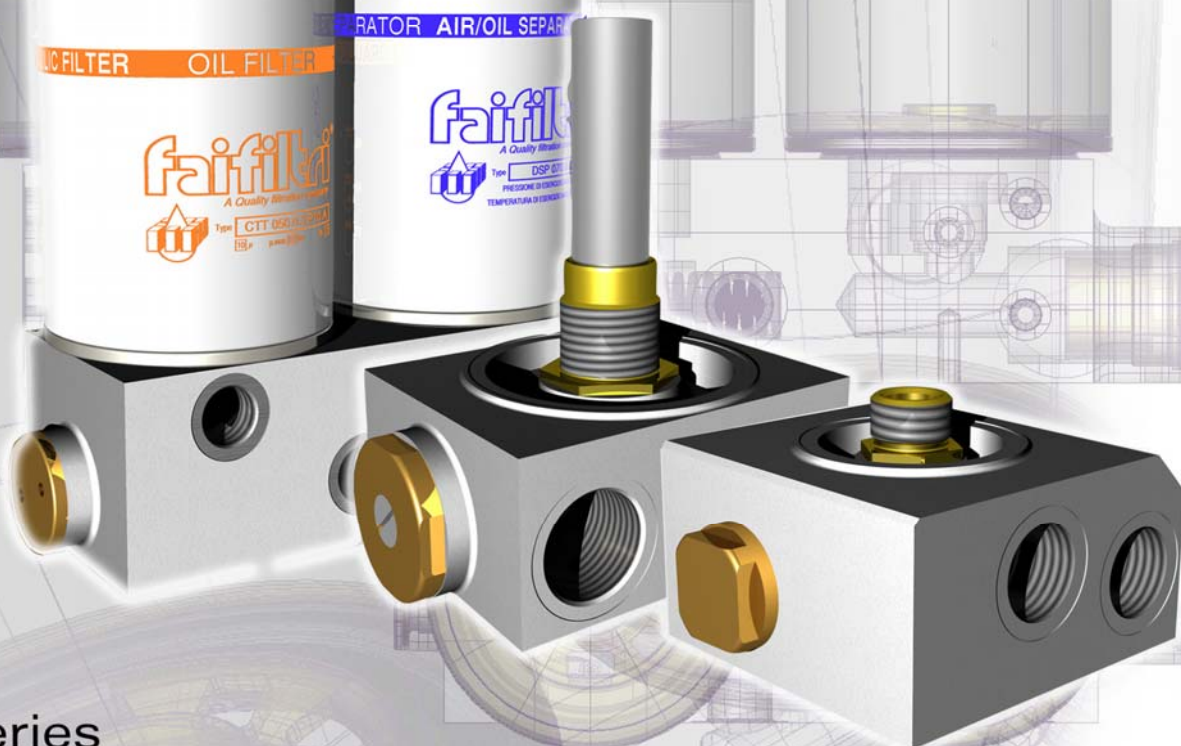




INTEGRATED GROUP



Series

GO - GS - GSO

Air Oil separation FAI FILTRI

INTRODUCTION

Thanks to many years of in-field experience regarding research, design and production of oil filters and oil separation for compressors applications, the high quality standard reached by FAI FILTRI has made it possible for the company to design and manufacture integrated groups equipped with oil filters and oil separators, thermostats and minimum pressure valves, suitable for assembly on rotary and screw compressors, which also allow a more and more accurate air cleaning in order to make it suitable for several industrial application such as: food industry, electronic, pharmaceutical, textile and mechanical industries. FAI FILTRI integrated groups are the most technologically and functionally "User Friendly" equipment on the compressed air market since they allow both air-lubricating oil separation and oil filtering. All this is made avoiding further clutter and specific operational exigencies and making any possible intervention and replacement of worn out parts definitely quicker while sharply reducing maintenance costs.

Integrated Groups are produced in three different ranges: **GS** series equipped with spin-on air/oil separation filter and minimum pressure valve, **GF** series equipped with spin-on oil filter and thermostat and finally **GFS** series equipped with spin-on air/oil separation filter, oil filter, thermostat and minimum pressure valve.

The unique feature of FAI FILTRI integrated groups is the recovery/collection of most part of the oil contained in the compressed air flux due to screws or vanes entrainment at the lubricating stage, operated thanks to the employ of top quality materials and a better control on oil contamination levels, which allows longer intervals between maintenance interventions.

