

AHP03

Aluminum filter

AHP filters are used to protect individual valves or the hydraulic systems.

Two versions AHP03 and AHP04 are available with operating pressure at 105 bar (1500 psi) and flow rate up to 100 LPM (379 GPM).

They can be directly connected to the hydraulics system through the hydraulic fitting ports.

Rating

Operating pressure : 105 bar (1500 psi)

Max. operating pressure: 140 bar (2000 psi)

Element ΔP : 210 bar

Flow Rate: 15-100 LPM

Material of construction

Head: Aluminum 6061-T6

Housing: Aluminum 6061-T6, forging press



MODEL CONFIGURATION

AHP03 - 2 - A03 - 3 P - 0 - N

① ② ③ ④ ⑤ ⑥

① **Series** Aluminum filter

② **Length, H**

Code	Length, H (mm)	Weight (kg) *without element
1	133	0.8
2	171	1.1
3	234	1.3

③ **Filtration Element**

Code	Flow rate (LPM)			Filtration Rating
	Length 1	Length 2	Length 3	
A03	15	20	30	Microfiber 3 μ m, $\beta \geq 1000$
A06	20	35	40	Microfiber 6 μ m, $\beta \geq 1000$
A10	35	50	60	Microfiber 10 μ m, $\beta \geq 1000$
A25	50	70	80	Microfiber 25 μ m, $\beta \geq 1000$
T40	75	90	100	Wire mesh 40 μ m

* This table display a part of filter elements.
If other filtration rating is required, please contact factory.

④ **Thread Port**

3 3/8"
P PT N NPT G BSP

⑤ **Indicator**

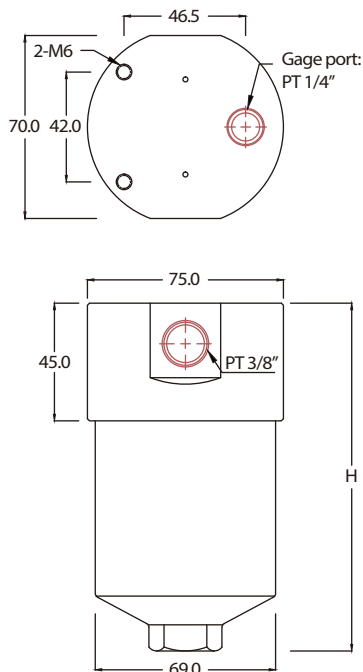
0 None, with gage port PT 1/4"

⑥ **Seal**

N NBR V Viton

DIMENSIONAL DRAWING

mm



AHP04

Aluminum filter

AHP filters are used to protect individual valves or the hydraulic systems.

Two versions AHP03 and AHP04 are available with operating pressure at 105 bar (1500 psi) and flow rate up to 100 LPM (379 GPM).

They can be directly connected to the hydraulics system through the hydraulic fitting ports.

Rating

Operating pressure : 105 bar (1500 psi)

Max. operating pressure: 140 bar (2000 psi)

Element ΔP : 210 bar

Flow Rate: 15-100 LPM

Material of construction

Head: Aluminum 6061-T6

Housing: Aluminum 6061-T6, forging press



MODEL CONFIGURATION

AHP04 - 2 - A03 - 4 P - 0 - N

① ② ③ ④ ⑤ ⑥

① **Series** Aluminum filter

② **Length, H**

Code	Length, H (mm)	Weight (kg) +without element
1	137	0.9
2	175	1.2
3	238	1.4

③ **Filtration Element**

Code	Flow rate (LPM)			Filtration Rating
	Length 1	Length 2	Length 3	
A03	15	20	30	Microfiber 3 μ m, $\beta \geq 1000$
A06	20	35	40	Microfiber 6 μ m, $\beta \geq 1000$
A10	35	50	60	Microfiber 10 μ m, $\beta \geq 1000$
A25	50	70	80	Microfiber 25 μ m, $\beta \geq 1000$
T40	75	90	100	Wire mesh 40 μ m

* This table display a part of filter elements.
If other filtration rating is required, please contact factory.

