D	90	280	66	13	11	23	G1	22	90	65	3.2	38

TF Series Filter—Metal cups type

- TF2000—02M
- TF2000—02DM

- TF3000—03M
- TF3000—03DM

- TF4000—04M
- TF4000—04DM

Character

Metal cup is of metal material die—casting forming. It's reliable , durable ability and anti—explosion. Besides, it has long use life and safe use.

Ordering Code

TF　2000 — 02　M

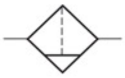
Series

Type
2000
3000
4000
5000

Pipe size
01: G1/8
02: G1/4
03: G3/8
04: G1/2
06: G3/4
10: G1

M: Metal cups
D: Automatic drain type

Graphics Sign

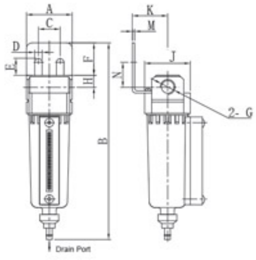


Technical Parameter

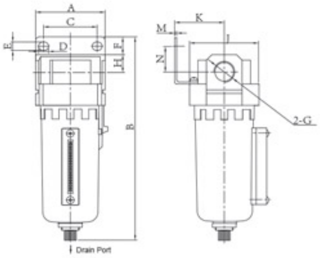
Specification	TF2000—02M/02DM/01M/01DM	TF3000—03M/03DM/02M/02DM	TF4000—04M/04DM/03M/03DM	TF4000—06M/06DM	TF5000—10M/10DM/06M/06DM
Applicable Medium	Air				
Rating Flow(L/min)	750	1500	4000	6000	7000
Filtration	5 μm ~ 40 μm				
Applicable Pressure Range	0.05 ~ 0.85MPa				
Medium Temperature	0 ~ 60°C				
Drain Holding Capacity	15cm^3	20cm^3	45cm^3		130cm^3

Figure Dimension

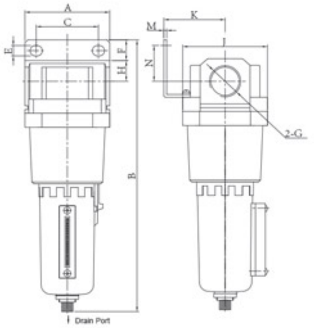
- TF2000—02M/01M



- TF3000—03M/02M
TF4000—06M/04M/03M



- TF5000—10M/06M



Type	A	B	C	D	E	F	G	H	J	K	M	N	Automatic drain
													B
TF2000—02M/02DM/01M/01DM	40	170	19	6.5	16.5	28	G1/4	11	40	30	2.3	22	153.5
TF3000—03M/03DM/02M/02DM	53	151	40	8	6.5	17	G3/8	14	53	41	2.3	23	166
TF4000—04M/04DM/03M/03DM	70	191	54	10	8.5	18	G1/2	18	70	50	2.3	26	206
TF4000—06M/06DM	70	191	54	10	8.5	18	G3/4	18	70	50	2.3	30	206
TF5000—10M/10DM/06M/06DM	90	265	66	13	11	23	G1	22	90	65	3.2	38	280

TR Series Regulator

● TR3000–03

● TR5000–10

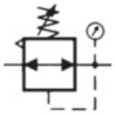
Air Regulator

It adopts balanced inlet with relief device. It has the advantages of stable pressure, high precision, quick reaction and firm lockup. It can be freely combined with other air-source treatment products.

Ordering Code

TR	2000	—	02
Series	Type 1000 2000 3000 4000 5000		Pipe size M5 01：G1/8 02：G1/4 03：G3/8 04：G1/2 06：G3/4 10：G1

Graphics Sign

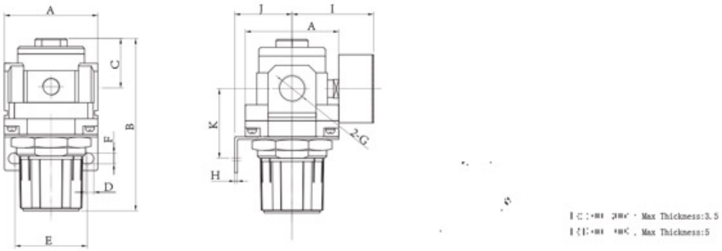


Technical Parameter

Specification	TR1000–M5	TR2000–02/01	TR3000–03/02	TR4000–04/03	TR4000–06	TR5000–10/06
Applicable Medium	Air					
Rating Flow(L/min)	100	550	2500	6000	6000	8000
Applicable Pressure Range	0.05 ~ 0.7MPa	0.05 ~ 0.85MPa				
Medium Temperature	0 ~ 60℃					
Type of Valve	Relief Type					
Gauge Port Size	G1/16	G1/8		G1/4		

Figure Dimension

● TR1000–M5　TR2000–02/01　TR3000–03/02　TR4000–04/03　TR4000–06　TR5000–10/06



Type	A	B	C	D	E	F	G	H	I	J	K	P
TR1000–M5	25	61	11	6.5	28	4.5	M5	2	26	25	30	20.5
TR2000–02/01	40	82	17	15	34	5.5	G1/4	2.3	50	31	43	33.5
TR3000–03/02	53	117	35	8	40	6.5	G3/8	2.3	56	48	50	42.5
TR4000–04/03	70	140	37	10.5	54	8.5	G1/2	2.3	61	48	54	51
TR4000–06	76	144	37	10.5	54	8.5	G3/4	2.3	70	48	54	51
TR5000–10/06	90	160	45	11	54	11	G1	3.2	71.5	48	60	51

TW Series Filter Regulator—Basic

● TW2000—02

● TW4000—04

Character

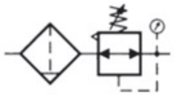
It is designed with integration of filter and regulator, with small dimension and reasonable structure. It can not only provide clean and dry air for pneumatic system, but also ensure the steady pressure of the air source.

Ordering Code

TW　2000 — 02　U

TW	2000	02	U
Series	Type 1000 2000 3000 4000 5000	Pipe size M5 01 : G1/8 02 : G1/4 03 : G3/8 04 : G1/2 06 : G3/4 10 : G1	Iron Shell No Mark : 2000 No Iron Shell 3000 ~ 5000 With Iron Shell U:2000 With Iron Shell

Ordering Code

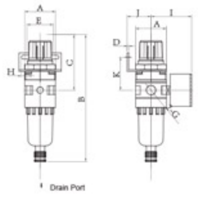


Technical Parameter

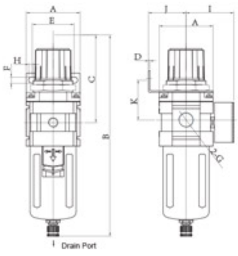
Specification	TW1000—M5	TW2000—02/01	TW3000—03/02	TW4000—04/03	TW4000—06	TW5000—10/06
Applicable Medium	Air					
Rating Flow(L/min)	100	550	2000	4000	4000	5000
Filtration	5 μm ~ 40 μm					
Applicable Pressure Range	0.05 ~ 0.7MPa	0.05 ~ 0.85MPa				
Medium Temperature	0 ~ 60℃					
Type of Valve	Relief Type					
Gauge Port Size	G1/16	G1/8		G1/4		

Figure Dimension

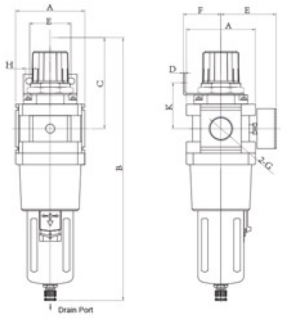
● TW1000—M5
TW2000—02/01



● TW3000—03/02　TW4000—04/03
TW4000—06



● TW5000—10/06



Type	A	B	C	D	E	F	G	H	I	J	K	N
TW1000—M5	25	115	50	2.0	28	4.5	M5	6.5	26	25	30	20.5
TW2000—02/01	40	188	72.5	2.0	34	5.5	G1/4	15	53	31	43	41.5
TW3000—03/02	53	216	89	2.0	40	6.5	G3/8	8	56	48	50	42.5
TW4000—04/03	70	260	114	2.0	54	8.5	G1/2	10.5	62	48	54	52.5
TW4000—06	75	260	114	2.0	54	8.5	G3/4	10.5	62	48	54	52.5
TW5000—10/06	90	335	118	3.0	54	8.5	G1	11	78	48	60	52.5

TW Series Filter Regulator—Automatic drain type

● TW2000—02D

● TW4000—04D

Character

Standard auto drain design, compact structure, convenient assembling. It can clear the water in cup without manually

Ordering Code

TW 2000 — 02 D

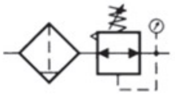
Series

Type
2000
3000
4000
5000

Pipe size
01：G1/8
02：G1/4
03：G3/8
04：G1/2
06：G3/4
10：G1

D：Automatic drain type

Graphics Sign

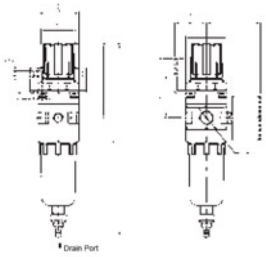


Technical Parameter

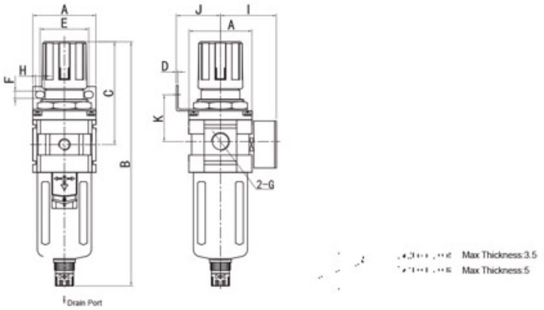
Specification	TW2000—02D/01D	TW3000—03D/02D	TW4000—04D/03D	TW4000—06D	TW5000—10D/06D
Applicable Medium	Air				
Rating Flow(L/min)	550	2000	4000	4000	5000
Filtration	5 µm ~ 40 µm				
Applicable Pressure Range	0.15 ~ 0.85MPa				
Medium Temperature	0 ~ 60℃				
Type of Valve	Relief Type				
Gauge Port Size	G1/8		G1/4		

Figure Dimension

● TW2000—02D/01D



● TW3000—03D/02D TW4000—04D/03D
TW4000—06D



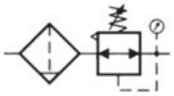
Type	A	B	C	D	E	F	G	H	I	J	K	N
TW2000—02D/01D	40	205	72.5	2.0	34	5.5	G1/4	15	53	31	43	41.5
TW3000—03D/02D	53	241	89	2.0	40	6.5	G3/8	8	56	48	50	42.5
TW4000—04D/03D	70	292	114	2.0	54	8.5	G1/2	10.5	62	48	54	52.5
TW4000—06D	75	292	114	2.0	54	8.5	G3/4	10.5	62	48	54	52.5
TW5000—10D/06D	90	370	118	3.0	54	8.5	G1	11	78	48	60	52.5

TW Series Filter Regulator—Metal Cup Type

- TW2000—02M
- TW2000—02DM

- TW4000—04M
- TW4000—04DM

Graphics Sign



Character

Metal cup is of metal material die—casting forming. It' s reliable , durable ability and anti—explosion. Besides, it has long use life and safe use.

Ordering Code

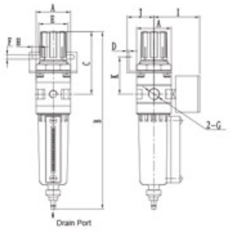
TW	2000	02	M
Series	Type	Pipe size	M:Metal cups D:Automatic drain type
	1000	01:G1/8	
	2000	02:G1/4	
	3000	03:G3/8	
	4000	04:G1/2	
	5000	06:G3/4	
		10:G1	

Technical Parameter

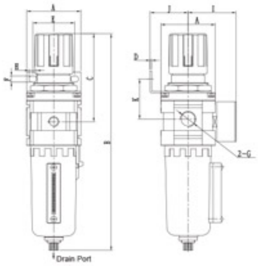
Specification	TW2000—02M/02DM/01M/01DM	TW3000—03M/03DM/02M/02DM	TW4000—04M/04DM/03M/03DM	TW4000—06M/06DM	TW5000—10M/10DM/06M/06DM
Applicable Medium	Air				
Rating Flow(L/min)	550	2000	4000	4000	5000
Filtration	5 μm ~ 40 μm				
Applicable Pressure Range	0.05 ~ 0.85MPa				
Medium Temperature	0 ~ 60°C				
Type of Valve	Relief Type				
Gauge Port Size	G1/8		G1/4		

Figure Dimension

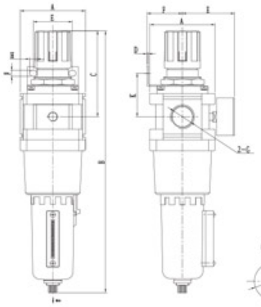
- TW2000—02M/01M



- TW3000—03M/02M
TW4000—04M/03M
TW4000—06M



- TW5000—10M/06M



TW2000-3000: Max Thickness:3.5
TW4000-5000: Max Thickness:5

Type	A	B	C	D	E	F	G	H	I	J	K	N	Automatic drain
													B
TW2000—02M/02DM/01M/01DM	40	205	72.5	2.0	34	5.5	G1/4	15	53	31	43	41.5	188
TW3000—03M/03DM/02M/02DM	53	276	89	2.0	54	6.5	G3/8	8	56	48	50	42.5	241
TW4000—04M/04DM/03M/03DM	70	277	114	2.0	54	8.5	G1/2	10.5	62	48	54	52.5	292
TW4000—06M/06DM	75	277	114	2.0	54	8.5	G3/4	10.5	62	48	54	52.5	292
TW5000—10M/10DM/06M/06DM	90	355	118	3.0	54	8.5	G1	11	78	48	60	52.5	370

TL Series Air Lubricator

TL2000–02

TL4000–04

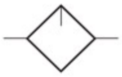
Air Lubricator

It adopts balanced inlet with relief device. With the advantages of stable pressure, high precision, quick reaction and firm lockup. can be freely combined with other air–source treatment products.