TECHNICAL DATA

MATERIALS

- ❑ Painted and galvanized steel plate container for the air/oil separator
- ❑ Painted steel plate container for the oil filter
- ❑ Support drilled hoses and galvanized steel bottoms
- ❑ Oil separation baffle in glass microfibers layers made of high quality borosilicate
- ❑ Oil filter baffle made of resin impregnated cellulose fibers.
- ❑ Filter casing unit made of oxidated aluminium casting
- ❑ Brass minimum pressure valve
- ❑ Brass thermostat

FILTER PRESSURE VALUES

Air/oil separation filter:

Max operating pressure:	16 bar
Pulsing fatigue pressure:	0/20/0 bar 1 Hz 50.000 min. cycles

Oil filter:

Max operating pressure:	12 bar
Pulsing fatigue pressure:	0/12/0 bar 1 Hz 50.000 min. cycles
By-pass valve:	1,75 bar

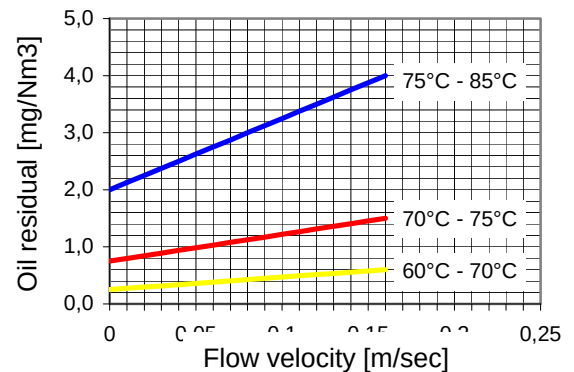
FILTERING ELEMENTS

5 bars collapse differential pressure tested in accordance with: : ISO 2941
Axial strain strength tested in accordance with : ISO 3723
Manufacturing compliance and first bubble point determination tested in accordance with : ISO 2942

SEPARATION EFFICIENCY

By avoiding overcoming suggested nominal flow rates it is possible to reach a residual oil waste lower than **1+3 ppm**

Oil residual in relation to speed and temperature



OPERATING TEMPERATURES

From -20°C to +110°C

FLOW RATES

Air/oil separation filter:

With an operating pressure up to 7 bars from 1 to 5,5 m³/min (See dimensional table)

Oil filter:

From 20 to 70 l/min (See dimensional table)

ASSEMBLY

For filter assembly on the block, lubricate the seal with a thin oil film and tighten by hand. Remove them by using a belt wrench

AIR/OIL SEPARATOR WORKING LIFE

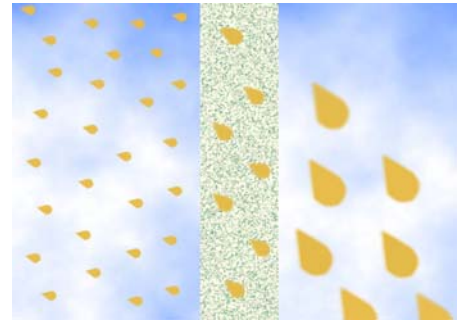
The air/oil separator shall be replaced when reaching a differential pressure (ΔP) up to **1-1,2 bar**. Market research have shown that the average life in normal working conditions can reach over **2500 hours**. Increases in the head loss and the consequent filter operating life depend on the cleanliness of the lubricating oil and of the compressed air ingested by the compressor.

FILTERING SURFACES

Oil filter					
Type	Filtering surface		Type	Filtering Surface	
	P10/P25	A10/A25		P10/P25	A10/A25
CTT 012	2300 cm ²	1370 cm ²	CTT 300	6160 cm ²	3580 cm ²
CTT 025	1460 cm ²	1020 cm ²	CTT 350	9350 cm ²	5440 cm ²
CTT 050	2440 cm ²	1700 cm ²	CTT 400	13580 cm ²	7900 cm ²
CTT 070	3960 cm ²	2700 cm ²			

COALESCENCE EFFECT

The compressed air flux polluted by solid particles and micro drops of oil passes through the first layer of borosilicate micro fibers . At this stage micro drops, smaller than 1 micron , are agglomerated to form bigger drops according to the coalescence principle and are therefore collected and drained by the second layer of porous and synthetic material and end up, due to gravity, on the dry side of the separator.



