





● TC2010-02D



● TC3010-03D



● TC4010-04D



● TC5010-06D  
TC5010-10D



● MB - Optional  
Metal Bowl

**Air Source Treatment: 2 Piece Modular**  
Standard modular design. Can be freely separated and combined. The product is simple to operate, complete with wall bracket and gauge.

■ Graphics Sign



● Ordering Code

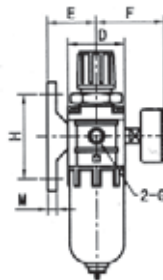
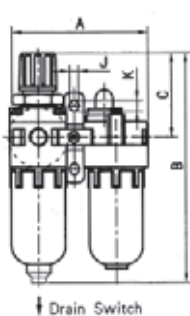
<b>TC</b>	<b>2010</b>	<b>02</b>	<b>D</b>
Series	Type	Pipe Size	D: Auto Drain (Standard)
TC	TC	02: G 1/4	MB: Full Metal Bowl with sight glass (Optional)
TC	TC	03: G 3/8	
TC	TC	04: G 1/2	
TC	TC	06: G 3/4	
TC	TC	10: G1	

■ Technical Parameter

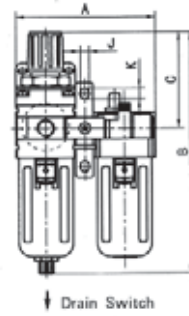
Specification	TC2010-02D	TC3010-03D	TC4010-04D	TC5010-06D	TC5010-10D	
Medium	Air					
Rating Flow (L / min)	500	1700	3000	4000	4000	
Filtration	5 micron					
Pressure Range	0.5 ~ 8 BAR (8 ~ 125psi)					
Temperature Range	0 ~ 60°C					
Recommended Lubricating Oil	ISO VG32 or Equivalent					
Type of Valve	Relief Type					
Gauge Port	G 1/8		G 1/4			
Components	Filter Regulator	TW2000-02D	TW3000-03D	TW4000-04D	TW5000-06D	TW5000-10D
	Air Lubricator	TL2000-02	TL3000-03	TL4000-04	TL5000-06	TL5000-10

■ Figure Dimension

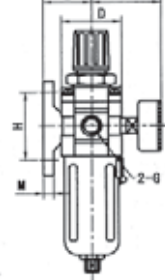
● TC2010-02D



● TC3010-03D  
TC5010-06D



TC4010-04D  
TC5010-10D



Type	A	B	C	D	E	F	G	H	K	J	M	Auto Drain
												B
TC2010-02D	90	165	78	40	57	30	G 1/4	48	8.5	5.5	5	187.5
TC3010-03D	117	211	92	53	61	41	G 3/8	70	11	7	7	248.5
TC4010-04D	154	263	112	70	70.5	50	G 1/2	80	11	9	7	300
TC5010-06D	198	312	114	90	70.5	70	G 3/4	100	13	10	10	349
TC5010-10D	198	312	114	90	70.5	70	G1	100	13	10	10	349



● TR2000-02



● TR3000-03



● TR4000-04



● TR5000-06  
TR5000-10

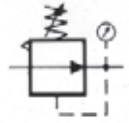


● TR-12  
TR-14

### Air Regulator:

Balanced inlet with relief device. Has the advantage of stable pressure, fast response and firm lockup. Can be freely combined with other air treatment products. Complete with wall bracket and gauge.

### Graphics Sign



### Ordering Code

TR	—	2000	—	02
Series	—	Type	—	Pipe Size
TR	—	2000	—	02: G 1/4
TR	—	3000	—	03: G 3/8
TR	—	4000	—	04: G 1/2
TR	—	5000	—	06: G 3/4
TR	—	5000	—	10: G 1
TR	—		—	12: G 1½
TR	—		—	14: G 2