④ **Thread Port**

4 1/2"
P PT N NPT G PSP

⑤ **Indicator**

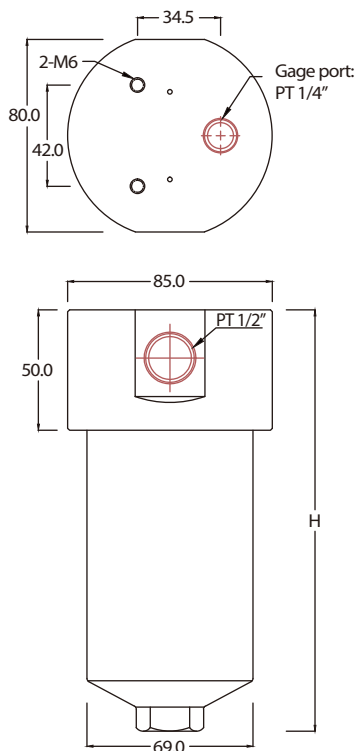
0 None, with gage port PT 1/4"

⑥ **Seal**

N NBR V Viton

DIMENSIONAL DRAWING

mm



AHS06

Aluminum filter

AHS filters are used to protect individual valves or the hydraulic systems.

Three versions AHS06, AHS08 and AHS10 are available with operating pressure at 210 bar (3000 psi) and flow rate up to 600 LPM (2271 GPM).

They can be directly connected to the hydraulics system through the hydraulic fitting ports.

Rating

Operating pressure : 210 bar (3000 psi)

Max. operating pressure: 245 bar (3500 psi)

Element ΔP : 210 bar

Flow Rate: 15-75 LPM

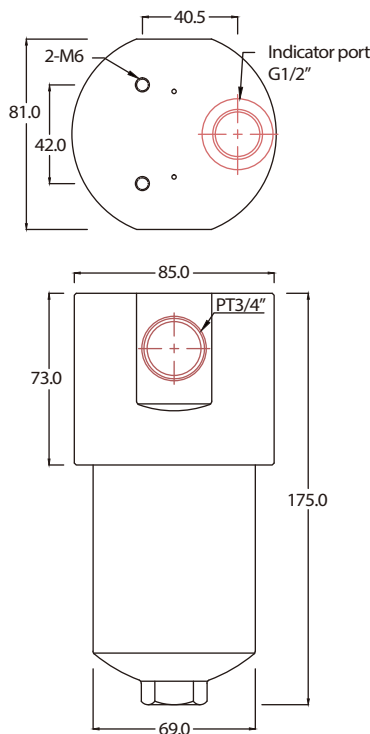
Material of construction

Head: Aluminum 6061-T6

Housing: Aluminum 6061-T6, forging press

DIMENSIONAL DRAWING

mm



MODEL CONFIGURATION

AHS06 - 1 - A06 - 6 P - BE - N

① ② ③ ④ ⑤ ⑥

① **Series** Aluminum filter

② **Length, H**

Code	Length, H (mm)	Weight (kg) +without element
1	175	1.6

③ **Filtration Element**

Code	Flow rate (LPM)	Filtration Rating
	Length 1	
A03	15	Microfiber 3 μ m, $\beta \geq 1000$
A06	20	Microfiber 6 μ m, $\beta \geq 1000$
A10	35	Microfiber 10 μ m, $\beta \geq 1000$
A25	50	Microfiber 25 μ m, $\beta \geq 1000$
T40	75	Wire mesh 40 μ m

* This table display a part of filter elements.
If other filtration rating is required, please contact factory.

④ **Thread Port**

6 3/4"
P PT N NPT G BSP

⑥ **Seal**

N NBR V Viton

⑤ **Indicator**

0 None, with plug
BV Visual indicator
BE Electrical / visual indicator

Standard pressure setting at 3 or 4 bar, must be specified at time of order.
For indicator cavity and more details, see indicator page.

AHS08

Aluminum filter

AHS filters are used to protect individual valves or the hydraulic systems.

Three versions AHS06, AHS08 and AHS10 are available with operating pressure at 210 bar (3000 psi) and flow rate up to 600 LPM (2271 GPM).

They can be directly connected to the hydraulics system through the hydraulic fitting ports.