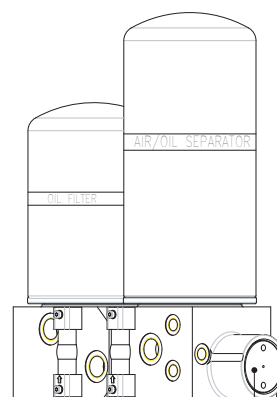
Coalescence principle diagram

MINIMUM PRESSURE VALVE

Setting: 4,5 bar

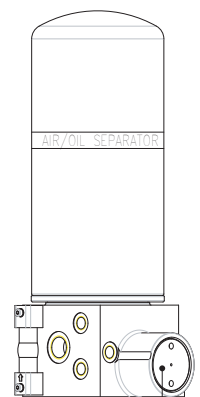
The minimum pressure valve is assembled on the **GSO** integrated group on the air/oil separator side or on the **GS** group. This valve has to stop the outlet compressed air flux of the compressor when this latter goes under certain values. This grants the minimum pressure in the air/oil separator necessary for lubricating the screw block when restarting the compressor up.

GSO series
Oil filter-Oil separator
Filter



Minimum pressure valve
setting: 4.5 bar

GS series
Oil separator filter
Integrated group



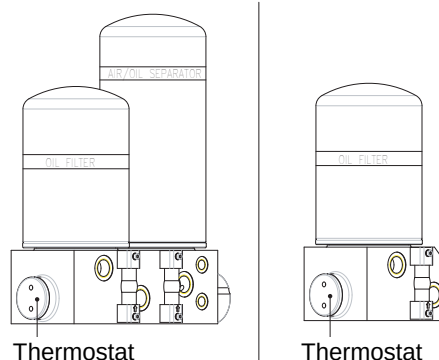
Minimum pressure valve
setting: 4.5 bar

THERMOSTAT

Thermostat operative temperature:

See table for choosing the operative setting

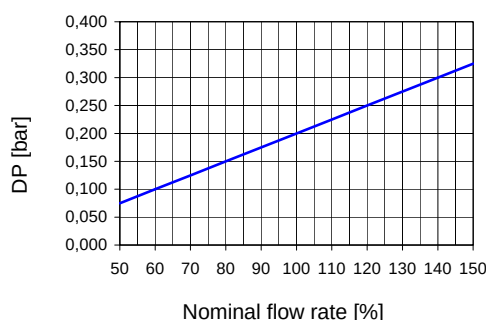
The thermostat is assembled on the **GO / GSO** integrated group on the oil filter side. When set up temperature is reached the oil flux is diverted for cooling by the radiator.



PRESSURE DROP

Air/oil separation filter:

With nominal flow rate and 7 bars pressure the head pressure drop with a clean filter is up to 0,2 bars.



Oil filter:

Curves are valid for mineral oil with kinematic viscosity up to 30 mm²/sec. (cSt). The ΔP varies alongside the kinematic viscosity in accordance with the following formulas:

① Kinematic viscosity variations ≤ 5

$$\Delta P_1 = \frac{v_1}{v} \Delta P$$

② Kinematic viscosity variations > 5

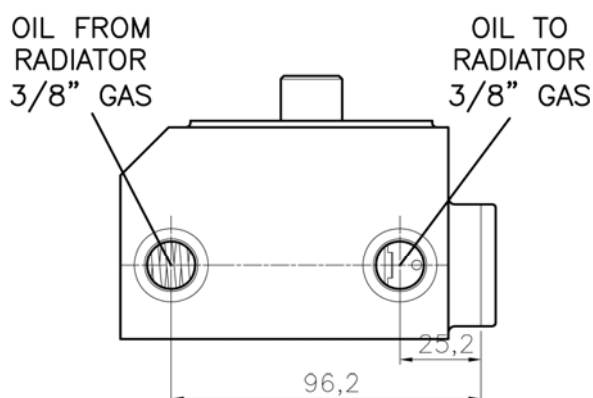
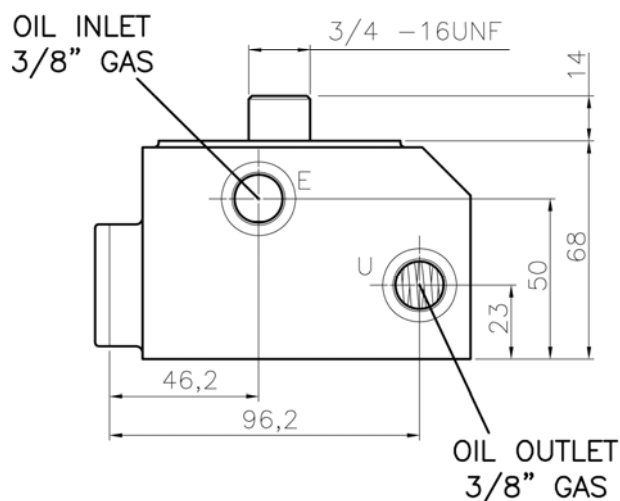
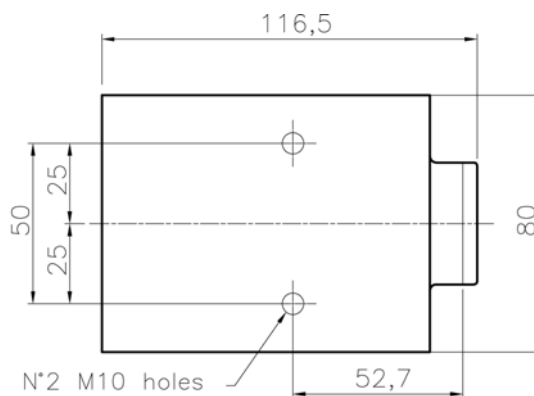
$$\Delta P_1 = \frac{\frac{v_1}{v} + \sqrt{\frac{v_1}{v}}}{2} \Delta P$$