Ordering Code

TL	2000	02	U
Series	Type	Pipe size	Iron Shell
	1000	M5	No Mark :
	2000	01 : G1/8	2000 No Iron Shell
	3000	02 : G1/4	3000 ~ 5000 With Iron Shell
	4000	03 : G3/8	U:2000 With Iron Shell
	5000	04 : G1/2	
		06 : G3/4	
		10 : G1	

Graphics Sign

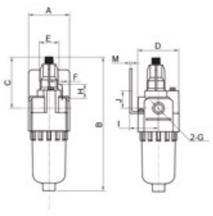


Technical Parameter

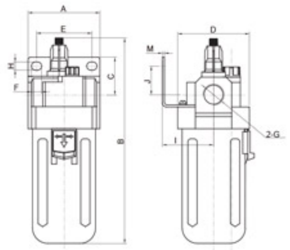
Specification	TL1000–M5	TL2000–02/01	TL3000–03/02	TL4000–04/03	TL4000–06	TL5000–10/06
Applicable Medium	Air					
Rating Flow(L/min)	95	800	1700	5000	6300	7000
Work Pressure	0.05 ~ 0.85MPa					
Medium Temperature	0 ~ 60°C					
Recommended Lubricating Oil	ISOVG32 or Equivalent					
Min. Flow For Oil Drip	4L/min	15L/min	30L/min	50L/min	50L/min	190L/min
Lubricating Oil Capacity	4cm^3	25cm^3	50cm^3	130cm^3		

Figure Dimension

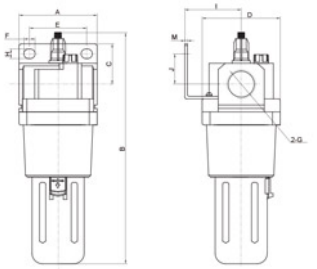
TL1000–M5
TL2000–02/01



TL3000–03/02 TL4000–04/03
TL4000–06



TL5000–10/06



Type	A	B	C	D	E	F	G	H	I	J	M
TL1000–M5	25	87	14	27	28	6.5	M5	4.5	25	14	2
TL2000–02/01	40	131	34	40	19	6.5	G1/4	16	40	17	2.3
TL3000–03/02	53	146	30	53	40	8	G3/8	6.5	56	23	2.3
TL4000–04/03	70	180	37	70	54	10.5	G1/2	8.5	50	26	2.3
TL4000–06	76	199	37	70	54	10.5	G3/4	8.5	50	26	2.3
TL5000–10/06	90	254	46	90	66	13	G1	11	65	35	3.2

TL Series Air Lubricator—Metal Cup Type

● TL2000—02M

● TL3000—03M

Character

Metal cup is of metal material die—casting forming. It' s reliable , durable ability and anti—explosion. Besides, it has long use life and safe use.

Ordering Code

TL 2000 — 02 M

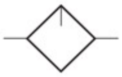
Series

Type
2000
3000
4000
5000

Pipe size
01 : G1/8
02 : G1/4
03 : G3/8
04 : G1/2
06 : G3/4
10 : G1

M:Metal cups

Graphics Sign

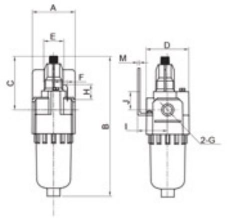


Technical Parameter

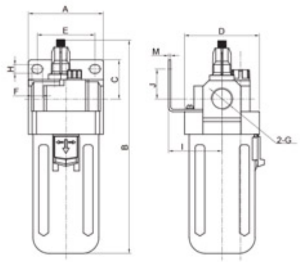
Specification	TL2000—02M/01M	TL3000—03M/02M	TL4000—04M/03M	TL4000—06M	TL5000—10M/06M
Applicable Medium	Air				
Rating Flow(L/min)	800	1700	5000	6300	7000
Work Pressure	0.05 ~ 0.85MPa				
Medium Temperature	0 ~ 60°C				
Recommended Lubricating Oil	ISOVG32 or Equivalent				
Min. Flow For Oil Drip	15L/min	30L/min	50L/min	50L/min	190L/min
Lubricating Oil Capacity	25cm^3	50cm^3	130cm^3		

Figure Dimension

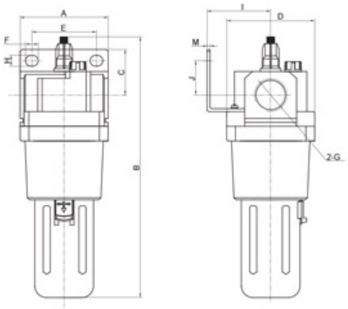
● TL2000—02M/01M



● TL3000—03M/02M TL4000—04M/03M
TL4000—06M



● TL5000—10M/06M



Type	A	B	C	D	E	F	G	H	I	J	M
TL2000—02M/01M	40	131	34	40	19	6.5	G1/4	16	40	17	2.3
TL3000—03M/02M	53	146	30	53	40	8	G3/8	6.5	56	23	2.3
TL4000—04M/03M	70	180	37	70	54	10.5	G1/2	8.5	50	26	2.3
TL4000—06M	76	199	37	70	54	10.5	G3/4	8.5	50	26	2.3
TL5000—10M/06M	90	254	46	90	66	13	G1	11	65	35	3.2

TC Series treatment Dyad—Basic

● TC2010—02

● TC4010—04

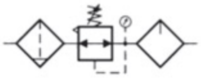
● Character

It is in standard modular design and can be separated and combined freely. With reasonable design, easy use, it can meet different requirements in pneumatic systems.

● Ordering Code

TC	2010	— 02	U
Series	Type 1010 2010 3010 4010 5010	Pipe Size M5 01 : G1/8 02 : G1/4 03 : G3/8 04 : G1/2 06 : G3/4 10 : G1	Iron Shell No Mark : 2010 No Iron Shell 3010 ~ 5010 With Iron Shell U:2010 With Iron Shell

■ Graphics Sign

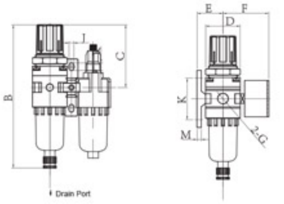


■ Technical Parameter

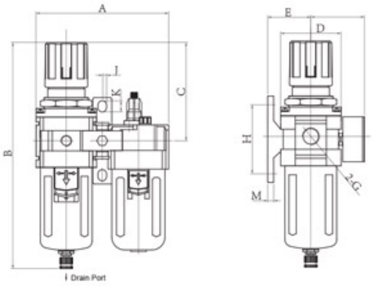
Specification		TC1010—M5	TC2010—02/01	TC3010—03/02	TC4010—04/03	TC4010—06	TC5010—10/06
Applicable Medium		Air					
Rating Flow(L/min)		90	500	1700	3000	3000	4000
Filtration		5 µm ~ 40 µm					
Applicable Pressure Range		0.05 ~ 0.7MPa	0.05 ~ 0.85MPa				
Medium Temperature		0 ~ 60°C					
Recommended Lubricating Oil		ISOVG32 or Equivalent					
Type of Valve		Relief Type					
Gauge Port Size		G1/16	G1/8		G1/4		
Components	Filter Regulator	TW1000—M5	TW2000—02/01	TW3000—03/02	TW4000—04/03	TW4000—06	TW5000—10/06
	Air Lubricator	TL1000—M5	TL2000—02/01	TL3000—03/02	TL4000—04/03	TL4000—06	TL5000—10/06

■ Figure Dimension

● TC1010—M5
TC2010—02/01



● TC3010—03/02 TC4010—04/03
TC4010—06 TC5010—10/06



Type	A	B	C	D	E	F	G	H	K	J	M
TC1010—M5	58	115	50	25	25	26	M5	40	7.5	4.5	5
TC2010—02/01	90	188	72.5	40	30	53	G1/4	48	9	5.5	6
TC3010—03/02	117	216	89	53	41	56	G3/8	70	13	7	7
TC4010—04/03	154	256	114	70	50	62	G1/2	80	11	9	7
TC4010—06	164	256	114	70	54	62	G3/4	80	13	10	7
TC5010—10/06	195	337	118	90	74.5	72	G1	103	17	13	10

TC Series treatment Dyad—Automatic drain type

TC2010—02D

TC4010—04D

Character

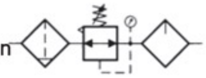
Standard auto drain design, compact structure, convenient assembling. It can clear the water in cup without manually.

Ordering Code

TC 2010 — 02 D

TC	2010	02	D
Series	Type	Pipe size	D: Automatic drain type
	2010	01: G1/8	
	3010	02: G1/4	
	4010	03: G3/8	
	5010	04: G1/2	
		06: G3/4	
		10: G1	

Graphics Sign

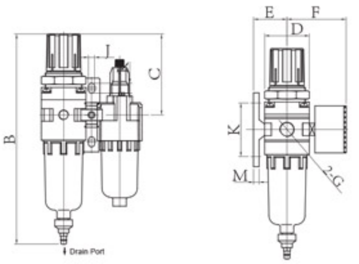


Technical Parameter

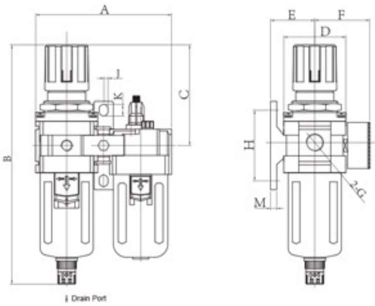
Specification		TC2010—02D/01D	TC3010—03D/02D	TC4010—04D/03D/06D	TC5010—10D/06D
Applicable Medium		Air			
Rating Flow (L/min)		500	1700	3000	4000
Filtration		5 µm ~ 40 µm			
Applicable Pressure Range		0.15 ~ 0.85MPa			
Medium Temperature		0 ~ 60℃			
Recommended Lubricating Oil		ISOVG32 or Equivalent			
Type of Valve		Relief Type			
Gauge Port Size		G1/8		G1/4	
Components	Filter Regulator	TW2000—02D/01D	TW3000—03D/02D	TW4000—04D/03D/06D	TW5000—10D/06D
	Air Lubricator	TL2000—02D/01D	TL3000—03D/02D	TL4000—04D/03D/06D	TL5000—10D/06D

Figure Dimension

TC2010—02D/01D



TC3010—03D/02D TC4010—04D/03D
TC4010—06D TC5010—10D/06D



Type	A	B	C	D	E	F	G	H	K	J	M
TC2010—02D/01D	90	205	72.5	40	30	53	G1/4	48	9	5.5	6
TC3010—03D/02D	117	241	89	53	41	56	G3/8	70	13	7	7
TC4010—04D/03D	154	292	114	70	50	62	G1/2	80	11	9	7
TC4010—06D	164	292	114	70	54	62	G3/4	80	13	10	7
TC5010—10D/06D	195	370	118	90	74.5	72	G1	103	17	13	10

TC Series treatment Dyad—Metal Cup Type

- TC2010—02M
- TC2010—02DM

- TC4010—04M
- TC4010—04DM

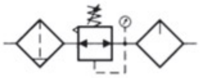
Character

Metal cup is of metal material die—casting forming. It' s reliable , durable ability and anti—explosion. Besides, it has long use life and safe use.

Ordering Code

TC	2010	— 02	M
Series	Type	Pipe size	M:Metal cups
	1010	01:G1/8	D:Automatic drain type
	2010	02:G1/4	
	3010	03:G3/8	
	4010	04:G1/2	
	5010	06:G3/4	
		10:G1	

Graphics Sign

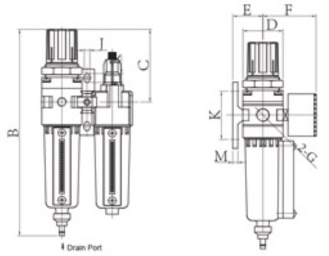


Technical Parameter

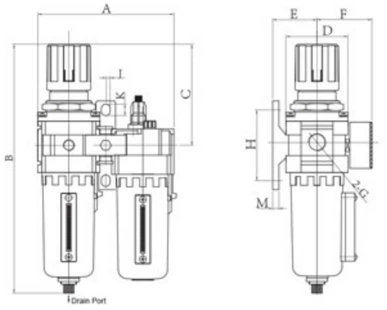
Specification		TC2010—02M/02DM/01M/01DM	TC3010—03M/03DM/02M/02DM	TC4010—04M/04DM/03M/03DM	TC4010—06M/06DM	TC5010—10M/10DM/06M/06DM
Applicable Medium		Air				
Rating Flow(L/min)		500	1700	3000	3000	4000
Filtration		5 µm ~ 40 µm				
Applicable Pressure Range		0.05 ~ 0.85MPa				
Medium Temperature		0 ~ 60°C				
Recommended Lubricating Oil		ISOVG32 or Equivalent				
Type of Valve		Relief Type				
Gauge Port Size		G1/8		G1/4		
Components		TW2000—02M/02DM/01M/01DM	TW3000—03M/03DM/02M/02DM	TW4000—04M/04DM/03M/03DM	TW000—06M/06DM	TW5000—10M/10DM/06M/06DM
		TL2000—02M/02DM/01M/01DM	TL3000—03M/03DM/02M/02DM	TL4000—04M/04DM/03M/03DM	TL4000—06M/06DM	TL5000—10M/10DM/06M/06DM

Figure Dimension

- TC2010—02M/01M



- TC3010—03M/02M TC4010—04M/03M
TC4010—06M TC5010—10M/06M



Type	A	B	C	D	E	F	G	H	K	J	M	Automatic drain
												B
TC2010—02M/02DM/01M/01DM	90	205	72.5	40	30	53	G1/4	48	9	5.5	6	205
TC3010—03M/03DM/02M/02DM	117	226	89	53	41	56	G3/8	70	13	7	7	241
TC4010—04M/04DM/03M/03DM	154	277	114	70	50	62	G1/2	80	11	9	7	292
TC4010—06M/06DM	164	277	114	70	54	62	G3/4	80	13	10	7	292
TC5010—10M/10DM/06M/06DM	195	355	118	90	74.5	72	G1	103	17	13	10	370

TC Series Treatment Triplet

TC2000-02

TC3000-03

Air Source Treatment

It is in standard modular design and can be freely separated and combined. The product is in reasonable design, simple to operate, easy to assemble and unassemble. It can meet all requirements of pneumatic system.