Rating

Operating pressure : 210 bar (3000 psi)

Max. operating pressure: 245 bar (3500 psi)

Element ΔP : 210 bar

Flow Rate: 70-170 LPM

Material of construction

Head: Aluminum 6061-T6

Housing: Aluminum 6061-T6, forging press



MODEL CONFIGURATION

AHS08 - 1 - A06 - 8 P - BE - N

① ② ③ ④ ⑤ ⑥

① **Series** Aluminum filter

② **Length, H**

Code	Length, H (mm)	Weight (kg) *without element
1	223	2.4
2	287	3.2
3	380	3.9

③ **Filtration Element**

Code	Flow rate (LPM)			Filtration Rating
	Length 1	Length 2	Length 3	
A03	70	90	110	Microfiber 3 μ m, $\beta \geq 1000$
A06	80	100	120	Microfiber 6 μ m, $\beta \geq 1000$
A10	90	110	130	Microfiber 10 μ m, $\beta \geq 1000$
A25	100	120	150	Microfiber 25 μ m, $\beta \geq 1000$
T40	120	140	170	Wire mesh 40 μ m

* This table display a part of filter elements.
If other filtration rating is required, please contact factory.

④ **Thread Port**

6 3/4"	8 1"
P PT	N NPT
	G BSP

⑤ **Indicator**

0	None, with plug
BV	Visual indicator
BE	Electrical / visual indicator

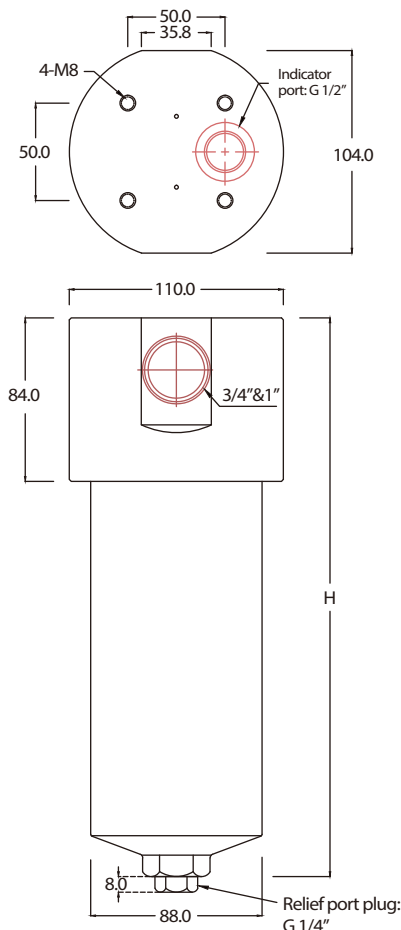
⑥ **Seal**

N	NBR	V	Viton
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Standard pressure setting at 3 or 4 bar, must be specified at time of order.
For indicator cavity and more details, see indicator page.

DIMENSIONAL DRAWING

mm



AHS10

Aluminum filter

AHS filters are used to protect individual valves or the hydraulic systems.

Three versions AHS06, AHS08 and AHS10 are available with operating pressure at 210 bar (3000 psi) and flow rate up to 600 LPM (2271 GPM).

They can be directly connected to the hydraulics system through the hydraulic fitting ports.

All AHS10 series pass Taiwan SGS certification. No leakage under hydraulic pressure at 350 bar (5000 psi).

Rating

Operating pressure : 210 bar (3000 psi)

Max. operating pressure: 245 bar (3500 psi)

Element ΔP : 210 bar

Flow Rate: 140-600 LPM

Material of construction

Head: Aluminum 6061-T6

Housing: Aluminum 6061-T6, forging press



MODEL CONFIGURATION

AHS10 - 3 - A10 - 12 P - AV - N

1

2

3

4

5

6

1 **Series** Aluminum filter

2 **Length, H**

Code	Length, H (mm)	Weight (kg) *without element
1	310	7.1
2	454	8.9
3	581	9.5

3 **Filtration Element**

Code	Flow rate (LPM)			Filtration Rating
	Length 1	Length 2	Length 3	
A03	140	180	250	Microfiber 3 μ m, $\beta \geq 1000$
A06	240	300	360	Microfiber 6 μ m, $\beta \geq 1000$
A10	290	360	450	Microfiber 10 μ m, $\beta \geq 1000$
A25	360	450	500	Microfiber 25 μ m, $\beta \geq 1000$
T40	400	500	600	Wire mesh 40 μ m

* This table display a part of filter elements.
If other filtration rating is required, please contact factory.