In both formulas ΔP stands for pressure drop is derived from the curves, v is the reference kinematic viscosity (as to say 30 mm²/sec); ΔP_1 is the pressure drop to be calculated and v_1 is the actual kinematic viscosity of the fluid used.

Oil group equipped with thermostat

Model:
GO 025

Oil flow rate:
up to 25 l/min



Choice of the oil filter group equipped with thermostat

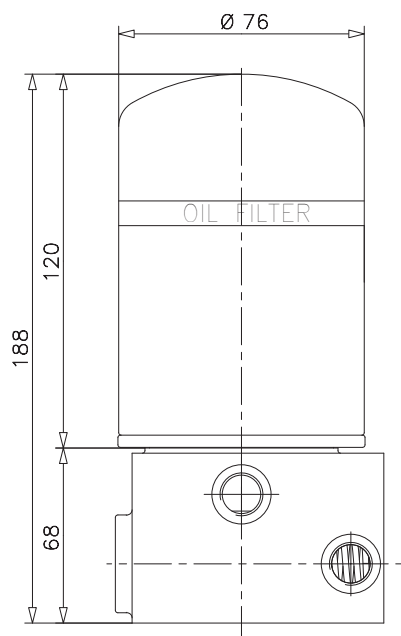
GO 025				
Thermostat	Clogging indicator	Oil filter	Filtration type Oil filter	
55°C	A	X	A	P10 – Paper 10µ
65°C	B	012	B	P25 – Paper 25µ
71°C	C	025	C	A10 – Microfibers 10µ
83°C	D		D	A16 – Microfibers 16µ
	E		E	A25 – Microfibers 25µ
Clogging indicator: Setting: 1.5 bar				

Clogging indicator:
Setting: 1.5 bar

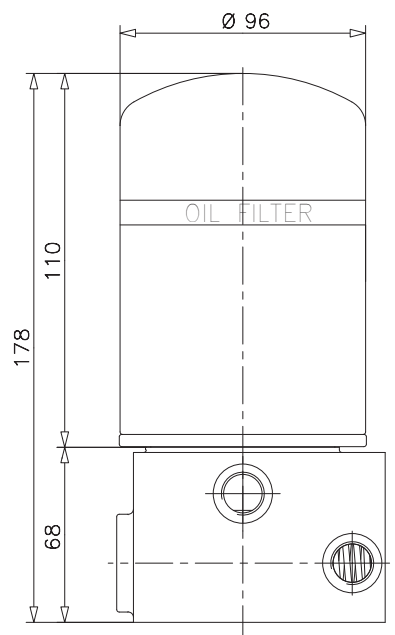
Oil Filters filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 e 25μ