Ordering Code

TC 2000 — 02 U

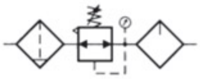
Series

Type
1000
2000
3000
4000
5000

Pipe Size
M5
01：G1/8
02：G1/4
03：G3/8
04：G1/2
06：G3/4
10：G1

Iron Shell
No Mark：
2000 No Iron Shell
3000 ～ 5000 With Iron Shell
U：2000 With Iron Shell
M：Metal cup

Graphics Sign

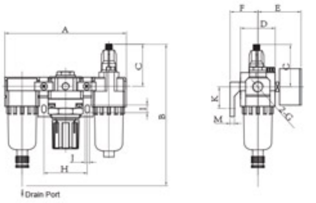


Technical Parameter

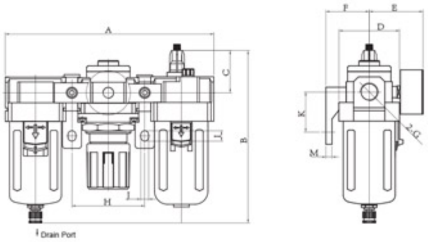
Specification		TC1000-M5	TC2000-02/01	TC3000-03/02	TC4000-04/03	TC4000-06	TC5000-10/06
Applicable Medium		Air					
Rating Flow(L/min)		90	500	2000	4000	4500	6000
Filtration		5 µm ～ 40 µm					
Applicable Pressure Range		0.05 ～ 0.7MPa	0.05 ～ 0.85MPa				
Medium Temperature		0 ～ 60℃					
Recommended Lubricating Oil		ISOVG32 or Equivalent					
Type of Valve		Relief Type					
Gauge Port Size		G1/16	G1/8		G1/4		
Components	Air Filter	TF1000-M5	TF2000-02/01	TF3000-03/02	TF4000-04/03	TF4000-06	TF5000-10/06
	Air Regulator	TR1000-M5	TR2000-02/01	TR3000-03/02	TR4000-04/03	TR4000-06	TR5000-10/06
	Air Lubricator	TL1000-M5	TL2000-02/01	TL3000-03/02	TL4000-04/03	TL4000-06	TL5000-10/06

Figure Dimension

TC1000-M5
TC2000-02/01



TC3000-03/02 TC4000-04/03
TC4000-06 TC5000-10/06



Type	A	B	C	D	E	F	G	H	I	J	K	M
TC1000-M5	92	87	25	25	26	25	M5	32	7.5	4.5	20	5
TC2000-02/01	140	151	38	40	50	30	G1/4	50	8.5	5.5	24	5
TC3000-03/02	181	175	46	53	56	41	G3/8	64	11	7	35	7
TC4000-04/03	238	195	45	70	62	50	G1/2	84	13	9	46	7
TC4000-06	255	195	47	76	70	50	G3/4	84	13	9	52	7
TC5000-10/06	300	301	89	90	71.5	70	G1	105	17	9	47	10

TC Series Treatment Triplet—Automatic drain type

● TC2000–02D

● TC4000–04D

● Air Source Treatment

It is in standard modular design and can be separated and combined freely. With reasonable design, easy use, it can meet different requirements in pneumatic systems.

● Ordering Code

TC 2000 — 02 D

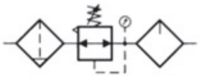
Series: TC

Type:
- 2000
- 3000
- 4000
- 5000

Pipe Size:
- 01 : G1/8
- 02 : G1/4
- 03 : G3/8
- 04 : G1/2
- 06 : G3/4
- 10 : G1

D: Automatic drain type

■ Graphics Sign

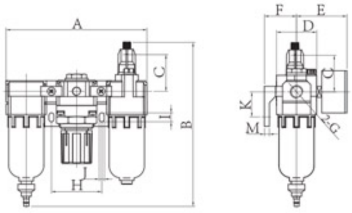


■ Technical Parameter

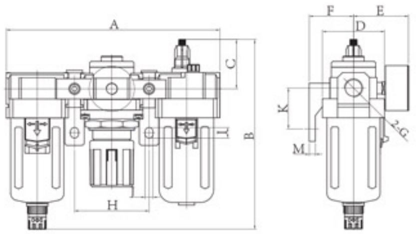
Specification		TC2000–02D/01D	TC3000–03D/02D	TC4000–04D/03D	TC4000–06D	TC5000–10D/06D
Applicable Medium		Air				
Rating Flow(L/min)		500	2000	4000	4500	6000
Filtration		5 µm ~ 40 µm				
Applicable Pressure Range		0.05 ~ 0.85MPa				
Medium Temperature		0 ~ 60℃				
Recommended Lubricating Oil		ISOVG32 or Equivalent				
Type of Valve		Relief Type				
Gauge Port Size		G1/8		G1/4		
Components	Air Filter	TF2000–02D/01D	TF3000–03D/02D	TF4000–04D/03D	TF4000–06D	TF5000–10D/06D
	Air Regulator	TR2000–02/01	TR3000–03/02	TR4000–04/03	TR4000–06	TR5000–10/06
	Air Lubricator	TL2000–02D/01D	TL3000–03D/02D	TL4000–04D/03D	TL4000–06D	TL5000–10D/06D

■ Figure Dimension

● TC2000–02D/01D



● TC3000–03D/02D TC4000–04D/03D
TC4000–06D TC5000–10D/06D



Type	A	B	C	D	E	F	G	H	I	J	K	M
TC2000–02D/01D	140	170	38	40	50	30	G1/4	50	8.5	5.5	24	5
TC3000–03D/02D	181	188	46	53	56	41	G3/8	64	11	7	35	7
TC4000–04D/03D	238	207	45	70	62	50	G1/2	84	13	9	46	7
TC4000–06D	255	210	47	76	70	50	G3/4	84	13	9	52	7
TC5000–10D/06D	300	302	53	90	71.5	70	G1	105	17	9	47	10

TC Series Treatment Triplet—Metal Cup Type

- TC2000—02M
- TC2000—02DM

- TC4000—06M
- TC4000—06DM

Character

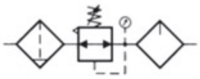
Metal cup is of metal material die—casting forming. It' s reliable , durable ability and anti—explosion. Besides, it has long use life and safe use.

Ordering Code

TC 2000 — 02 M

Series	Type	Pipe Size	M:Metal cups
TC	2000	01 : G1/8	D: Automatic drain type
	3000	02 : G1/4	
	4000	03 : G3/8	
	5000	04 : G1/2	
		06 : G3/4	
		10 : G1	

Graphics Sign

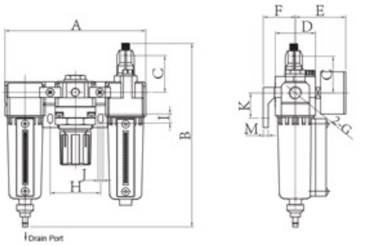


Technical Parameter

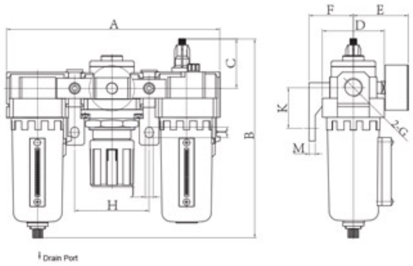
Specification		TC2000—02M/02DM/01M/01DM	TC3000—03M/03DM/02M/02DM	TC4000—04M/04DM/03M/03DM	TC4000—06M/06DM	TC5000—10M/10DM/06M/06DM
Applicable Medium		Air				
Rating Flow(L/min)		500	2000	4000	4500	6000
Filtration		5 µm ~ 40 µm				
Applicable Pressure Range		0.05 ~ 0.85MPa				
Medium Temperature		0 ~ 60°C				
Recommended Lubricating Oil		ISOVG32 or Equivalent				
Type of Valve		Relief Type				
Gauge Port Size		G1/8		G1/4		
Components	Air Filter	TF2000—02M/02DM/01M/01DM	TF3000—03M/03DM/02M/02DM	TF4000—04M/04DM/03M/03DM	TF4000—06M/06DM	TF5000—10M/10DM/06M/06DM
	Air Regulator	TR2000—02/01	TR3000—03/02	TR4000—04/03	TR4000—06	TR5000—10/06
	Air Lubricator	TL2000—02M/02DM/01M/01DM	TL3000—03M/03DM/02M/02DM	TL4000—04M/04DM/03M/03DM	TL4000—06M/06DM	TL5000—10M/10DM/06M/06DM

Figure Dimension

- TC2000—02M/01M



- TC3000—03M/02M TC4000—04M/03M
  TC4000—06M TC5000—10M/06M



Type	A	B	C	D	E	F	G	H	I	J	K	M	Automatic drain
													B
TC2000—02M/02DM/01M/01DM	140	170	38	40	50	30	G1/4	50	8.5	5.5	24	5	170
TC3000—03M/03DM/02M/02DM	181	173	46	53	56	41	G3/8	64	11	7	35	7	188
TC4000—04M/04DM/03M/03DM	238	195	45	70	62	50	G1/2	84	13	9	46	7	207
TC4000—06M/06DM	255	195	47	76	70	50	G3/4	84	13	9	52	7	210
TC5000—10M/10DM/06M/06DM	300	287	53	90	71.5	70	G1	105	17	9	47	10	302

Auto Drain Valve

- TAD402-02
- TAD402-03
- TAD402-04

Ordering Code

TAD 402 — 02

TAD	402	02
Series	Type 402	Pipe size 02 : G1/4 03 : G3/8 04 : G1/2

Applications

The special design of the TAD Series can eliminate the liquid water and oil collect in the lower chamber of air compressor, separator, air dryer, air filter, drop leg, etc. It can be installed in any position which is not convenient for manual drain, or needs more compressed air and more time of drain.

Technical Parameter

Specification	TAD402-02	TAD402-03	TAD402-04
Proof Pressure	1.5MPa		
Applicable Pressure	0.15 ~ 1.0MPa		
Medium Temperature	0 ~ 60℃		
Outfall Size	G1/4	G3/8	G1/2
Applicable Medium	Air		

Graphics Sign

Operation Principle

When no pressure is applied internally to case, float ⑤ descends of itsown weight and valve ⑨ closes chamber hole ⑥ . Piston ⑧ is pushed downby spring (11) ,and the drainage passes through the chamber' s elongated hole (12) to be discharged.

When pressure is applied internally to the case:

When pressure is greater than 0.1MPa, it overcomes the force of spring (11) ,allowing piston ⑧ to ascend, and the chamber' s elongated hole is closed.Thus, the inside of case is isolated from the outside.When drainage has accumulated:

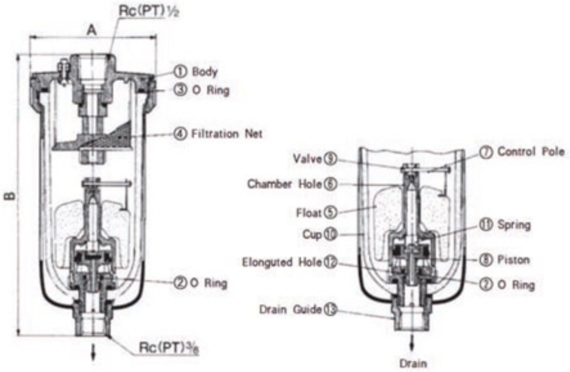
Float ⑤ ascends due to flotation and opens the chamber hole ⑥ , allowing the pressure to enter the chamber hole ⑥ . Piston ⑧ descends due to the force of the internal pressure and spring (11) , and the accumulated drainage is discharged through drain guide (13) .

ZDFS Auto Drain Valve

It is installed in the bottom of auto drain, air filter and filter regulator. It can automatically eliminate condensate collect in lower chamber.

Notice:Installed vertically and outfall downward.

Figure Dimension



Type	TAD402-02	TAD402-03	TAD402-04
A	ϕ82	ϕ82	ϕ82
B	182	182	182

- TAD-ZDFS

- TF2000-ZDFS

- TF3000-ZDFS
- TF4000-ZDFS

TIR precise regulator

● TIR1000—01

● TIR2000—01

● Character

Small size and light weight. large output flow and precise pressure; easy to install, can be mounted independently with bracket or mounted directly with TF, the modular filtering combination.

● Ordering Code

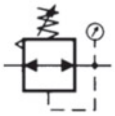
TIR — 20 00 — 02

Size of valve body
10
20
30

pressure
00 (0.005 ~ 0.2MPa)
10 (0.01 ~ 0.4MPa)
20 (0.01 ~ 0.8MPa)

pipe size
01 : G1/8
02 : G1/4
03 : G3/8
04 : G1/2

■ Graphics Sign

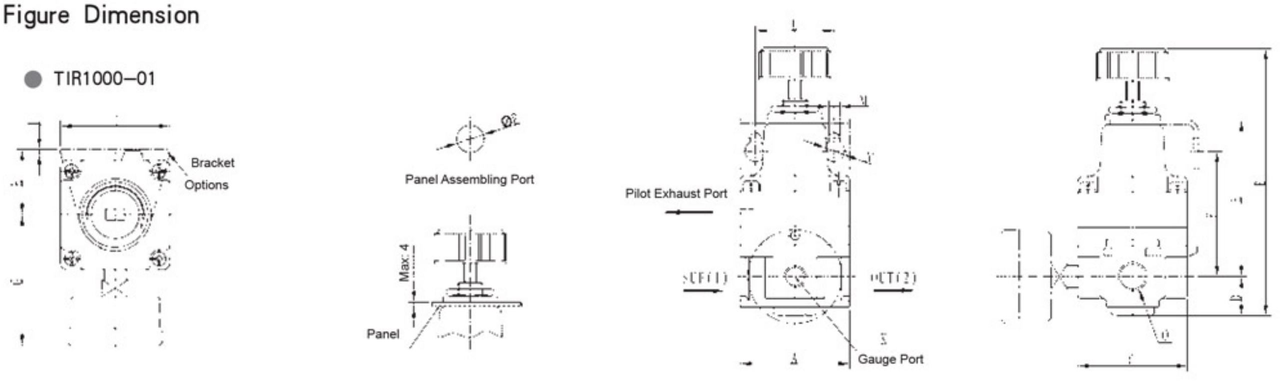


■ Technical Parameter

Specification	TIR1000—01	TIR1010—01	TIR1020—01	TIR2000—02	TIR2010—02	TIR2020—02	TIR3000—03/04	TIR3010—03/04	TIR3020—03/04
Applicable pressure range	0.005 ~ 0.2	0.01 ~ 0.4	0.01 ~ 0.8	0.005 ~ 0.2	0.01 ~ 0.4	0.01 ~ 0.8	0.01 ~ 0.2	0.01 ~ 0.4	0.01 ~ 0.8
Outfall Size	G1/8			G1/4			G3/8、G1/2		
Air consumption (below 1.0MPa)	Max 3.5L/min			Max 3.1L/min			Max 9.5L/min outlet : Max2L/min		
Minimum applicable pressure MPa	Setting pressure +0.05			Setting pressure +0.05			Setting pressure +0.05		
Proof Pressure	1.0MPa								
Sensitivity	Sensitivity: ≤0.2%								
Repeat accuracy	Repeat accuracy : ±0.5%								
Medium Temperature	−5 ~ +60								
Gauge Port Size	G1/8								

