DPC PRODUCT

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PAL

PAL - 300

PAL - 500

Product description

- Modular design. ◦
- The body material is engineering plastic that has well character for chemical and fatigue resistance.
- It can be used in different environment, like as boreal area, chemical environment and clean room etc...
- The port size depends on the connectors, which are easy changed and can reduce the stock cost.
- Diaphragm design with high flow capacity.
- Lubricator can be filled under pressure.

Specifications

Series	PAL-300	PAL-500
Port size	1/4" , 3/8" , 1/2"	1/2" , 3/4" , 1"
Port size of pressure gauge	1/4"	
Max. supply pressure	10 bar	
Operating pressure range	0.5-7 bar	
Ambient and media temperature	5 - 60 ℃	
Filtration	40 μm	
Oil mist removal rate	ISO VG32	
Bowl capacity (Filter)	45 c.c.	140 c.c.
Bowl capacity (Lubricator)	100 c.c.	275 c.c.
Standard drain type	Pressure differential auto-drain.(1)	Semi auto-drain(2)

1. The drain valve will open when the bowl pressure is less then the original setting; and will close while the bowl pressure reach the original setting.
2. The semi auto drain will open while the pressure is under 0.7 bar, and close while the pressure is above 1.2 bar.

Material

Name	Standard	Optional
Body	Engineering Plastic (Nylon)	
Bowl	Polycarbonate	Aluminum
Element	Bronze	

Accessory

Name	Optional
Filtration	5 μm
Drain	Auto drain Manual drain
Gauge	Liquid filled pressure gauge

PAL-300



FR&L(M)
Weight (KG)
1.13 (PC Bowl)
1.22 (Metal Bowl)



FRL(MM)
Weight (KG)
1.39 (PC Bowl)
1.48 (Metal Bowl)



Filter & Regulator
Weight (KG)
0.77 (PC Bowl)
0.82 (Metal Bowl)



Filter
Weight (KG)
0.50 (PC Bowl)
0.55 (Metal Bowl)



Lubricator
Weight (KG)
0.50 (PC Bowl)
0.55 (Metal Bowl)



Regulator
Weight (KG)
0.63

PAL-500



FR&L(M)
Weight (KG)
1.97 (PC Bowl)
2.06 (Metal Bowl)



FRL(MM)
Weight (KG)
2.30 (PC Bowl)
2.39 (Metal Bowl)



Filter & Regulator
Weight (KG)
1.20 (PC Bowl)
1.34 (Metal Bowl)



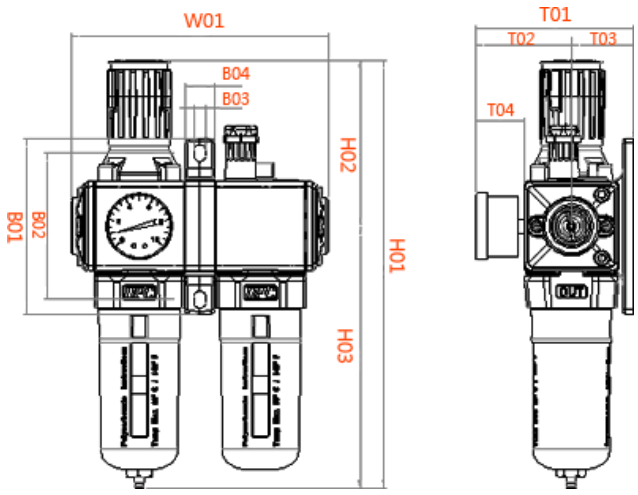
Filter
Weight (KG)
0.76 (PC Bowl)
0.90 (Metal Bowl)



Lubricator
Weight (KG)
0.73 (PC Bowl)
0.87 (Metal Bowl)