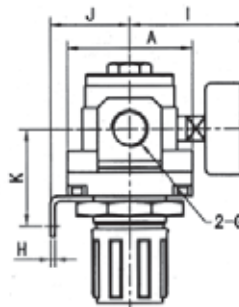
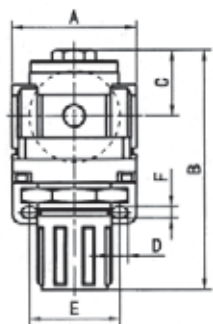
### Technical Parameter

Specification	TR2000-02	TR3000-03	TR4000-04	TR5000-06	TR5000-10	TR-12	TR-14
Medium	Air						
Rating Flow (L / min)	550	2500	6000	8000	8000	0.5 ~ 16 BAR (8 ~ 235psi)	
Pressure Range	0.5 ~ 8.5 BAR (8 ~ 125psi)			16 BAR (Optional)			
Temperature Range	0 ~ 60°C						
Type of Valve	Relief Type						
Gauge Port	G 1/8			G 1/4			G 1/8

See page 7 for high pressure air regulators

### Figure Dimension

- TR2000-02
- TR3000-03
- TR4000-04
- TR5000-06
- TR5000-10
- TR-12
- TR-14



Machinability Hole In Panel



TR2000-3000, Max Thickness 3.5  
TR4000-5000, Max Thickness 5

Type	A	B	C	D	E	F	G	H	I	J	K	P
TR2000-02	40	95	17	15.4	34	5.4	G 1/4	2.3	57	30	45	33.5
TR3000-03	53	128	35	8	40	6.5	G 3/8	2.3	61	41	46	42.5
TR4000-04	70	150	37	10.5	54	8.5	G 1/2	2.3	65.5	50	54	52.5
TR5000-06	90	168	48	13	66	11	G 3/4	3.2	75.5	70	66	52.5
TR5000-10	90	168	48	13	66	11	G1	3.2	75.5	70	66	52.5
TR-12	130	280	60	—	—	—	G1½	—	100	—	—	—
TR-14	130	280	60	—	—	—	G2	—	100	—	—	—



● TF2000-02D



● TF3000-03D



● TF4000-04D



● TF5000-06D  
TF5000-10D  
TF-12  
TF-14



● MB - Optional  
Metal Bowl

**Air Filter:**

Mainly used for cleaning and elimination of various impurities in the compressed air from compressors. Automatic discharge structure, long service life and reliability. Complete with wall bracket up to 1".

■ Graphics Sign



● Ordering Code

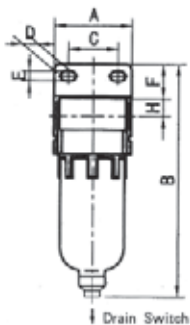
<b>TF</b>	<b>2000</b>	<b>02</b>	<b>D</b>
Series	Type	Pipe Size	D: Auto Drain (Standard)
TF	2000	02: G 1/4	MB: Full Metal Bowl with sight glass (Optional)
TF	3000	03: G 3/8	
TF	4000	04: G 1/2	
TF	5000	06: G 3/4	
TF	5000	10: G1	
TF		12: G1-1/2	
TF		14: G2	

■ Technical Parameter

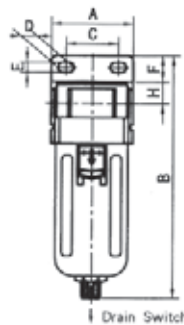
Specification	TF2000-02D	TF3000-03D	TF4000-04D	TF5000-06D	TF5000-10D	TF-12	TF-14
Medium	Air						
Rating Flow (L / min)	750	1500	4000	7000	7000	50 micron	
Filtration	5 micron					50 micron	
Max Pressure	0 ~ 10 BAR (0 ~ 150psi)						
Temperature Range	0 ~ 60°C						
Drain Holding Capacity	15cm <sup>3</sup>	20cm <sup>3</sup>	45cm <sup>3</sup>		130cm <sup>3</sup>		