■ Figure Dimension

● TIR1000—01



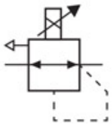
Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
TIR1000—01	35	90	35	10	51	44	43	25	42	2	G1/8	28	4.5	Φ8.5	G1/8	Φ10.5
TIR1010—01	35	90	35	10	51	44	43	25	42	2	G1/8	28	4.5	Φ8.5	G1/8	Φ10.5
TIR1020—01	35	90	35	10	51	44	43	25	42	2	G1/8	28	4.5	Φ8.5	G1/8	Φ10.5
TIR2000—02	50	123	50	18	71	63	60	30	50	2	G1/8	36	5.5	Φ9.5	G1/4	Φ12.5
TIR2010—02	50	123	50	18	71	63	60	30	50	2	G1/8	36	5.5	Φ9.5	G1/4	Φ12.5
TIR2020—02	50	123	50	18	71	63	60	30	50	2	G1/8	36	5.5	Φ9.5	G1/4	Φ12.5
TIR3000—03	66	148	66	22	76	76	68	48	82	2.3	G1/8	60	9	Φ15.5	G3/8 G1/2	Φ12.5
TIR3010—03	66	148	66	22	76	76	68	48	82	2.3	G1/8	60	9	Φ15.5		
TIR3020—03	66	148	66	22	76	76	68	48	82	2.3	G1/8	60	9	Φ15.5		

ITV Series Electro–Pneumatic Regulator

● Character

Stepless control of air pressure in proportion to electric signals
The structure is compact, and light weight
Low power consumption 4w or less

■ Graphics Sign



● Ordering Code

ITV 2 0 1 — 0 — 0 1 2 S

Series
1：1000 Series
2：2000 Series

Pressure range
1： 0.1MPa(1.0kgf/cm²)
3： 0.5MPa(5.1kgf/cm²)
5： 0.9MPa(9.2kgf/cm²)

Input signal
0：DC24V
1：DC12~15V

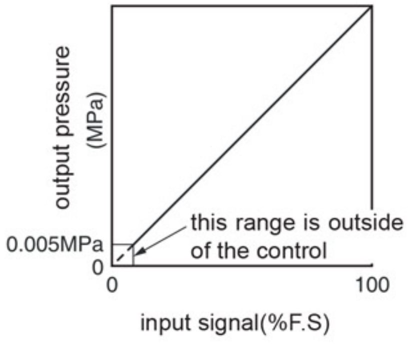
Current type
0： Voltage type ~20mA
1： Voltage type ~20mA
2： Voltage type DC0~5V
3： Voltage type DC0~10V
*4：Preset input

Cable connector
0： No（preset input only）
1： Analog output DC1~5V
2： Switch output（NPN）
3： Switch output（PNP）
4： Analog output 4~20mA

Pipe Size
1：1/8（1000 type）
2：1/4（1000、2000、3000 type）
3：3/8（2000、3000 type）
4：1/2（3000 type）

Electrical connection
S：3 meters straight cable
L：3 meters vertical cable

■ Rated pressure



Input/output characteristic chart

Note:don't use lubricator at gas supply side

■ Electrical connection

Description	Analog signal input type	4 Analog signal input type
PIN1	+24VDC	+24VDC
PIN2	The positive input signal	Switching input1
PIN3	GDN	GDN
PIN4	The anode monitoring signal	Switching input2

In order to good electromagnetic compatibility, proportional valve shell should be connected to "protect"

■ Electrical connection

Proportional valve 4 wire cable connection according to the table below

Description	Analog signal input type	4 Analog signal input type
Red or brown	+24VDC	+24VDC
White	The positive input signal	Switching input1
Blue	GDN	GDN
Black	The anode monitoring signal	Switching input2

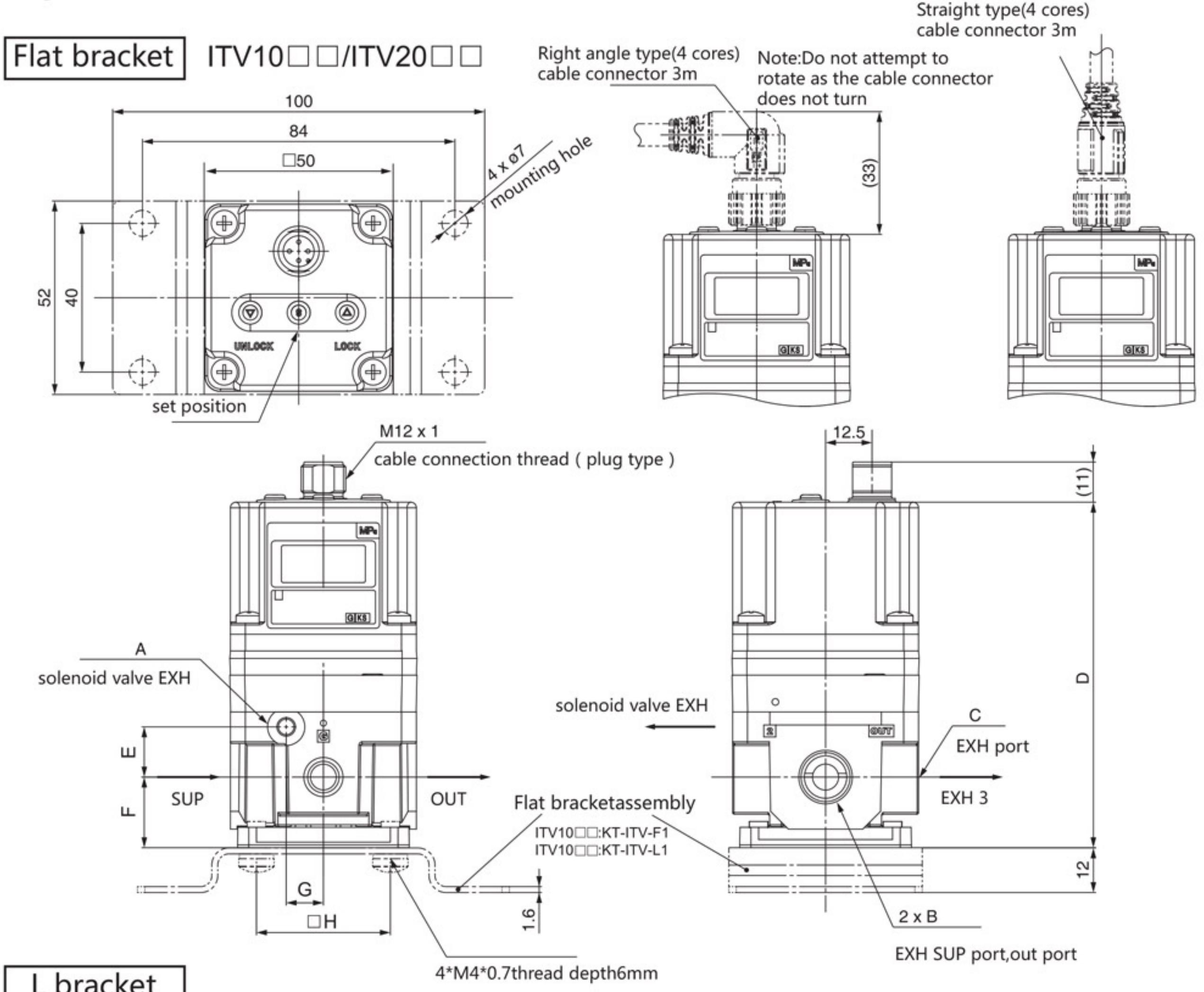
Technical Parameter

Model		ITV101 ITV201	ITV103 ITV203	ITV105 ITV205
Min. supply pressure		set pressure+0.1MPa		
Max. supply pressure		0.2MPa	1.0MPa	
Set pressure range		0.005~0.1MPa	0.005~0.5MPa	0.005~0.9MPa
Power supply	voltage	DC24V±10%，DC12~15V		
	current consumption	DC24V：0.12A or less DC12~15V：0.18A or less		
input signal	current type	4~20mA、0~20mA		
	voltage type	DC0~5V，DC0~10V		
	preset input	16 点（A total of negative）		
input impedance	current type	250Ω or less		
	voltage type	approx 6.5 kΩ		
	preset input	approx 6.54.7kΩ(DC24V)， approx 6.52.0kΩ(DC12V)		
output signal monitor out	Analog output	DC1~5V（ output impedance:Approx 1kΩ ） 4–20mADC（汇式）(output impedance：250kΩ or less）		
	switch output	NPN open collector output:Max 30V、80mA PNP open collector output:Max 80mA		
linearity		±1% F.S.or less		
Hysteresls		0.5% F.S.or less		
Repeatability		±0.5% F.S.or less		
Sensitivity		±0.2% F.S.or less		
temperature characteristics		±0.12% F.S.or less / ℃		
output pressure indicate	Precision	±2% F.S.or less±1		
	Min. unit	MPa: 0.001、kgf/cm^2：0.01、bar：0.01、PSI:0.1 kPa：1		
Operating temperature range		0~50℃（No condensation）		
Enclosure		Equivalent to IP65		
Weight	ITV10□□	250g		
	ITV20□□	350g		
	ITV30□□	645g		

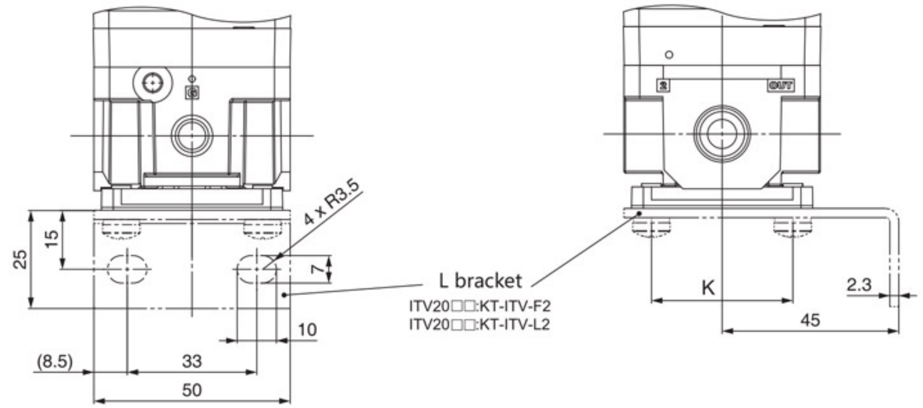
1）2–wire type 4 to 20 mA DCis not available.Power supply voltage(24VDC or 12 to 15 VDC)is required.
2）Select either analog output or switch output.Further when switch output is selected,select either NPN output or PNP output
3）The minimum unit for 0.9Mpa type is 1 psi.
4）The above characteristics are confined to the static state.When air is consumed on the output side,the pressure may fluctuate.

Figure Dimension

Flat bracket ITV10□□/ITV20□□



L bracket



Type	A	B	C	D	E	F	G	H	J	K
ITV10□□-□□	M3×0.5	Rc1/8，1/4	Rc1/8	71	8.5	11	13.5	40	M4×0.7	22
ITV20□□-□□	M5×0.8	Rc1/4，3/8	Rc1/4	93	13.5	19	10	36	M5×0.8	36

TAV soft start valve series

TAV2000–02

Character Slow start solenoid valve can be used in the system of security protection. The initial it allows only a small amount of air through the (flow rate can be adjusted).Half when the outlet pressure to inlet pressure, the valve is fully open, the maximum flow.

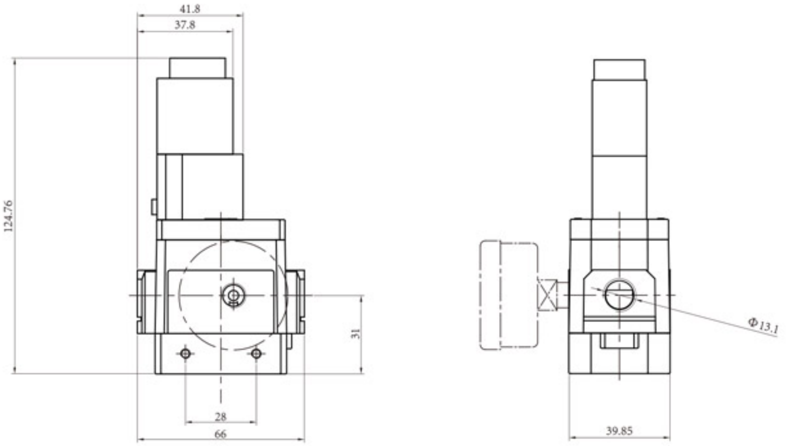
Ordering Code

TAV	2000	—	02	AC220V
Series	Type 2000 3000 4000		Pipe Size 02 : G1/4 03 : G3/8 04 : G1/2	Standard voltage AC110V AC220V DC24V DC12V

Technical Parameter

Specification	TAV2000–02	TAV3000–03	TAV4000–04
Applicable Medium	Air		
Applicable Pressure Range	0.2 ~ 1MPa		
Medium Temperature	0 ~ 60°C		
Standard voltage	AC110V AC220V DC24V DC12V		

Figure Dimension



TAV2000–02

THS series pressure relief valve

THS4000—04

Character Use this product on both sides of the residual pressure can be ruled out.

Ordering Code

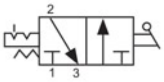
THS 2000 — 01

Series

Type
2000
3000
4000
5000

Pipe Size
02：G1/4
03：G3/8
04：G1/2
10：G1

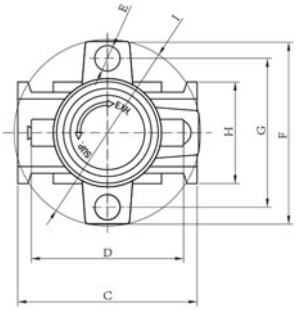
Graphics Sign

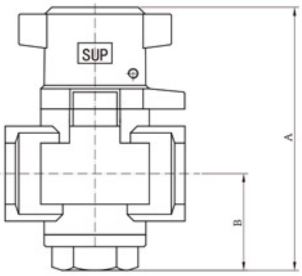


Technical Parameter

Specification	THS2000	THS3000	THS4000	THS5000
Applicable Medium	Air			
Applicable Pressure Range	0.1 ~ 1MPa			
Medium Temperature	−5 ~ 60℃			
The angle of handwheel	90°			
Appearance of the color	Handwheel：red, body：silver gray			

Figure Dimension





Type	A	B	C	D	E	F	G	H	I
THS2000	62	20	40	40	6	40	32	28	42
THS3000	78	29	53	45	7	54	44	30	54
THS4000	84	31	70	45	7	54	44	36	54
THS5000	137	65	90	68	8.5	90	77	54	90

TMR Regulator

TMR2000–02

Character

It adopts balanced inlet with relief device. It has the advantages of stable pressure, high precision, quick reaction and firm lockup. It can be freely combined with other air-source treatment products.