4 **Thread Port**

10	1 1/4"	12	1 1/2"	14	2"
P	PT	N	NPT	G	BSP

5 **Indicator**

0	None, with plug
AV	Visual indicator
AE	Electrical / visual indicator

6 **Seal**

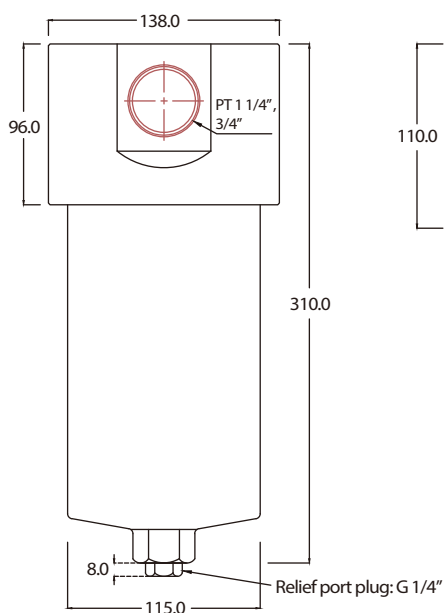
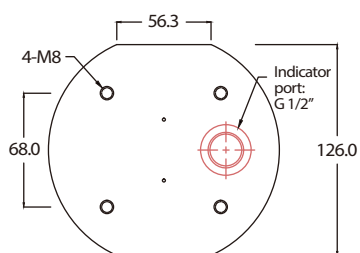
N	NBR	V	Viton
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Standard pressure setting at 3 or 4 bar, must be specified at time of order.
For indicator cavity and more details, see indicator page.

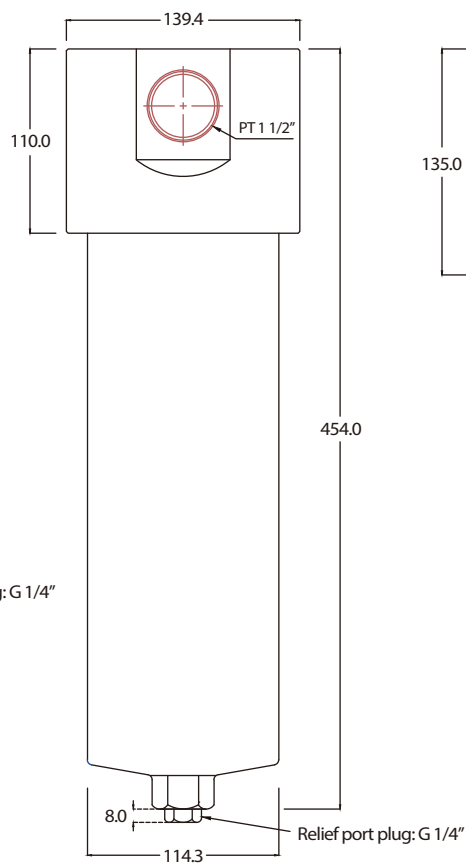
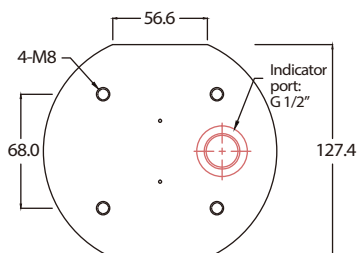
DIMENSIONAL DRAWING