■ Figure Dimension

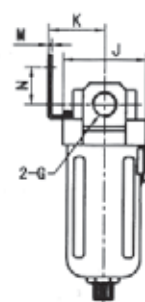
● TF2000-02D



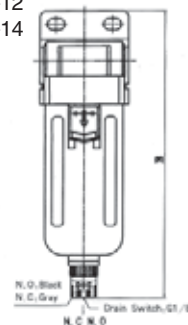
● TF3000-03D



TF4000-04D



● TF5000-06D  
TF5000-10D  
TF-12  
TF-14



Type	A	B	C	D	E	F	G	H	J	K	N	Auto Drain
												B
TF2000-02D	40	135	27	8.4	5.4	17	G 1/4	11	40	30	2.3	135
TF3000-03D	53	132	40	8	6.5	17	G 3/8	14	53	41	2.3	187
TF4000-04D	70	168	54	10	8.5	17	G 1/2	18	70	50	2.3	223
TF5000-06D	90	248	56	13	11	23	G 3/4	24	90	70	3.2	302
TF5000-10D	90	248	56	13	11	23	G 1	24	90	70	3.2	302
TF-12	120	280	—	—	—	—	G 1-1/2	—	—	—	—	280
TF-14	120	280	—	—	—	—	G 2	—	—	—	—	280



● TL2000-02



● TL3000-03



● TL4000-04



● TL5000-06  
TL5000-10  
TL-12  
TL-14



● MB - Optional  
Metal Bowl

**Air Lubricator:**

High oil/air ratios over a wide range of flows. Can be freely combined with other air-source treatment products. Complete with wall bracket up to 1".

■ Graphics Sign



● Ordering Code

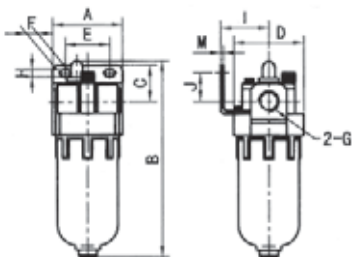
<b>TL</b>	<b>2000</b>	<b>02</b>	<b>MB</b>
Series	Type	Pipe Size	MB: Full Metal Bowl with sight glass (Optional)
TL	2000	02: G 1/4	
TL	3000	03: G 3/8	
TL	4000	04: G 1/2	
TL	5000	06: G 3/4	
TL	5000	10: G1	
TL		12: G 1-1/2	
TL		14: G 2	

■ Technical Parameter

Specification	TL2000-02	TL3000-03	TL4000-04	TL5000-06	TL5000-10	TL-12	TL-14	
Medium	Air							
Rating Flow (L / min)	800	1700	5000	7000	7000	0 ~ 10 BAR (0 ~ 150psi)		
Max Pressure	0.5 ~ 8 BAR (8 ~ 125psi)							
Temperature Range	0 ~ 60°C							
Recommended Lubricating Oil	ISO VG32 or Equivalent							
Min. Flow for Oil Drip	15L/min	30L/min	50L/min	50L/min	190L/min			
Oil Capacity	25cm <sup>3</sup>	50cm <sup>3</sup>	130cm <sup>3</sup>					

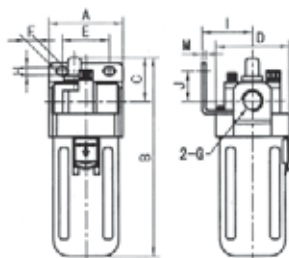
■ Figure Dimension

● TL2000-02



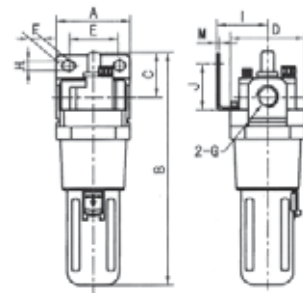
● TL3000-03

TL4000-04



● TL5000-06  
TL5000-10

TL-12  
TL-14



Type	A	B	C	D	E	F	G	H	I	J	M
TL2000-02	40	122	38	40	27	8.4	G 1/4	5.4	30	22	2.3
TL3000-03	53	142	38	53	40	8	G 3/8	6.5	41	23	2.3
TL4000-04	70	177	41	70	54	10.5	G 1/2	8.5	50	26	2.3
TL5000-06	90	254	45	90	66	13	G 3/4	11	70	35	3.2
TL5000-10	90	254	45	90	66	13	G 1	11	70	35	3.2
TL-12	130	280	—	—	—	—	G 1-1/2	—	—	—	—
TL-14	130	280	—	—	—	—	G 2	—	—	—	—