Dimensions of a filter equipped with CTT012 oil cartridge

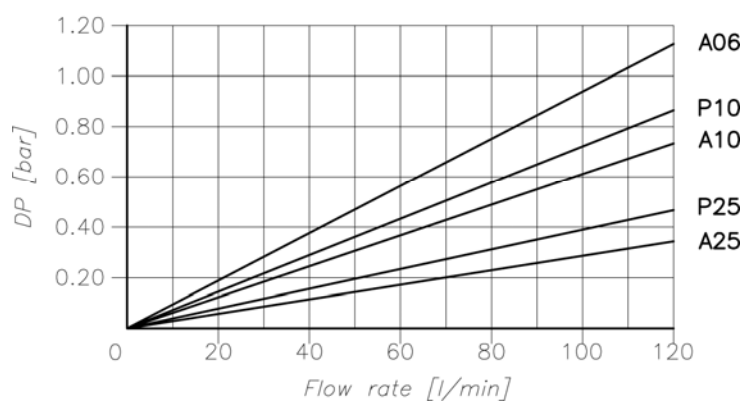


Dimensions of a filter equipped with CTT025 oil cartridge

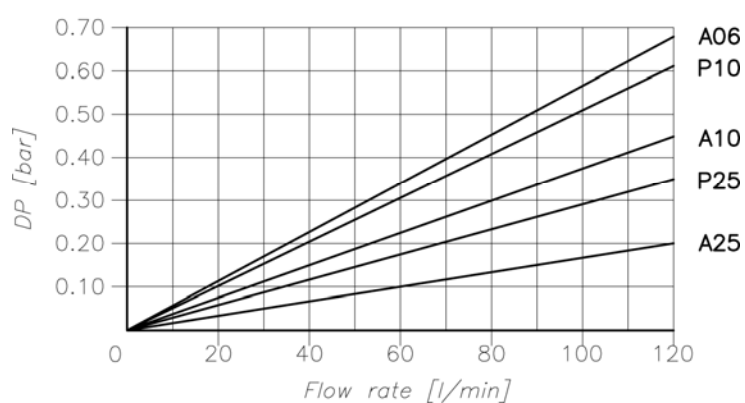
Oil filter pressure drops

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

CTT 012



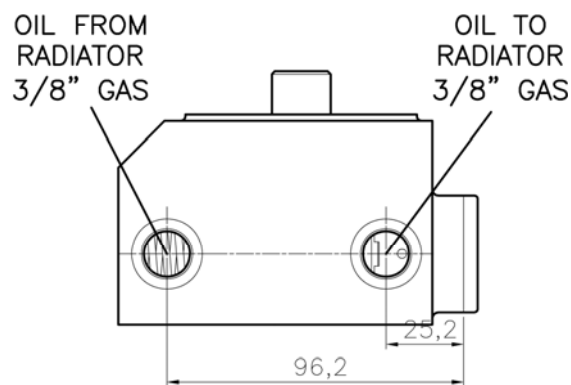
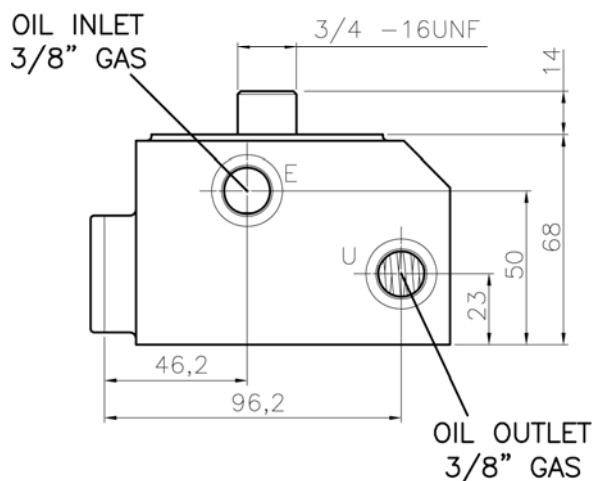
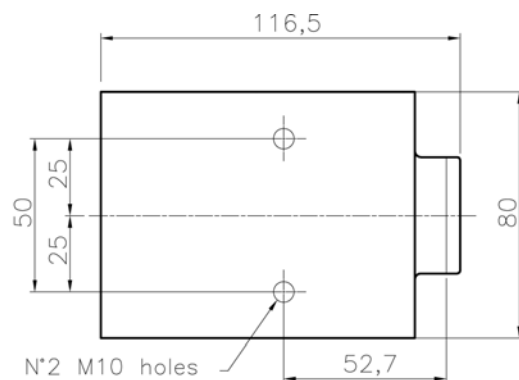
CTT 025



Oil group equipped with thermostat

Model:
GO 050

Oil flow rate:
up to 50 l/min



Choice of the oil filter group equipped with thermostat

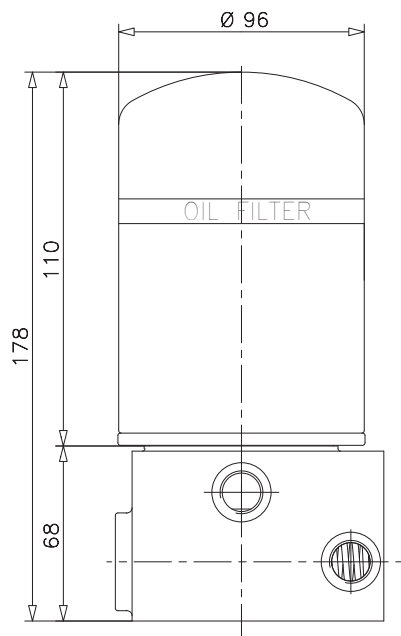
GO 050				
Thermostat	Clogging indicator	Oil filter	Filtration type Oil filter	
55°C A	S Without	X Without	A P10 – Paper 10µ	
65°C B	V Visual diff. Ind.	025 With CTT02513	B P25 – Paper 25µ	
71°C C	E Electric diff. ind.	050 With CTT05013	C A10 – Microfibers 10µ	
83°C D			D A16 – Microfibers 16µ	
			E A25 – Microfibers 25µ	
Clogging indicator: Setting: 1.5 bar				