Ordering Code

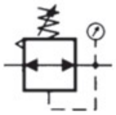
TMR — 2000 — 02

Series: TMR

Type: 2000

Pipe Size: 02 : G1/4

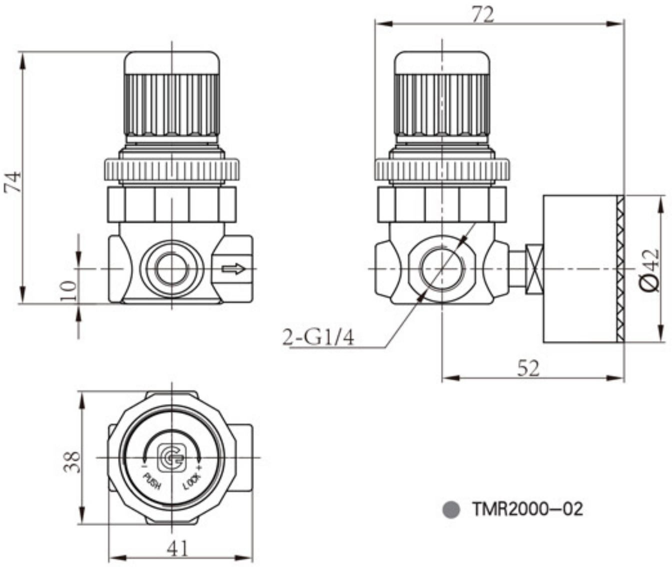
Graphics Sign



Technical Parameter

Specification	TMR2000–02
Applicable Medium	Air
Rating Flow(L/min)	500
Medium Temperature	0.05 ~ 0.7MPa
Applicable Pressure Range	0 ~ 60℃
Type of Valve	Relief Type
Gauge Port Size	G1/8

Figure Dimension



TMR2000–02

TOR Regulator

Regulator special for oxygen bar

● TOR2000

● TOR2000–A

● Air Regulator

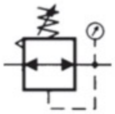
It adopts balanced inlet with relief device. It has the advantages of stable pressure, high precision, quick reaction and firm lockup. It can be freely combined with other air–source treatment products.

● Ordering Code

TOR — 2000 — A

- TOR: Series
- 2000: Type 2000
- A: Standard: handwheel rotation; A: Hexagonal socket rotation

■ Graphics Sign

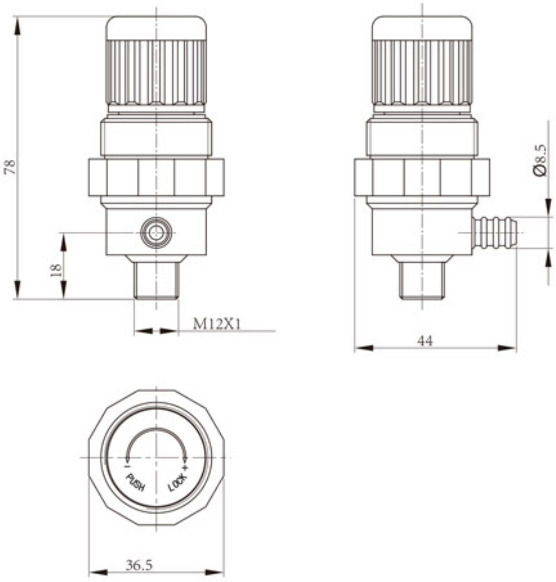


■ Technical Parameter

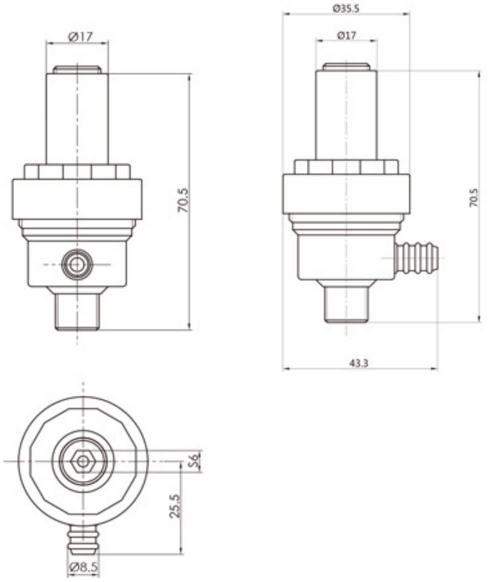
Specification	TOR2000	TOR2000–A
Applicable Medium	Air	
Rating Flow(L/min)	500	
Applicable Pressure Range	0.02 ~ 0.1MPa	
Medium Temperature	0 ~ 60℃	
Type of Valve	Without overflow	
Gauge Port Size	G1/4	

■ Figure Dimension

● TOR2000



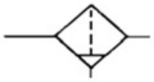
● TOR2000–A



AFF Series Main Line Filter

Pipe size G1/8,G1/4,G3/8,G1/2,G1

Graphics Sign



Character

Remove compressed air' s oil,water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

Ordering Code

AFF 8B — ☐ 03 B ☐

Subject size
- 2B 1/8 Benchmark
- 4B 1/4 Benchmark
- 8B 3/8 Benchmark
- 11B 1/2 Benchmark
- 22B 3/4 Benchmark
- 37B 1 Benchmark
- 75B 1 1/2 Benchmark

Thread types
- No mark : Rc
- F : G
- N : NPT

Pipe size
- 01 1/8^{B}
- 02 1/4^{B}
- 03 3/8^{B}
- 04 1/2^{B}
- 06 3/4^{B}
- 10 1^{B}
- 14 1 1/2^{B}
- 20 2^{B}

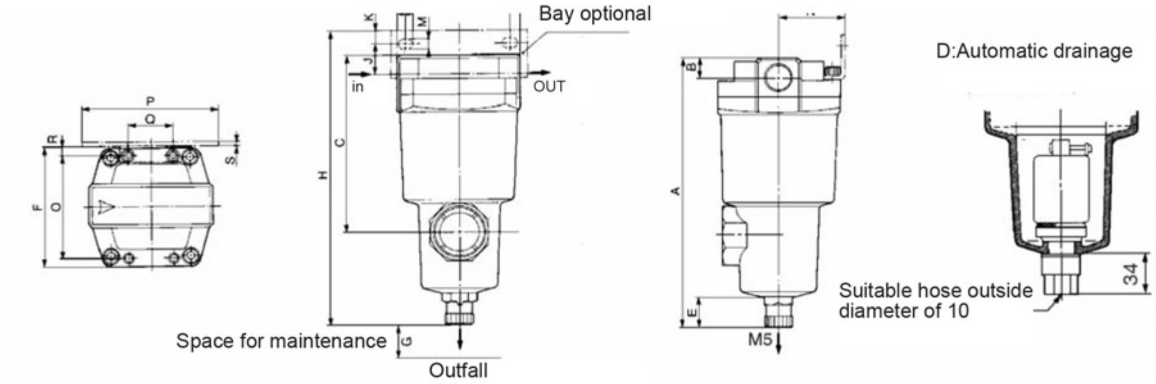
Accessories
- No mark : No
- B : Bracket
- C : N.C. Automatic drainage
- D : N.O. Automatic drainage

Standard specifications
- No mark : No
- J : Drainage catheter 1/4B internal thread
- R : IN、OUT The opposite direction
- T : Filter obstruction detector

Filter element life	Compressed air
Filtration	0.15~1.0MPa
Temperature range	* 5~60°C
Working pressure range	3 ∝m(wipe off 95%)
Working medium	2 years or the pressure drop of 0.1MPa

Technical Parameter

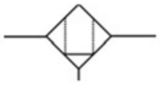
type	AFF2B	AFF4B	AFF8B	AFF11B	AFF22B	AFF37B	AFF75B
Rated flow /min(ANR)	300	750	1500	2200	3500	6000	12000
Pipe size	1/8·1/4·3/8	1/4·3/8·1/2	3/8·1/2·3/4	1/2·3/4·1	3/4·1	1·1 1/2	1 1/2·2
Bracket assembly	BM51	BM52	BM53	BM54	BM55	BM56	BM57
Filter components	AFF-EL2B	AFF-EL4B	AFF-EL8B	AFF-EL11B	AFF-EL22B	AFF-EL37B	AFF-EL75B



type	Pipe size	A	B	C	D	E	F	G	Installation size											
									H	I	J	K	L	M	N	O	P	Q	R	S
AFF2B	1/8·1/4·3/8	159	13	100	63	20	63	10	166	56	15	5	9	5.5	35	54	70	26	4.5	1.6
AFF4B	1/4·3/8	172	13	113	76	20	76	10	187	66	20	8	12	6	40	66	84	28	5	2.0
AFF8B	3/8·1/2	204	16	145	90	20	90	10	218	80	22	8	14	7	50	80	100	34	5	2.3
AFF11B	1/2·3/4	225	19	166	106	20	106	10	241	90	25	10	14	9	55	88	110	50	9	3.2
AFF22B	3/4·1	259	22	200	122	20	122	10	277	100	30	10	16	9	65	102	130	60	10	4.5
AFF37B	1·1 1/2	311	32	253	160	20	160	10	334	150	40	15	20	11	85	136	180	76	12	4.5
AFF75B	1 1/2·2	460.5	42	348	220	57.5	220	10	463.5	180	30	15	24	13	120	184	220	110	18	6.0

AM series oil mist separator

■ Graphics Sign



Pipe size G1/8,G1/4,G3/8,G1/2,G1

● Character

Remove compressed air' s oil,water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

● Ordering Code

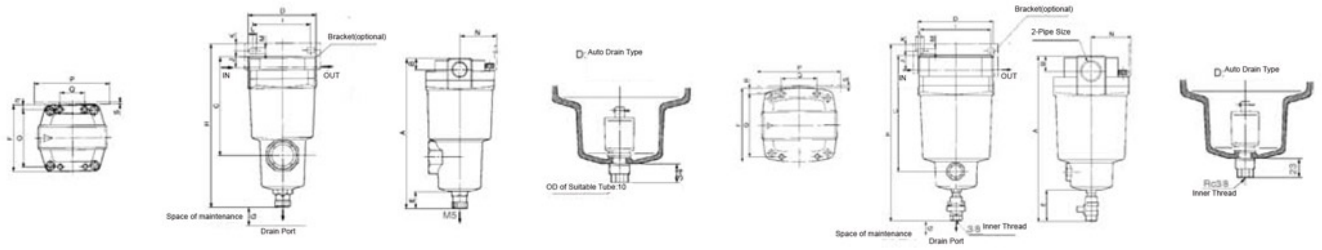
AM 250 — [ ] 03 B J

Subject size	Thread types	Pipe size	Accessories
150 : 1/8Benchmark	No mark : Rc	01 1/8B	No mark : No
250 : 1/4Benchmark	F : G	02 1/4B	B : Bracket
350 : 3/8Benchmark	N : NPT	03 3/8B	C : N.C. Automatic drainage
450 : 1/2Benchmark		04 1/2B	D : N.O. Automatic drainage
550 : 3/4Benchmark		06 3/4B	
650 : 1 Benchmark		10 1B	
850 : 1 1/2Benchmark		14 1 1/2B	
		20 2B	

Standard specifications
No mark : No
J : Drainage catheter 1/4B internal thread
R : IN、OUT The opposite direction
T : Filter obstruction detector

Working medium	Compressed air
The highest use of pressure	1.0MPa
Note1)The lowest use of pressure	0.05MPa
Temperature range	5~60°C
Transition precision	3∝m(wipe off 95%)
Secondary side of the oil mist concentration	Note2)The most1.0mg/m3(ANR)(≒0.8ppm)
Filter element life	2 years or the pressure drop of 0.1MPa

■ Figure Dimension



Type	Specification		Accessories	Spare parts (optional)
	Note1) Rated flow /min(ANR)	Port size	Bracket assembly	Filter components
AM150	300	1/8·1/4·3/8	BM51	AM–EL150
AM250	750	1/4·3/8	BM52	AM–EL250
AM350	1500	3/8·1/2	BM53	AM–EL350
AM450	2200	1/2·3/4	BM54	AM–EL450
AM550	3500	3/4·1	BM55	AM–EL550
AM650	6000	1·1 1/ 2	BM56	AM–EL650
AM850	12000	1 1/2·2	BM57	AM–EL850

Note1) When the pressure is 0.7MPa. ＊hex head screw, spring washer。

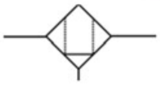
■ The combinati on of accessories and standard specifications

◎ Can be combined ■ Can not combinations ○ Has nothing to do with them

Accessories · Standard specifications			Accessories		Standard specifications			suitable components						
			C	D	J	R	T	AM150	AM250	AM350	AM450	AM550	AM650	AM850
Accessories	N.C automatic drain	C	■	■	■	◎	◎	◎	◎	◎	◎	◎	■	■
	N.O automatic drain	D	■	■	■	◎	◎	◎	◎	◎	◎	◎	◎	◎
Standard specifications	N.O automatic drain1/4B	J	■	■	■	◎	◎	◎	◎	◎	◎	◎	◎	■
	IN、OUT opposite direction	R	◎	◎	◎	■	◎	◎	◎	◎	◎	◎	◎	◎
	Filter element clogging indicator	T	◎	◎	◎	◎	■	◎	◎	◎	◎	◎	◎	◎

AMD series micro mist separator

Graphics Sign



Pipe size G1/8, G1/4, G3/8, G1/2, G1

Character

Remove compressed air' s oil, water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

Ordering Code

AMD 250 — ☐ 03 B J

Subject size
150 : 1/8Benchmark
250 : 1/4Benchmark
350 : 3/8Benchmark
450 : 1/2Benchmark
550 : 3/4Benchmark
650 : 1 Benchmark
850 : 1 1/2Benchmark

Thread types
No mark : Rc
F : G
N : NPT

Pipe size
01 1/8B
02 1/4B
03 3/8B
04 1/2B
06 3/4B
10 1B
14 1 1/2B
20 2B

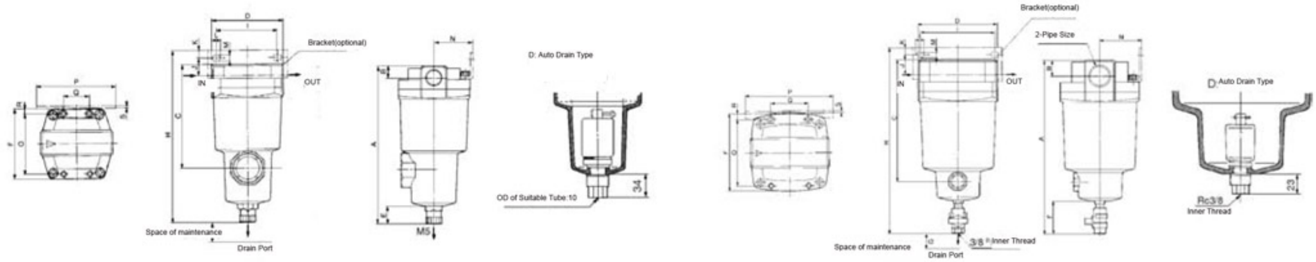
Accessories
No mark : No
B : Bracket
C : N.C. Automatic drainage
D : N.O. Automatic drainage

Standard specifications
No mark : No
J : Drainage catheter 1/4B internal thread
R : IN、OUT The opposite direction
T : Filter obstruction detector

Working medium	Compressed air
The highest use of pressure	1.0MPa
Note1) The lowest use of pressure	0.05MPa
Temperature range	5~60℃
Transition precision	3 ∝ m(wipe off 95%)
Secondary side of the oil mist concentration	Note2) The most1.0mg/m3(ANR)(≒0.8ppm)
Filter element life	2 years or the pressure drop of 0.1MPa

Note 1) using the automatic drainage, working pressure should be above 0.15MPa.
Note 2) The compressor' s discharging oil density is 30mg/m3 (ANR).