● TW2000-02D



● TW3000-03D



● TW4000-04D



● TW5000-06D  
TW5000-10D

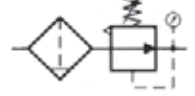


● MB - Optional  
Metal Bowl

### Filter Regulator: Combination Unit

Combined filter and regulator. Not only can it provide clean and dry air for a pneumatic system, but also ensure the steady regulated pressure of the air supply. Complete with wall bracket

### Graphics Sign



### Ordering Code

<b>TW</b>	<b>2000</b>	<b>02</b>	<b>D</b>
Series	Type	Pipe Size	D: Auto Drain (Standard)
TW	2000	02: G 1/4	MB: Full Metal Bowl with sight glass (Optional)
TW	3000	03: G 3/8	
TW	4000	04: G 1/2	
TW	5000	06: G 3/4	
TW	5000	10: G1	

### Technical Parameter

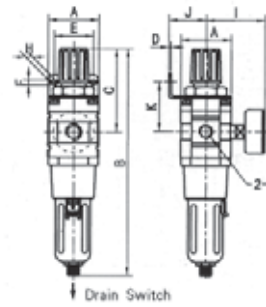
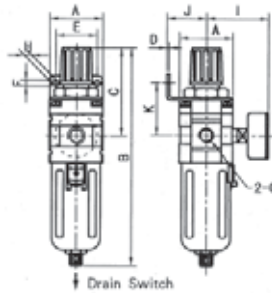
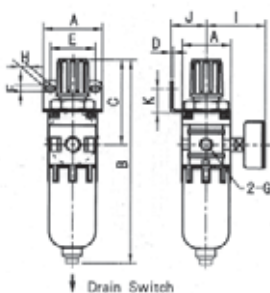
Specification	TW2000-02D	TW3000-03D	TW4000-04D	TW5000-06D	TW5000-10D
Medium	Air				
Rating Flow (L / min)	550	2000	4000	5000	5000
Filtration	5 micron				
Pressure Range	0.5 ~ 8.5 BAR (8 ~ 125psi)				
Temperature Range	0 ~ 60°C				
Type of Valve	Relief Type				
Gauge Port	G 1/8		G 1/4		

### Figure Dimension

● TW2000-02D

● TW3000-03D TW4000-04D

● TW5000-06D  
TW5000-10D



Machinability Hole in Panel

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

Type	A	B	C	D	E	F	G	H	I	J	K	N	Auto Drain
													B
TW2000-02D	40	187.5	78	2.3	34	5.4	G 1/4	15.4	57	30	45	33.5	187.5
TW3000-03D	53	211	92	2.3	40	6.5	G 3/8	8	61	41	46	42.5	248.5
TW4000-04D	70	263	112	2.3	54	8.5	G 1/2	10.5	70.5	50	54	52.5	300
TW5000-06D	90	312	114	3.2	66	11	G 3/4	13	75.5	70	66	52.5	349
TW5000-10D	90	312	114	3.2	66	11	G1	13	75.5	70	66	52.5	349

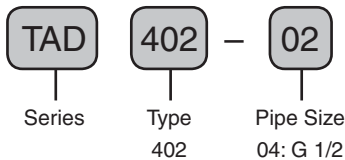
■ **Auto Drain**

**Applications:**

The special design of the TAD Series Auto Drain can help remove the water and oil collected in the lower chamber of the air compressor, separator, air dryer, air filter, drop leg, etc. Must be installed in the vertical position as shown.