Clogging indicator:
Setting: 1.5 bar

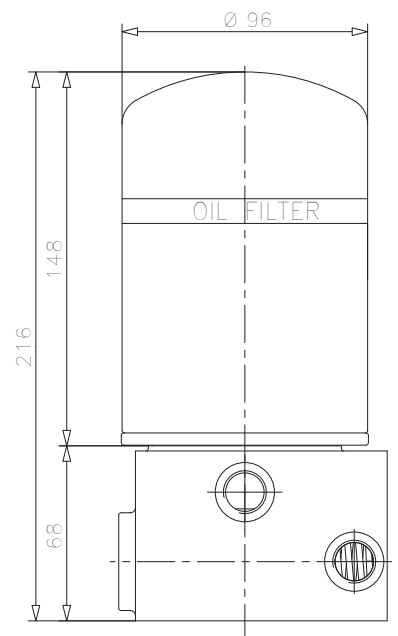
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



Dimensions of filter equipped
with CTT025 oil cartridge

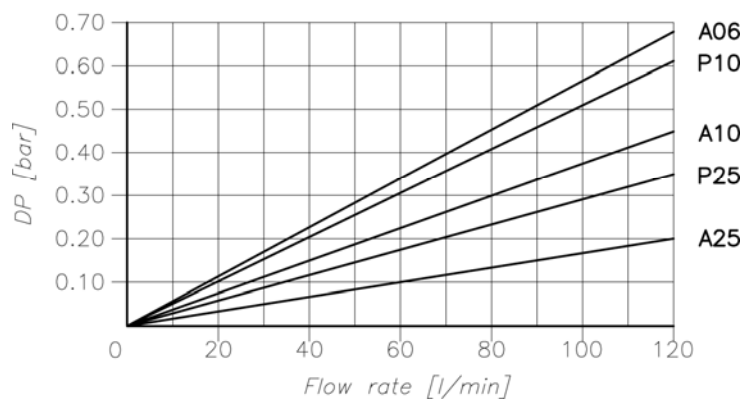


Dimensions of filter equipped
with CTT050 oil cartridge

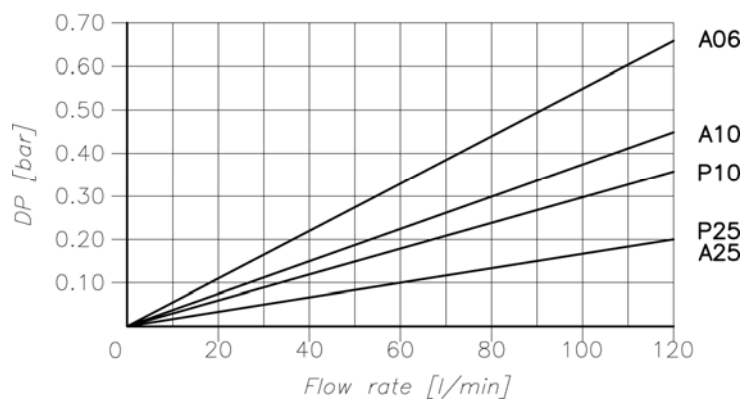
Oil filter pressure drops

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see pag. 5)