Figure Dimension



Type	Note1) Rated flow /min(ANR)	Port size	Bracket assembly	Filter components
AMD150	200	1/8 • 1/4 • 3/8	BMD51	AMD–EL150
AMD250	500	1/4 • 3/8 • 1/2	BMD52	AMD–EL250
AMD350	1000	3/8 • 1/2 • 3/4	BMD53	AMD–EL350
AMD450	2000	1/2 • 3/4 • 1	BMD54	AMD–EL450
AMD550	3500	3/4 • 1	BMD55	AMD–EL550
AMD650	6000	1 • 1 1/ 2	BMD56	AMD–EL650
AMD850	12000	1 1/2 • 2	BMD57	AMD–EL850

Note1) When the pressure is 0.7MPa. * hex head screw, spring washer。

The combinati on of accessories and standard specifications

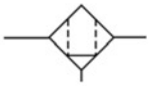
◎ Can be combined ■ Can not combinations ○ Has nothing to do with them

Accessories • Standard specifications			Accessories		Standard specifications			suitable components						
			C	D	J	R	T	AMD150	AMD250	AMD350	AMD450	AMD550	AMD650	AMD850
Accessories	N.C automatic drain	C	■	■	■	◎	◎	◎	◎	◎	◎	◎	■	■
	N.O automatic drain	D	■	■	■	◎	◎	◎	◎	◎	◎	◎	◎	◎
Standard specifications	N.O automatic drain1/4B	J	■	■	■	◎	◎	◎	◎	◎	◎	◎	◎	■
	IN、OUT opposite direction	R	◎	◎	◎	■	◎	◎	◎	◎	◎	◎	◎	◎
	Filter element clogging indicator	T	◎	◎	◎	◎	■	◎	◎	◎	◎	◎	◎	◎

AMH with a pre-filter micro-mist separator

Pipe size G1/8,G1/4,G3/8,G1/2,G1

Graphics Sign



Character

Remove compressed air' s oil, water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

Ordering Code

AMH 250 — ☐ 03 B J

Subject size
150 : 1/8Benchmark
250 : 1/4Benchmark
350 : 3/8Benchmark
450 : 1/2Benchmark
550 : 3/4Benchmark
650 : 1 Benchmark
850 : 1 1/2Benchmark

Thread types
No mark : Rc
F : G
N : NPT

Pipe size
01 1/8^B
02 1/4^B
03 3/8^B
04 1/2^B
06 3/4^B
10 1^B
14 1 1/2^B
20 2^B

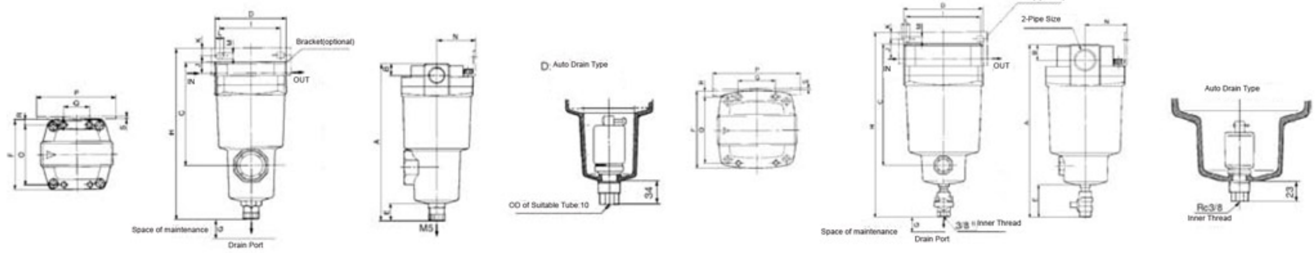
Accessories
No mark : No
B : Bracket
C : N.C. Automatic drainage
D : N.O. Automatic drainage

Standard specifications
No mark : No
J : Drainage catheter 1/4B internal thread
R : IN、OUT The opposite direction
T : Filter obstruction detector

Working medium	Compressed air
The highest use of pressure	1.0MPa
Note1) The lowest use of pressure	0.05MPa
Temperature range	5~60°C
Transition precision	3 ∝ m(wipe off 95%)
Secondary side of the oil mist concentration	Note2) The most1.0mg/m3(ANR)(≒0.8ppm)
Filter element life	2 years or the pressure drop of 0.1MPa

Note 1) using the automatic drainage, working pressure should be above 0.15MPa.
Note 2) The compressor' s discharging oil density is 30mg/m3 (ANR).

Figure Dimension



Type	Specification		Accessories	Spare parts (optional)
	Note1) Rated flow /min(ANR)	Port size	Bracket assembly	Filter components
AMH150	200	1/8・1/4・3/8	BM51	AMH-EL150
AMH250	500	1/4・3/8・1/2	BM52	AMH-EL250
AMH350	1000	3/8・1/2・3/4	BM53	AMH-EL350
AMH450	2000	1/2・3/4・1	BM54	AMH-EL450
AMH550	3500	3/4・1	BM55	AMH-EL550
AMH650	6000	1・1 1/ 2	BM56	AMH-EL650
AMH850	12000	1 1/2・2	BM57	AMH-EL850

Note 1) using the automatic drainage, working pressure should be above 0.15MPa.
Note 2) The compressor' s discharging oil density is 30mg/m3 (ANR).

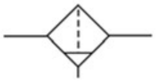
The combinati on of accessories and standard specifications

◎ Can be combined ■ Can not combinations ○ Has nothing to do with them

Accessories・Standard specifications			Accessories		Standard specifications			suitable components						
			C	D	J	R	T	AMD150	AMD250	AMD350	AMD450	AMD550	AMD650	AMD850
Accessories	N.C automatic drain	C	■	■	■	◎	◎	◎	◎	◎	◎	◎	■	■
	N.O automatic drain	D	■	■	■	◎	◎	◎	◎	◎	◎	◎	◎	◎
Standard specifications	N.O automatic drain1/4B	J	■	■	■	◎	◎	◎	◎	◎	◎	◎	◎	■
	IN、OUT opposite direction	R	◎	◎	◎	■	◎	◎	◎	◎	◎	◎	◎	◎
	Filter element clogging indicator	T	◎	◎	◎	◎	■	◎	◎	◎	◎	◎	◎	◎

AMG droplet separator

Graphics Sign



Pipe size G1/8,G1/4,G3/8,G1/2,G1

Character

Remove compressed air's oil,water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

Working medium	Compressed air
Working pressure range	0.15~1.0MPa
Temperature range	5~60°C
Filtration	99%
Filter element life	2 years or the pressure drop of 0.1MPa

Note 1) using the automatic drainage, working pressure should be above 0.15MPa.

Note 2) The compressor's discharging oil density is 30mg/m3 (ANR).

Ordering Code

AMG 250 — ☐ 03 B J

Subject size
150 : 1/8Benchmark
250 : 1/4Benchmark
350 : 3/8Benchmark
450 : 1/2Benchmark
550 : 3/4Benchmark
650 : 1 Benchmark
850 : 1 1/2Benchmark

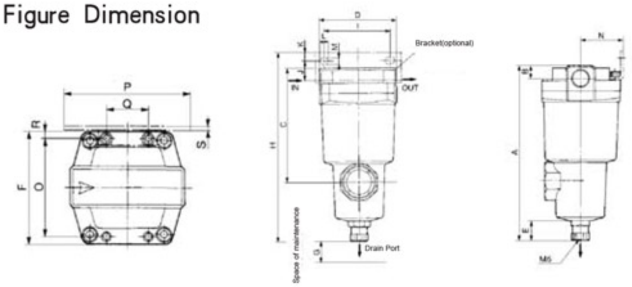
Thread types
No mark : Rc
F : G
N : NPT

Pipe size
01 1/8^{B}
02 1/4^{B}
03 3/8^{B}
04 1/2^{B}
06 3/4^{B}
10 1^{B}
14 1 1/2^{B}
20 2^{B}

Accessories
No mark : No
B : Bracket
C : N.C. Automatic drainage
D : N.O. Automatic drainage

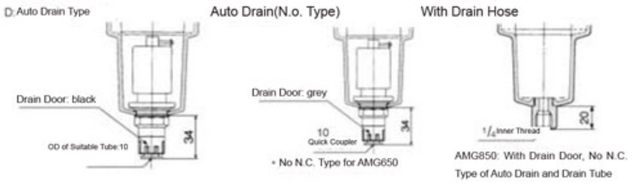
Standard specifications
No mark : No
J : Drainage catheter 1/4B internal thread
R : IN、OUT The opposite direction
T : Filter obstruction detector

Figure Dimension



Accessory

Standard Specification



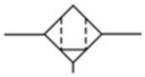
Type	Port size	A	B	C	D	E	F	G	the related size of bracket											
									H	I	J	K	L	M	N	O	P	Q	R	S
AMG150	1/8•1/4•3/8	159	13	100	63	20	63	10	166	56	15	5	9	5.5	35	54	70	26	4.5	1.6
AMG250	1/4•3/8	172	13	113	76	20	76	10	187	66	20	8	12	6	40	66	84	28	5	2.0
	1/2	178	16	119	76	20	76	10	187	66	17	8	12	6	40	66	84	28	5	2.0
AMG350	3/8•1/2	204	16	145	90	20	90	10	218	80	22	8	14	7	50	80	100	34	5	2.3
	3/4	210	19	151	90	20	90	10	218	80	19	8	14	7	50	80	100	34	5	2.3
AMG450	1/2•3/4	225	19	166	106	20	106	10	241	90	25	10	14	9	55	88	110	50	9	3.2
	1	232	22	173	106	20	106	10	241	90	21	10	14	9	55	88	110	50	9	3.2
AMG550	3/4•1	359	22	200	122	20	122	10	277	100	30	10	16	9	65	102	130	60	10	4.5
AMG650	1•1 1/ 2	311	32	253	160	20	160	10	334	150	40	15	20	11	85	136	180	76	12	4.5
AMG850	1 1/2•2	460.5	42	348	220	57.5	220	10	463.5	180	30	15	24	13	120	184	220	110	18	6.0

The combinati on of accessories and standard specifications

Type	Note1) Rated flow /min(ANR)	Port size	Bracket assembly
AMG150	300	1/8•1/4•3/8	BM51
AMG250	750	1/4•3/8•1/2	BM52
AMG350	1500	3/8•1/2•3/4	BM53
AMG450	2200	1/2•3/4•1	BM54
AMG550	3500	3/4•1	BM55
AMG650	6000	1•1 1/ 2	BM56
AMG850	12000	1 1/2•2	BM57

AME Series micro mist separator

Graphics Sign



Pipe size G1/8,G1/4,G3/8,G1/2,G1

Character

Remove compressed air' s oil,water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

AME 250 — ☐ 03 B R

Subject size
150 : 1/8Benchmark
250 : 1/4Benchmark
350 : 3/8Benchmark
450 : 1/2Benchmark
550 : 3/4Benchmark
650 : 1 Benchmark

Thread types
No mark : Rc
F : G
N : NPT

Pipe size
01 1/8^B
02 1/4^B
03 3/8^B
04 1/2^B
06 3/4^B
10 1^B
14 1 1/2^B
20 2^B

Accessories
No mark : No
B : Bracket

Standard specifications
No mark : No
R : IN、OUT The opposite direction

Main parts

Type	Name	Material	Remarks
1	Main body	* Die-casting	Pickling process
2	Shell	Aluminum	Surface coated with epoxy resin
3	Observation hole	Glass	–
4	filter element components	NBR Glass fiber	–

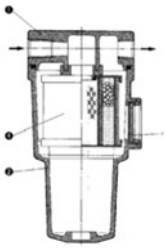
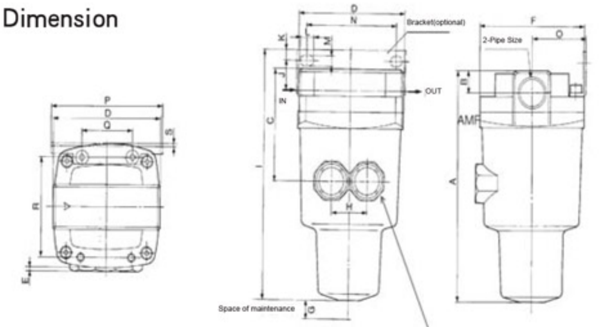


Figure Dimension



Only one observation hole for AME150-350 and AMF150-350

Type	Port size	A	B	C	D	E	F	G	the related size of bracket										
									I	J	K	L	M	N	O	P	Q	R	S
AME150	1/8•1/4•3/8	139	13	55	63	20	63	10	56	15	5	9	5.5	35	54	70	26	4.5	1.6
AME250	1/4•3/8	132	13	66	76	20	76	10	66	20	8	12	6	40	66	84	28	5	2.0
	1/2	138	16	72	76	20	76	10	66	17	8	12	6	40	66	84	28	5	2.0
AME350	3/8•1/2	184	16	92	90	20	90	10	80	22	8	14	7	50	80	100	34	5	2.3
	3/4	190	19	98	90	20	90	10	80	19	8	14	7	50	80	100	34	5	2.3
AME450	1/2•3/4	205	19	100	106	20	106	10	90	25	10	14	9	55	88	110	50	9	3.2
	1	212	22	107	106	20	106	10	90	21	10	14	9	55	88	110	50	9	3.2
AME550	3/4•1	239	22	128	122	20	122	10	100	30	10	16	9	65	102	130	60	10	4.5
AME650	1•1 1/ 2	291	32	167	160	20	160	10	150	40	15	20	11	85	136	180	76	12	4.5
AME850	1 1/2•2	403	42	235	220	57.5	220	10	180	30	15	24	13	120	184	220	110	18	6.0

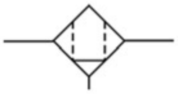
The combinati on of accessories and standard specifications

Type	Specification		Accessories	Spare parts (optional)
	Note1) Rated flow /min(ANR)	Port size	Bracket assembly	Filter components
AME150	200	1/8•1/4•3/8	BM51	AME–EL150
AME250	500	1/4•3/8•1/2	BM52	AME–EL250
AME350	1000	3/8•1/2•3/4	BM53	AME–EL350
AME450	2000	1/2•3/4•1	BM54	AME–EL450
AME550	3000	3/4•1	BM55	AME–EL550
AME650	6000	1•1 1/ 2	BM56	AME–EL650
AME850	12000	1 1/2•2	BM57	AME–EL850

AMF series deodorizing filter

Pipe size G1/8, G1/4, G3/8, G1/2, G1

Graphics Sign



Character

Remove compressed air's oil, water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter, to prevent components failure.