● **Ordering Code**



■ **Technical Parameter**

Specification	TAD402-04
Pressure Range	1.5 ~ 10 BAR (20 ~ 150psi)
Temperature Range	0 ~ 60°C
Outfall Size	G 1/2
Operating Medium	Compressed Air

■ **Isolating Valve**

Suitable for isolating the air supply from the air service equipment. The valve exhausts the downstream air so the equipment can be maintained.



● SH-06



● SH-15

■ **Technical Parameter**

Specification	Item	Pipe Size	Nominal Diameter (mm)
	SH-06	G 1/8	6
	SH-08	G 1/4	8
	SH-10	G 3/8	10
	SH-15	G 1/2	15

■ **High Pressure Regulator and Filter**

36 BAR (INLET) 530PSI



● TYH-8  
● TYH-15

● TYH-20  
● TYH-25

● TSH-8  
● TSH-15

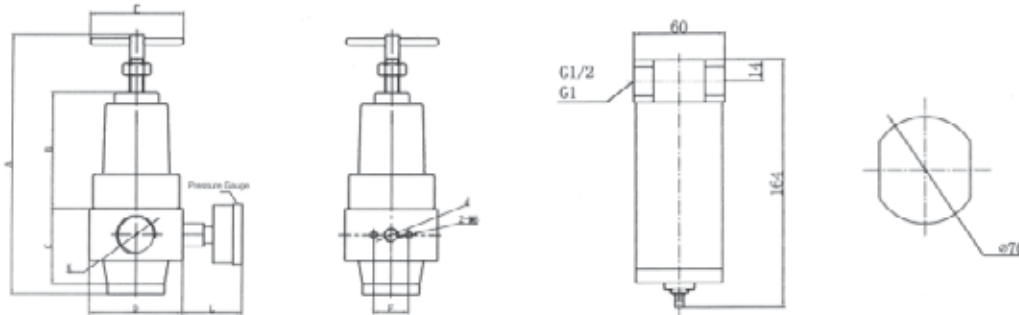
■ **Graphics Sign**



● TYH-□



● TSH-□



Type	K	A	B	C	D	E	F	d	L
TYH-8	G 1/4	150	73	48	55x55	80	30	G 1/4	52
TYH-10	G 3/8	150	73	48	55x55	80	30	G 1/4	52
TYH-15	G 1/2	150	73	48	55x55	80	30	G 1/4	52
TYH-20	G 3/4	224	91	65	55x55	92	30	G 1/4	52
TYH-25	G1	224	91	65	55x55	92	30	G 1/4	52

■ **Technical**

**Regulator**

Model	TYH-8~25
Pressure Range	5 ~ 36 BAR (70 ~ 530 PSI)
Temp.	-10 ~ 60°C

**Filter**

Model	TSH-8~15
Pressure Range	0 ~ 36 BAR (0 ~ 530 PSI)
Temp.	0 ~ 60°C

■ Auto Drain – CRD Electronic c/w Y strainer & isolating ball valve



MODEL	FUNCTION		ORIFICE Ø mm	PRESSURE (Bar)		MEDIA TEMP deg. C	WEIGHT kg	TIMES		
	BSP			AC	DC			ON (sec)	OFF (min)	
<b>SOLENOID VALVE c/w TIMER &amp; STRAINER WITH BALL VALVE</b>										
CRD-4-4.5-*VY	NC	1/2	4.5	0-16	0-16	0   +90	0.7			
CRD-4-2.8-*VY	NC	1/2	2.8	0-40	0-40		0.7	0.5-10	1-45	
<b>SOLENOID VALVE c/w TIMER &amp; STRAINER/BALL VALVE AND 240VAC FLEX 1.7M</b>										
CRD-4-4.5-*VYF	NC	1/2	4.5	0-16	0-16	0   +90	0.9			
CRD-4-2.8-*VYF	NC	1/2	2.8	0-40	0-40		0.9	0.5-10	1-45	
<b>INDIVIDUAL COMPONENTS</b>										
CV-4-4.5-*V	1/2 Solenoid valve N.C. 0-16 Bar							0.38		
TEC - 22A	Timer only 24-240v AD/DC							0.05	0.5-10	1-45
CS-S95	1/2" Y STRAINER & BALL VALVE							0.25		