CTT 025



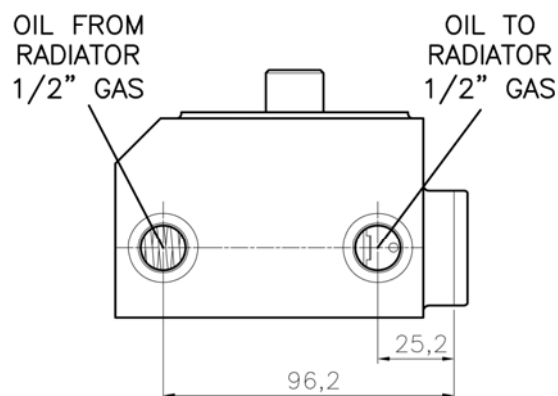
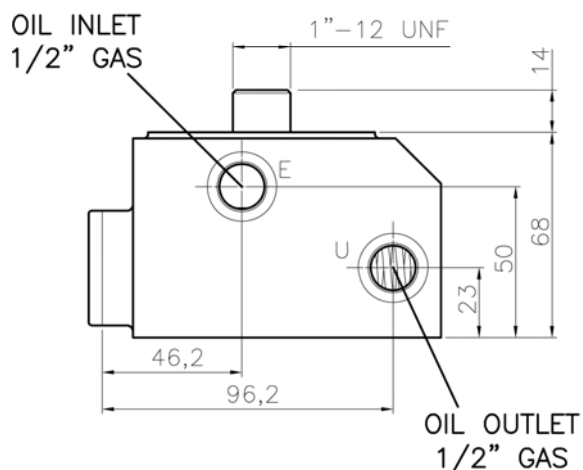
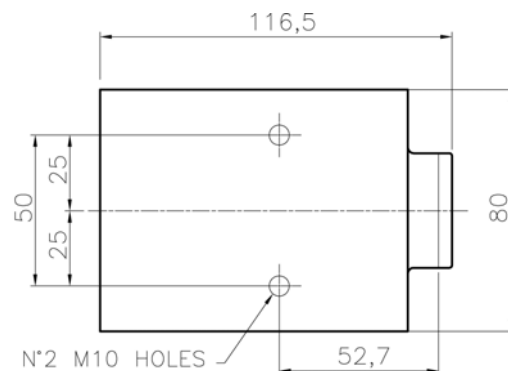
CTT 050



Oil group equipped with thermostat

Model:
GO 070

Oil flow rate:
up to 70 l/min



Choice of oil filter group equipped with thermostat

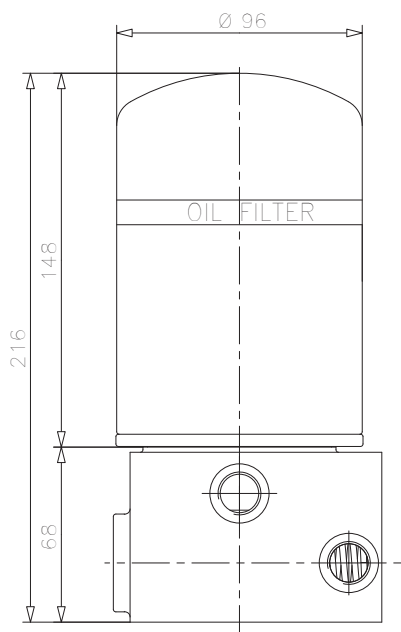
GO 070					
Thermostat		Clogging indicator		Oil filter	
55°C	A	S	Without	X	Without
65°C	B	V	Visual diff. Ind.	050	With CTT05033
71°C	C			070	With CTT07033
83°C	D	E	Electric diff. ind.		
				Filtration type Oil filterl	
				A	P10 – Paper 10μ
				B	P25 – Paper 25μ
				C	A10 – Microfibers 10μ
				D	A16 – Microfibers 16μ
				E	A25 – Microfibers 25μ

Clogging indicator:
Setting: 1.5 bar

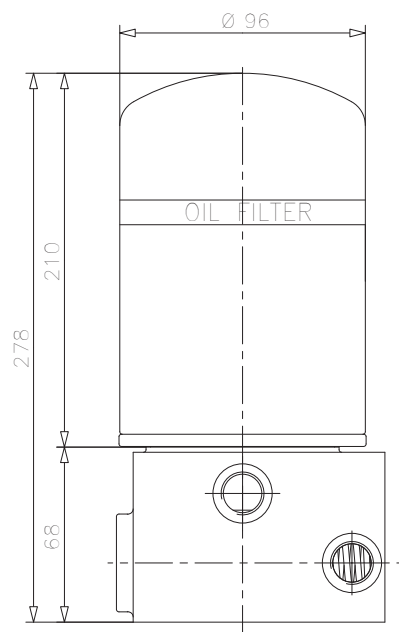
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