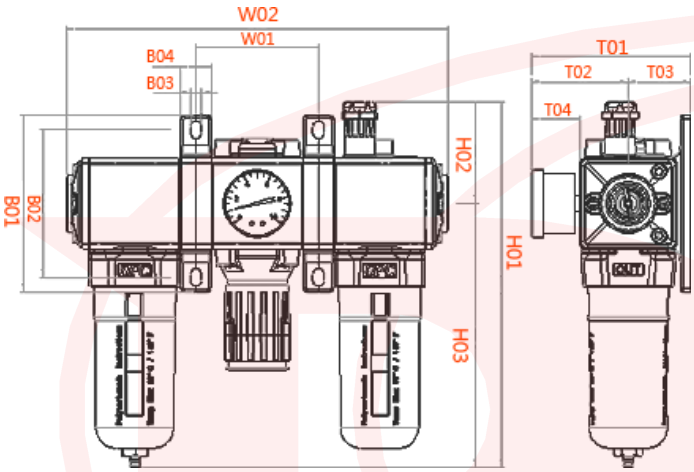


Regulator
Weight (KG)
0.97



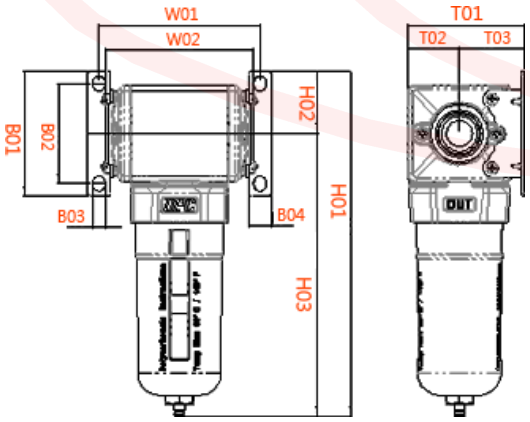
(mm)	W01	H01	H02	H03	T01	T02
PAL300	159	249	90	159	98.5	63.5
PAL500	194	330	125	205	119	72

	T03	T04	B01	B02	B03	B04
PAL300	35	36	110	91	6.5	23
PAL500	47	36	132	110.5	8.4	23



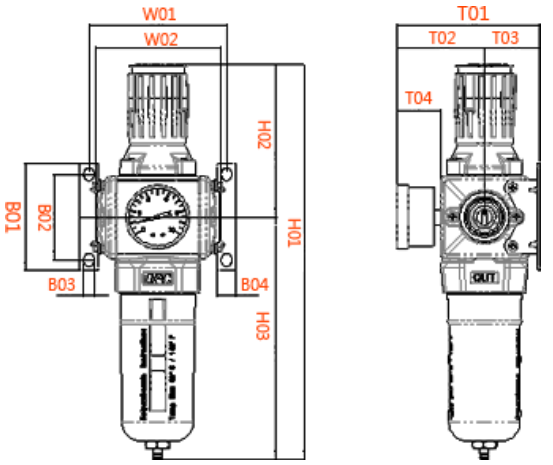
(mm)	W01	W02	H01	H02	H03	T01	T02
PAL300	75.5	235	227	68	159	98.5	63.5
PAL500	91.5	286	281	76	205	119	72

	T03	T04	B01	B02	B03	B04
PAL300	35	36	110	91	6.5	23
PAL500	47	36	132	110.5	8.4	23



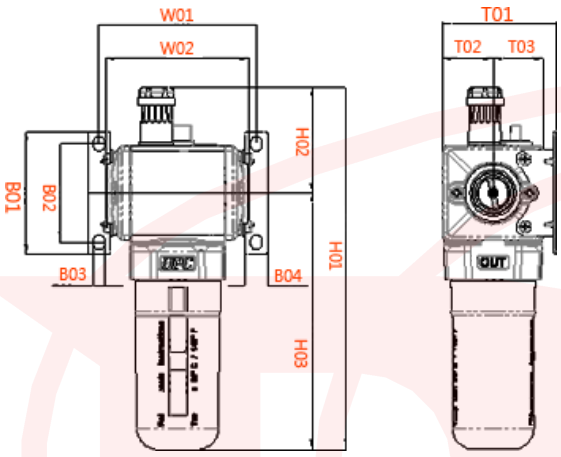
(mm)	W01	W02	H01	H02	H03	T01	T02
PAL300	91	85	187.5	31.5	156	62.5	27.5
PAL500	114	103	253	48	205	83	36

	T03	B01	B02	B03	B04
PAL300	35	63	50	6.5	12
PAL500	47	96	78	8.5	16



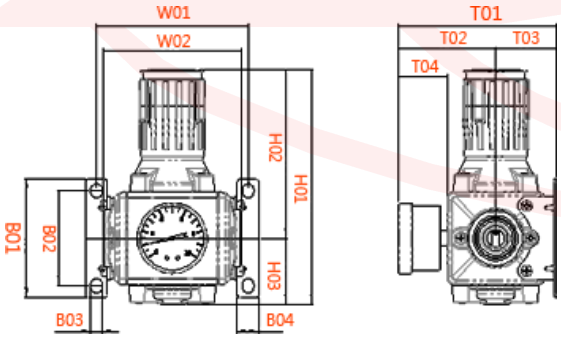
(mm)	W01	W02	H01	H02	H03	T01	T02
PAL300	91	85	249	90	159	98.5	63.5
PAL500	114	103	330	125	205	119	72