mm

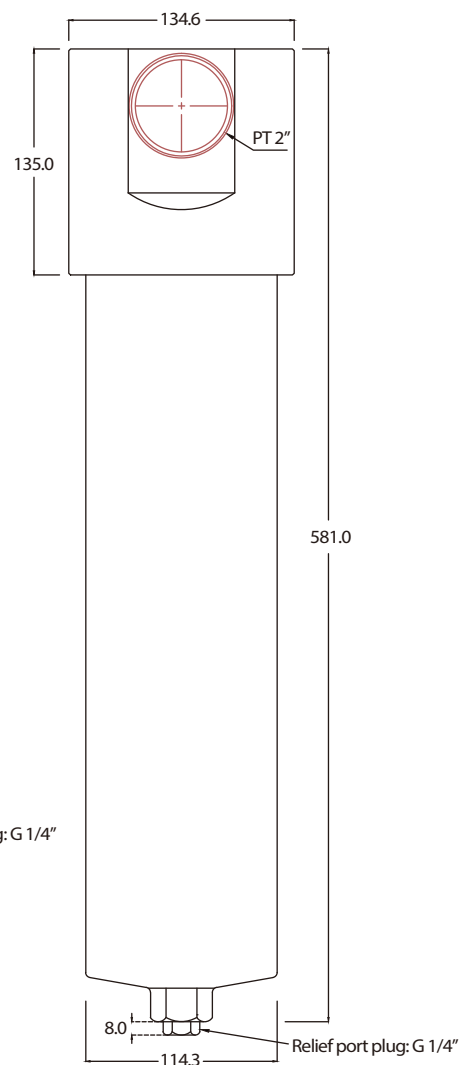
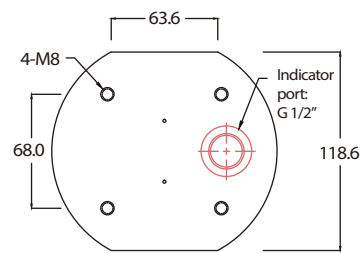
AHS10-1



AHS10-2



AHS10-3



These 4 types of indicators are the standard configuration with LINS filter AHS and SHS series.
If you are looking for the replacement for other brand's indicators, please see OTHER series.

AV TYPE



DESCRIPTION

- Visual differential indicator
- Pressure difference across from **port 1 to 2**
- Seals: NBR
- Pressure setting: 3 bar, 4 bar
- Body material: aluminum
- Connection: DIN mout

AE TYPE



DESCRIPTION

- Electrical / Visual differential indicator
- Pressure difference across from **port 1 to 2**
- Seals: NBR
- Pressure setting: 3 bar, 4 bar
- Body material: aluminum
- Connection: DIN mout

BV TYPE



DESCRIPTION

- Visual differential indicator
- Pressure difference across from **port 2 to 1**
- Seals: NBR
- Pressure setting: 3 bar, 4 bar
- Body material: aluminum
- Connection: DIN mout

BE TYPE

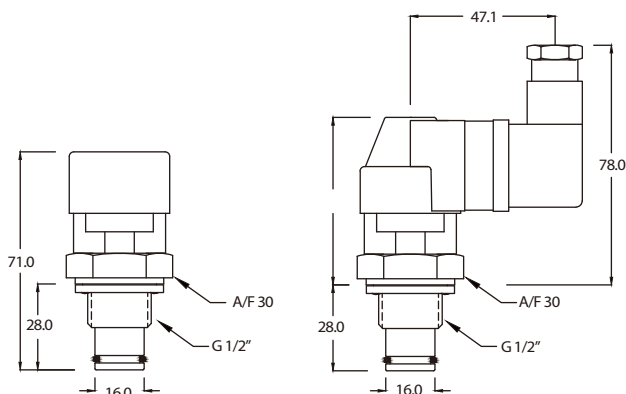


DESCRIPTION

- Electrical / Visual differential indicator
- Pressure difference across from **port 2 to 1**
- Seals: NBR
- Pressure setting: 3 bar, 4 bar
- Body material: aluminum
- Connection: DIN mout

DIMENSIONAL DRAWING

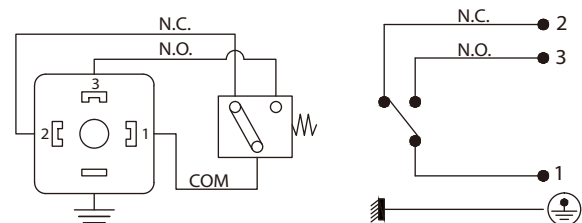
mm



AV/BV

AE/BE

CONNECTING SCHEMATIC



For AV/AE/BV/BE type