Ordering Code

AMF 250 — ☐ 03 B J

Subject size
150 : 1/8Benchmark
250 : 1/4Benchmark
350 : 3/8Benchmark
450 : 1/2Benchmark
550 : 3/4Benchmark
650 : 1 Benchmark

Thread types
No mark : Rc
F : G
N : NPT

Pipe size
01 $1/8^{B}$
02 $1/4^{B}$
03 $3/8^{B}$
04 $1/2^{B}$
06 $3/4^{B}$
10 1^{B}
14 $1\ 1/2^{B}$
20 2^{B}

Accessories
No mark : No
B : Bracket
C : N.C. Automatic drainage
D : N.O. Automatic drainage

Standard specifications
No mark : No
J : Drainage catheter 1/4B internal thread
R : IN、OUT The opposite direction
T : Filter obstruction detector

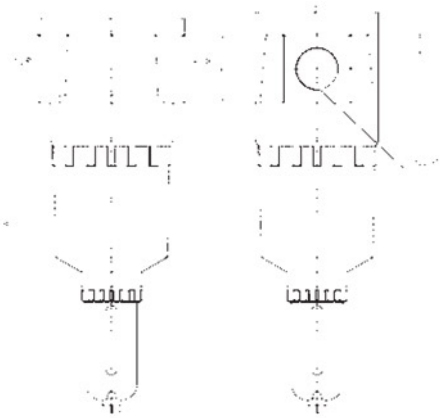
Working medium	Compressed air
The highest use of pressure	1.0MPa
The lowest use of pressure	0.05MPa
Temperature range	5~60°C
Transition precision	0.01 m(wipe off 95%)
Filtration	less than 3.5 pcs of dust particle per litre air (0.3 m)

Figure Dimension

Type	Specification		Accessories	Spare parts (optional)
	Note1) Rated flow /min(ANR)	Port size	Bracket assembly	Filter components
AMF150	200	1/8 • 1/4 • 3/8	BM51	AMF150
AMF250	500	1/4 • 3/8 • 1/2	BM52	AMF250
AMF350	1000	3/8 • 1/2 • 3/4	BM53	AMF350
AMF450	2000	1/2 • 3/4 • 1	BM54	AMF450
AMF550	3500	3/4 • 1	BM55	AMF550
AMF650	6000	1 • 1 1/ 2	BM56	AMF650
AMF850	12000	1 1/2 • 2	BM57	AMF850

Note1) When the pressure is 0.7MPa. * hex head screw, spring washer。

TF911—20 air filter



● **Character**

Large flow, remove quickly compressed air 's oil, water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter

● **Ordering Code**

TF — 911 — 20

Series
Type 911
Pipe size 20 : G2

Figure Dimension

Type	thread	rated flow	Maximum working pressure	pressure proof	Filtration	Environment and fluid temperature	cup material	cup capacity
TF911—20	G2	20000	1.0MPa	1.5MPa	5 μ m	−0.5 ~ 60 °C	Polycarbonate/PC	180CM³

TR925—20 pneumatic regulator

● **Character**

Large flow, remove quickly compressed air 's oil, water, solids and other pollutants, to improve the function of the downstream dryer, extending the service life of precision filter

● **Ordering Code**

TR — 925 — 20

Series
Type 925
Pipe size 20 : G2

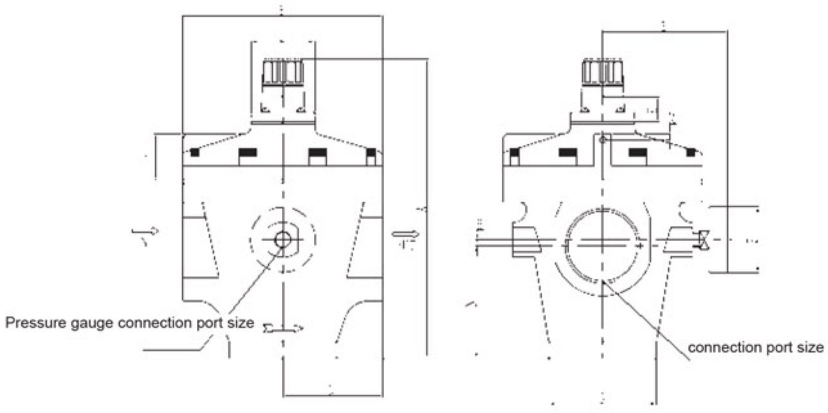


Figure Dimension

Type	thread	rated flow	Maximum working pressure	pressure proof	Pressure range	Environment and fluid temperature	Type of Valve
TR925—20	G2	20000	1.0MPa	1.5MPa	0.05 ~ 0.85	−0.5 ~ 60 °C	Pilot overflow type

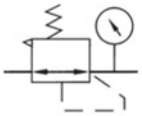
STNC®

High Pressure Air Source Treatment

- ● TYH–8
- ● TYH–15

- ● TYH–20
- ● TYH–25

Graphics Sign



Ordering Code

TYH — 15

TYH: Series High pressure Regulator

15:
8 : G1/4
10 : G3/8
15 : G1/2
20 : G3/4
25 : G1

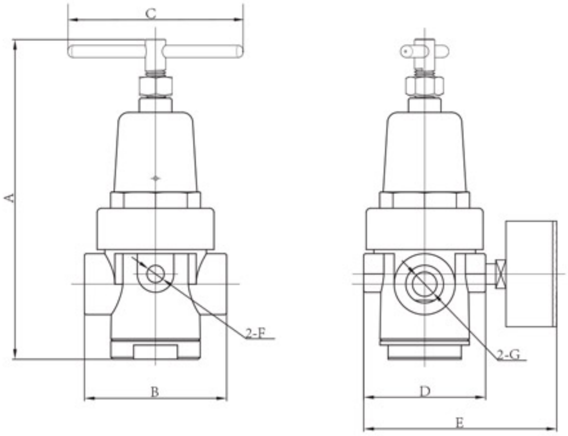
Specific Property

These high pressure air source treatment are self–developed products, specially designed to be used on high prssure condition, been adoppted widely in high pressure pneumatic equipment such as Blow Bottle Machine.

Technical Parameter

Specification	TYH–8	TYH–15	TYH–20	TYH–25
Applicable Pressure	0.5 ~ 3.6Mpa			
Medium Temperature	–10 ~ 60°C			
Filtration	–			

Figure Dimension



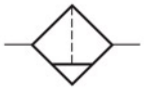
Type	A	B	C	D	E	F	G
TYH–8、10、15	160	70	88	60	95	G1/4	G1/4 G3/8 G1/2
TYH–20、25	240	95	108	82	120	G1/4	G3/4 G1

TSH high pressure water filter

- TSH-8
- TSH-15

- TSH- 20
- TSH- 25

Graphics Sign



Ordering Code

TSH — **8**

Series
High Pressure
Filter

8 : G1/4
10 : G3/8
15 : G1/2
20 : G3/4
25 : G1

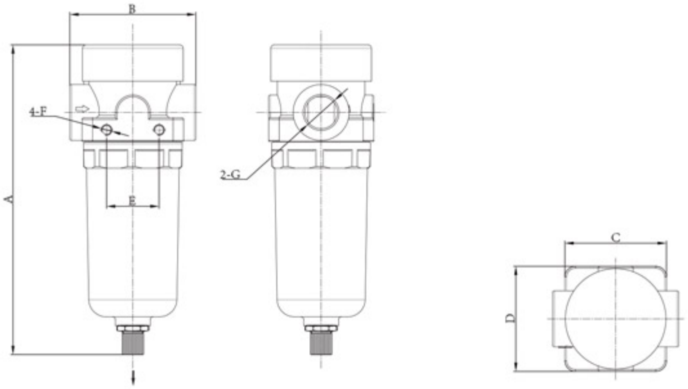
Specific Property

These high pressure air source treatment are self-developed products, specially designed to be used on high prssure condition, been adoppted widely in high pressure pneumatic equipment such as Blow Bottle Machine.

Technical Parameter

Specification	TSH-8	TSH-15	TSH-20	TSH-25
Applicable Pressure	0.1 ~ 3.6Mpa			
Medium Temperature	0 ~ 60°C			
Filtration	25 ~ 75 μm			

Figure Dimension



Type	A	B	C	D	E	F	G
TSH-08、10、15	180	72	60	58	30	M6	G1/4 G3/8 G1/2
TSH-20、25	240	110	82	82	36	M6	G3/4 G1

TWH high pressure filter regulator

● TWH–15

● TWH–08

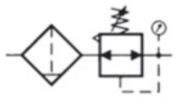
Ordering Code

TWH — 8

Series
High Pressure
Filter

8 : G1/4
10 : G3/8
15 : G1/2
20 : G3/4
25 : G1

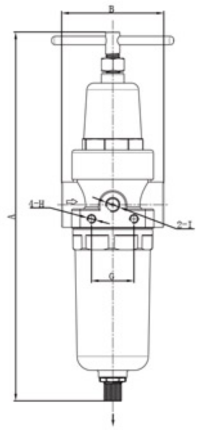
Graphics Sign

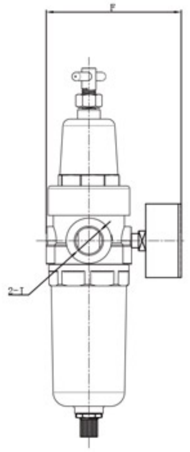


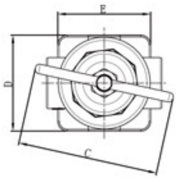
Technical Parameter

Specification	TWH–8	TWH–10	TWH–15	TWH–20	TWH–25
Applicable Medium	Air				
Filtration	5 µm ~ 40 µm				
Applicable Pressure Range	0.5 ~ 3.6MPa				
Medium Temperature	0 ~ 60℃				
Type of Valve	Relief Type				
Gauge Port Size	G1/4				

Figure Dimension







Type	A	B	C	D	E	F	G	H	I	J
TWH–8	280	72	88	60	58	95	30	M6	G1/4	G1/4
TWH–10	280	72	88	60	58	95	30	M6	G1/4	G3/8
TWH–15	280	72	88	60	58	95	30	M6	G1/4	G1/2
TWH–20	360	110	108	82	82	117	36	M6	G1/4	G3/4
TWH–25	360	110	108	82	82	117	36	M6	G1/4	G1

TRY Series Regulator

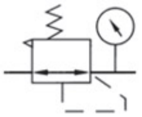
Ordering Code

TRY — 8

TRY: Series
Regulator Series

8: Pipe size
8 : G1/4
10 : G3/8
15 : G1/2
20 : G3/4
25 : G1
40 : G1½
50 : G2

Graphics Sign



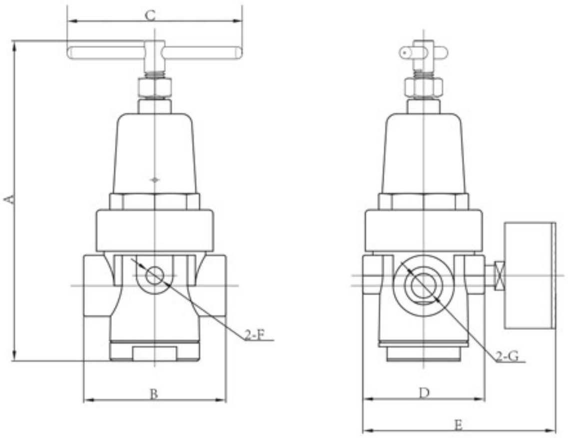
● TRY—10

● TRY—25

Technical Parameter

Specification	TRY—8	TRY—10	TRY—15	TRY—20	TRY—25	TRY—40	TRY—50
Applicable Medium	Air						
Applicable Pressure Range	0.05 ~ 1.6MPa						
Medium Temperature	−10 ~ 60°C						
Type of Valve	Relief Type						
Gauge Port Size	G1/4						

Figure Dimension



Type	A	B	C	D	E	F	G
TRY—8	160	70	88	60	95	G1/4	G1/4
TRY—10	160	70	88	60	95	G1/4	G3/8
TRY—15	160	70	88	60	95	G1/4	G1/2
TRY—20	240	95	108	82	120	G1/4	G3/4
TRY—25	240	95	108	82	120	G1/4	G1
TRY—40	260	95	108	82	120	G1/4	G1½
TRY—50	260	95	108	82	120	G1/4	G2

TSL Series Air Filter

● TSL–10

● TSL–25

Graphics Sign

Ordering Code

TSL — 8

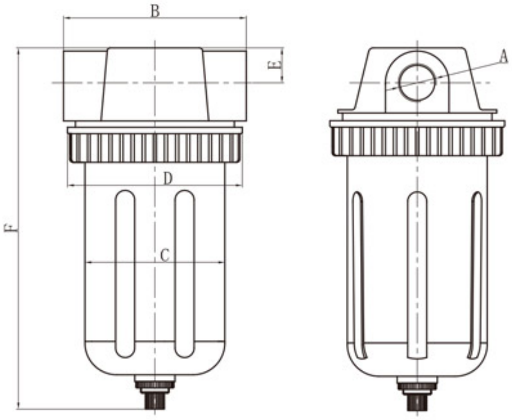
Series
Air Filter Series

Pipe size
8 : G1/4
10 : G3/8
15 : G1/2
20 : G3/4
25 : G1
40 : G1½
50 : G2

Technical Parameter

Specification	TSL–8	TSL–10	TSL–15	TSL–20	TSL–25	TSL–40	TSL–50
Applicable Medium	Air						
Filtration	25 ~ 75 μm						
Applicable Pressure Range	0.15 ~ 1MPa						
Medium Temperature	0 ~ 60℃						
Drain Holding Capacity	200cm3			400cm3			