	T03	T04	B01	B02	B03	B04
PAL300	35	36	63	50	6.5	12
PAL500	47	36	96	78	8.5	16



(mm)	W01	W02	H01	H02	H03	T01	T02
PAL300	91	85	221	68	153	62.5	27.5
PAL500	114	103	269	76	193	83	36

	T03	B01	B02	B03	B04
PAL300	35	63	50	6.5	12
PAL500	47	96	78	8.5	16



(mm)	W01	W02	H01	H02	H03	T01	T02
PAL300	91	85	127	90	37	98.5	63.5
PAL500	114	103	174	125	49	119	72

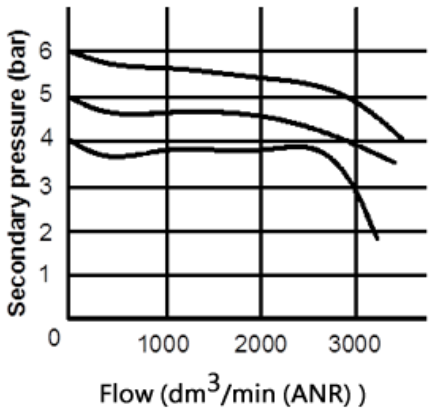
	T03	T04	B01	B02	B03	B04
PAL300	35	36	63	50	6.5	12
PAL500	47	36	96	78	8.5	16

Flow Characteristics

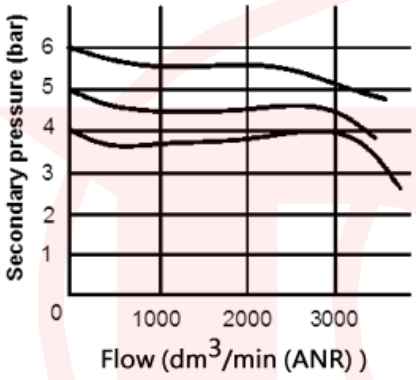
Supply pressure: 8 bar

PAL-300 1/2"

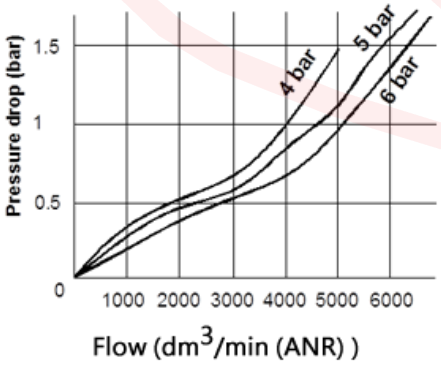
Filter & Regulator



Regulator

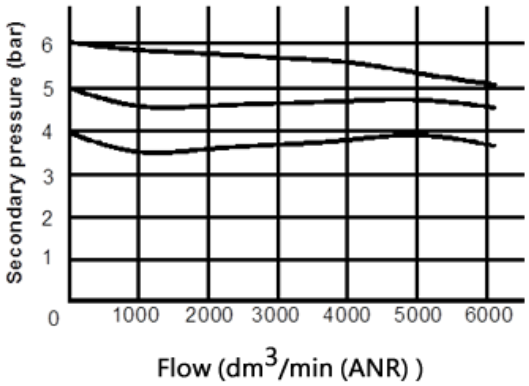


Lubricator

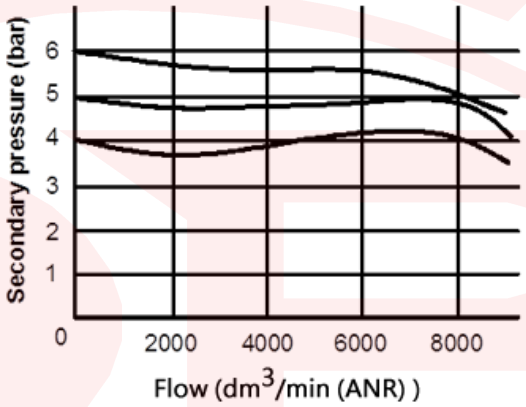


PAL-500 1"

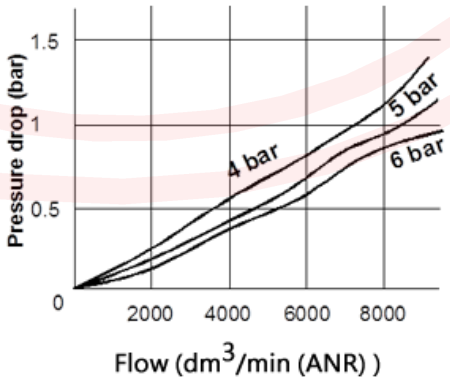
Filter & Regulator



Regulator



Lubricator



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