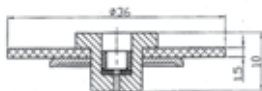
\* Voltage Code – 1 - 240V AC – 5 - 24V AC – 8 - 24V DC

F.R.L Model		Bowl Dimension	Bowl Part Number	5 Micron Filter Element	
(Filter)	(Lubricator)			Model	Part Number
TC2010-02 TW2000-02 TF2000-02	TC2010-02 TL2000-02		SP-TF2000B Water Bowl SP-TL2000B Oil Bowl	TC2000-02 TC2010-02 TW2000-02 TF2000-02	SP-TF2000E
TC3010-03 TW3000-03 TF3000-03	TC3010-03 TL3000-03		SP-TF3000B Water Bowl SP-TL3000B Oil Bowl	TC3000-03 TC3010-03 TW3000-03 TF3000-03	SP-TF3000E
TC4000-04 TC4010-04 TW4000-04 TF4000-04	TC4000-04 TC4010-04 TL4000-04		SP-TF4000B Water Bowl SP-TL4000B Oil Bowl	TC4000-04 TC4010-04 TW4000-04 TF4000-04	SP-TF4000E
TC5010-06/10 TW5000-06/10 TF5000-06/10	TC5010-06 TC5010-10 TL5000-06 TL5000-10		SP-TF5000B Water Bowl SP-TL5000B Oil Bowl	TC5010-06/10 TW5000-06/10 TF5000-06/10	SP-TF5000E

● SP-TR2000D Diaphragm



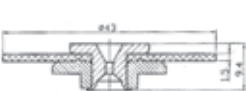
F.R.L. Model  
TC2010-02  
TR2000-02  
TW2000-02



● SP-TR3000D Diaphragm



F.R.L. Model  
TC3010-03  
TR3000-03  
TW3000-03



● SP-TR4-5000D Diaphragm



F.R.L. Model  
TC4010-04  
TR4000-04  
TW4000-04  
TC5010-10  
TR5000-10  
TW5000-10



**PROCESS SYSTEMS** PTY LTD

A.B.N. 15 010 932 386

Email: sales@processsystems.com.au  
P.O. Box 2070 Wellington Pt. Qld. 4160  
Corner Lytton & Ramsay Rd. Hemmant, Brisbane  
Queensland 4174 Australia

Website: www.valvesonline.com.au  
Int. Fax +61 7 3890 3133  
Phone 1300 887 880 (6 lines)  
Int. Phone: +61 7 3890 3122

**WARNING**

These products are intended for use in industrial applications only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data' and in our individual 'Series' data sheets. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Process Systems Pty Ltd.

Through misuse, age, or malfunction, components used in industrial valve applications can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in industrial valve applications and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

**System designers must provide a warning to the user in the system instructional manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings or specifications found in instruction sheets or labels packed or attached and shipped with the products.

Our policy is one of continuous research and development. We therefore reserve the right to amend without notice the specifications given in this document or our individual 'Series' data sheets.

**WARRANTY INFORMATION**

Series Air Service Equipment and all other products manufactured or distributed by Process Systems Pty. Ltd. are warranted by Process Systems to be free of defects in material and workmanship for a period of 1 year from the date of purchase or as the manufacturer warrants. Process Systems obligation under this warranty is limited to repair or replacement of the defective product or refund of the purchase price paid solely at the discretion of Process Systems and provided such defective product is returned to Process Systems freight prepaid and upon examination by Process Systems such product is found defective. This warranty shall be void in the event that the product has been subject to misuse, misapplication, improper maintenance, modification or tampering. This warranty is expressed in lieu of all other warranties, expressed or implied from Process Systems Pty. Ltd. representatives or employees. Process Systems reserves the right to change Valve and Brochure specifications without notice.