Figure Dimension



Type	A	B	C	D	E	F
TSL–8	G1/4	90	ϕ70	88	15	230
TSL–10	G3/8	90	ϕ70	88	15	230
TSL–15	G1/2	90	ϕ70	88	15	230
TSL–20	G3/4	115	ϕ90	110	22	275
TSL–25	G1	115	ϕ90	110	22	275
TSL–40	G1 1/2	115	ϕ90	110	36	275
TSL–50	G2	120	ϕ90	110	36	275

TIU Series Oil Sprayer

Ordering Code

TIU — 8

TIU: Series
Oil Sprayer Series

8: Pipe size
8 : G1/4
10 : G3/8
15 : G1/2
20 : G3/4
25 : G1
40 : G1½
50 : G2

Graphics Sign

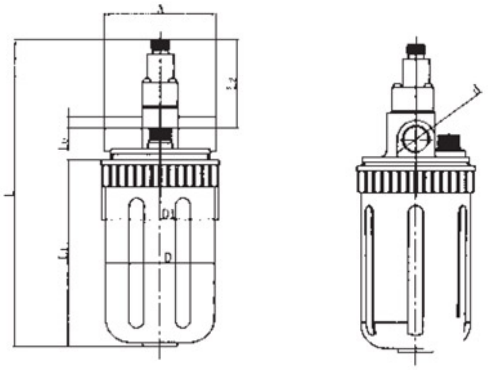
TIU–10

TIU–40

Technical Parameter

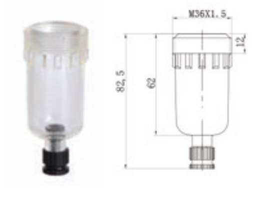
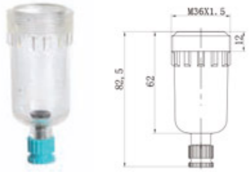
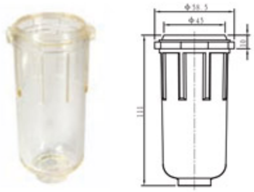
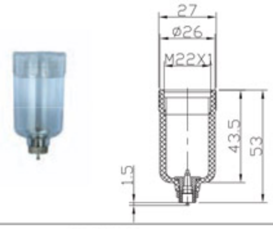
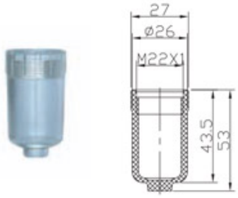
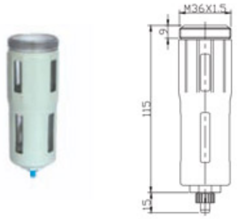
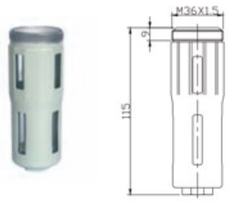
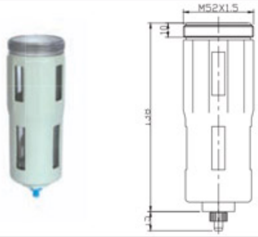
Specification			TIU–8	TIU–10	TIU–15	TIU–20	TIU–25	TIU–40	TIU–50
Medium Temperature			0–60°C						
Work Pressure			1.0MPa						
Flog Air Flux (L/min)	Intake Pressure MPa	0.10	75	120	140	350	600	1500	
		0.40	140	190	350	750	1200	2000	
		0.63	220	300	480	1100	1600	2300	
		(0.80)	240	400	630	1400	1800	2600	
		1.00	300	470	650	1500	2100	3000	
Air Flux (L/min)	Intake Pressure MPa	0.10	140	200	270	710	1250	4000	
		0.40	390	590	900	2250	3250	12000	
		0.63	540	900	1450	3350	4950	19000	
		(0.80)	810	1200	1900	4050	5600	25000	
		1.0	1000	1650	2100	5050	6300	31000	
Lubricating Oil Flux Is 0 ~ 120 Drops/min and Can Be Adjusted Equabley	Working Pressure 0.4MPa	Vent Pressure L/min							
		250	590	900	2250	3250	350	1200	
Drain Holding Capacity		200cm3				400cm3			

Figure Dimension

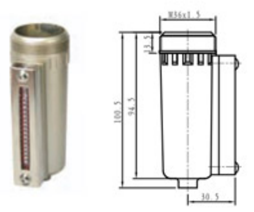
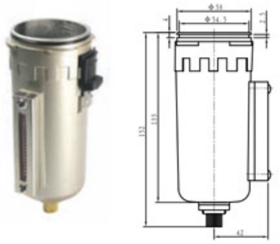
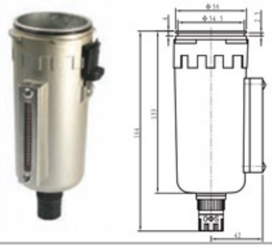


Type	d	A	D	D1	L0	L1	L2	L ≈
TIU–8	G1/4	90	ϕ70	ϕ88	13.5	114	69	200
TIU–10	G3/8							
TIU–15	G1/2							
TIU–20	G3/4	115	ϕ90	ϕ110	21	21	74	250
TIU–25	G1							
TIU–40	G1 1/2	115	ϕ90	ϕ110	32	32	105	270
TIU–50								

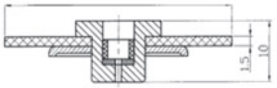
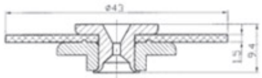
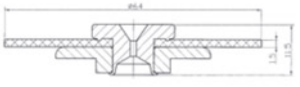
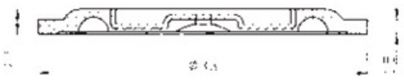
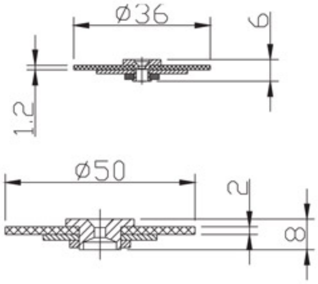
Water cup & Oil cup

			
TF2000 water cup	TL2000 Oil cup	TF3000 water cup	TL3000 Oil cup
Used for: TC2000-02 TC2010-02 TW2000-02 TF2000-02	Used for: TC2000-02 TC2010-02 TL2000-02	Used for: TC3000-03 TC3010-03 TW3000-03 TF3000-03	Used for: TC3000-03 TC3010-03 TL3000-03
			
TF4000 water cup	TL4000 Oil cup	GF2000 water cup	GF3000 water cup
Used for: TC4000-04 TC5000-10 TC4010-04 TC5010-10 TW4000-04 TW5000-10 TF4000-04 TF5000-10	Used for: TC4000-04 TC5010-10 TC4010-04 TL5000-10 TL4000-04 TC5000-10	Used for: GF2000 GC2000 GFR2000 GFC2000	Used for: GF3000 GC3000 GF4000 GC4000 GFR3000 GFC3000 GFR4000 GFC4000
			
GL3000 Oil cup	TF1000 water cup	TL1000 Oil cup	LF08 water cup
Used for: GC3000 GL3000 GC4000 GL4000 GFC3000 GFC4000	Used for: TC1000-M5 TC1010-M5 TF1000-M5 TW1000-M5	Used for: TC1000-M5 TC1010-M5 TL1000-M5	Used for: LF-06-MINI LF-06-D-MINI LF-08-MINI LF-06-D-MINI LF-10-MINI LF-06-D-MINI
			
LOE08 Oil cup	LF010 water cup	LOE10 Oil cup	
Used for: LOE-06-MINI LOE-08-MINI LOE-10-MINI	Used for: LF-06-MINI LF-06-D-MINI LF-08-MINI LF-08-D-MINI LF-10-MINIT LF-10-D-MINI	Used for: LOE-10-MIDI LOE-15-MIDI	

Water cup & Oil cup

			
TF2000 water cup	TF2000 Oil cup	TF3000 water cup	TF4000 water cup
Used for: TC2000-02M TC2000-02DM TC2010-02M TC2010-02DM TW2000-02M TW2000-02DM TF2000-02M TF2000-02DM	Used for: TC2000-02M TC2010-02M TL2000-02M	Used for: TC3000-03M TC3010-03M TW3000-03M TF3000-03M	Used for: TC4000-04M TC5000-10M TC4010-04M TC5010-10M TW4000-04M TW5000-10M TF4000-04M TF5000-10M
			
TL3000 Oil cup	TL4000 Oil cup	TF3000 Auto drain cup	TF4000 Auto drain cup
Used for: TC3000-03M TC3010-03M TL3000-03M	Used for: TC4000-04M TC5000-10M TC4010-04M TC5010-10M TL4000-04M TL5000-10M	Used for: TC3000-03DM TC3010-03DM TW3000-03DM TF3000-03DM	Used for: TC4000-04DM TC5000-10DM TC4010-04DM TC5010-10DM TW4000-04DM TW5000-10DM TF4000-04DM TF5000-10DM

Diagram

Type	Image	Overall structure	Use for
TR2000			TC2000-02 TC2010-02 TR2000-02 TW2000-02
TR3000			TC3000-03 TC3010-03 TR3000-03 TW3000-03
TR4000			TC4000-04 TC5000-10 TC4010-04 TC5010-10 TR4000-04 TR5000-10 TW4000-04 TW5000-10
GR2000			GR1500 GFR1500 GC1500 GFC1500 GR2000 GFR2000 GC2000 GFC2000 GR3000 GFR3000 GC3000 GFC3000 GR4000 GFR4000 GC4000 GFC4000
LR-08/LR-15			LC-06-MINI LC-08-MINI LC-10-MINI LC-06-D-MINI LC-08-D-MINI LC-10-D-MINI LRC-06-MINI LRC-08-MINI LRC-10-MINI LRC-06-D-MINI LRC-08-D-MINI LRC-10-D-MINI LR-06-MINI LR-08-MINI LR-10-MINI LFR-06-MINI LFR-08-MINI LFR-10-MINI LFR-06-D-MINI LFR-08-D-MINI LFR-10-D-MINI LC-10-MIDI LC-15-MIDI LC-10-D-MIDI LC-15-D-MIDI LRC-10-MIDI LRC-15-MIDI LRC-10-D-MIDI LRC-15-D-MIDI LR-10-MIDI LR-15-MIDI LRC-10-MIDI LRC-15-MIDI LRC-10-D-MIDI LRC-15-D-MIDI

Oil level glass

Ordering code：
TL2000—02
TL3000—03
TL4000—04
TL5000—10

Ordering code：
GL2000
GL3000
GL4000

Junction block

TC2000—02
TC3000—03
TC4000—04
TC4000—06
TC5000—10

L Series

TC2010—02
TC3010—03
TC4010—04
TC4010—06
TC5010—10

T Series

GC2000
GC3000
GC4000

single eye Series

GFC2000
GFC3000
GFC4000

Double eyes Series

Filter element

Copper filter elements

Plastic filter elements

TF2000 TW2000 TF3000 TW3000
TF4000 TW4000 TF5000 TW5000
GF2000 GFR2000 GF3000 GFR3000
GF4000 GFR4000

Ordering Code

Y — K — ☐ — BF — ☐

- Y: Pressure Gauge
- K: Aseismatic
- Diameter:
  - 60
  - 100
  - 150
  - 200
- BF: Stainless Steel
- Structure Type:
  - Ⅰ: radial boundless
  - Ⅱ: radial behind
  - Ⅲ: axial front
  - Ⅳ axial boundless
  - Ⅴ: radial front

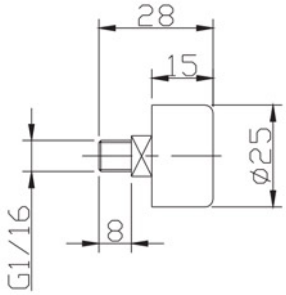
Technical Parameter

Type	Y25	Y30	Y40	Y50	Y60	YK60	Y100	YK100
Diameter	ϕ25	ϕ30	ϕ04	ϕ50	ϕ60		ϕ100	
Pipe Thread	G1/16	G1/8		G1/4	M14x1.5		M20x1.5	
Precision	2.5						1.5	
Measure MPa	0 ~ 0.25,0 ~ 0.4,0 ~ 1.0,0 ~ 1.6,0 ~ 2.5, 0 ~ 4				0 ~ 1, 0 ~ 1.6,0 ~ 2.5,0 ~ 4,0 ~ 6, 0 ~ 10,0 ~ 16,0 ~ 25			
Aseismatic Grade	V.H.4							
Environment Temperature	-40 ~ 70℃							

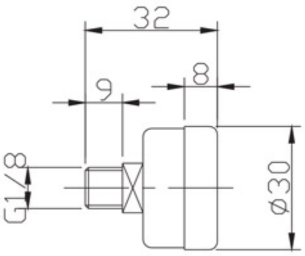
Note: The thread type could be made to order

● Feature: smart action, a variety of installation, various pressure ranges, easy to use. Production of high precision.

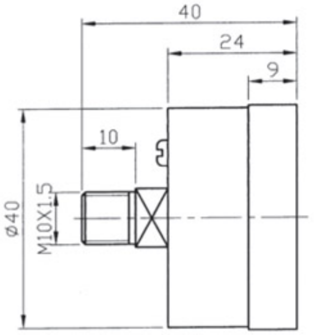
Y25



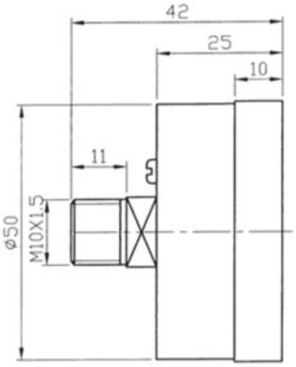
Y30



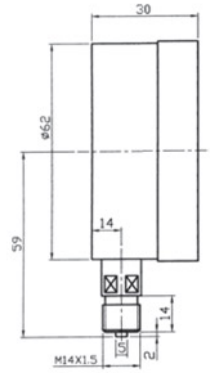
Y40



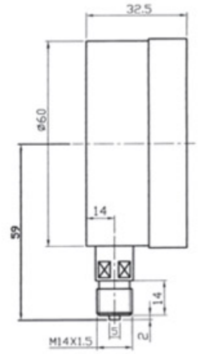
Y50



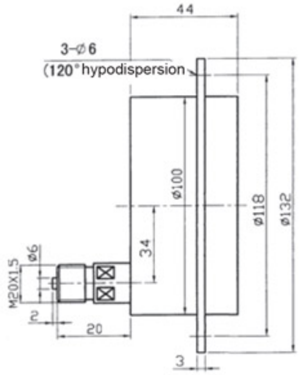
YBF60 Steel Barrel Pressure Gauge



YK60 Aseismatic Pressure Gauge



YBF100 Steel Barrel Pressure Gauge



YK100 Aseismatic Pressure Gauge