Dimensions of filter equipped with CTT050 oil cartridge

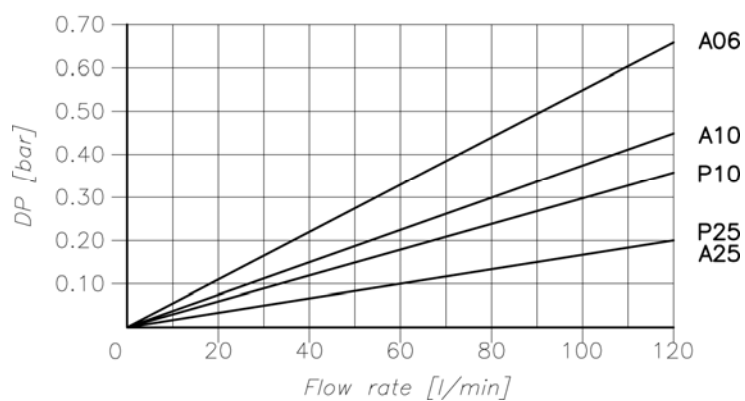


Dimensions of filter equipped with CTT070 oil cartridge

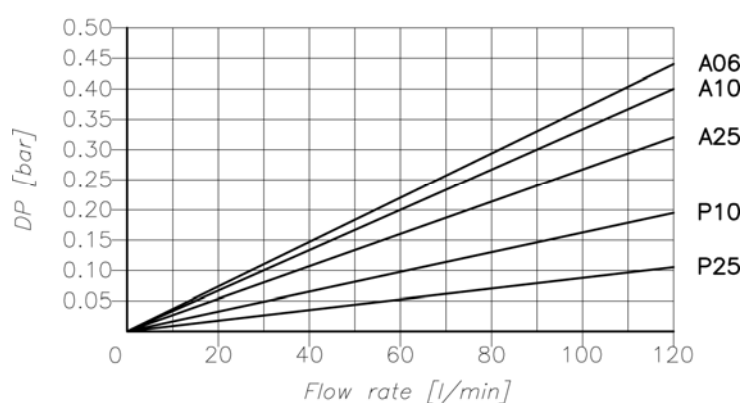
Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

CTT 050



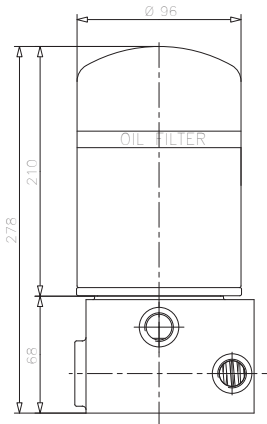
CTT 070



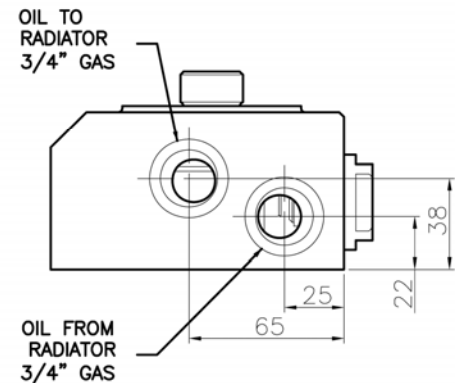
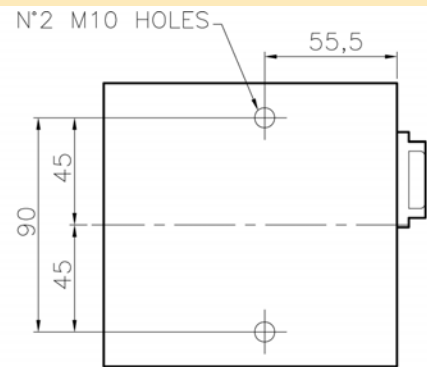
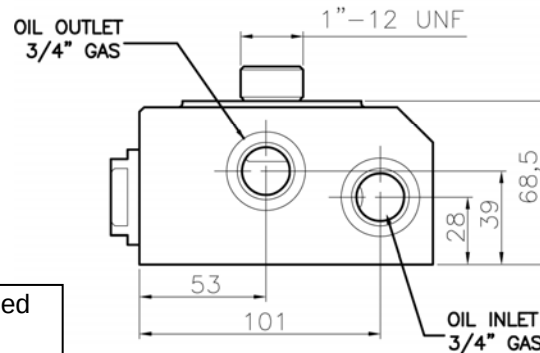
Oil group equipped with thermostat

Model:
GO 071

Oil flow rate:
70 l/min



Dimensions of filter equipped with oil cartridge



Choice of oil filter group equipped with thermostat

GO 071			
Thermostat	Clogging indicator	Oil filter	Filtration type Oil filter
55°C A	S Without	X Without	A P10 – Paper 10μ
65°C B	V Visual diff. Ind.	070 With CTT07033	B P25 – Paper 25μ
71°C C	E Electric diff. ind.		C A10 – Microfibers 10μ
83°C D			D A16 – Microfibers 16μ
			E A25 – Microfibers 25μ

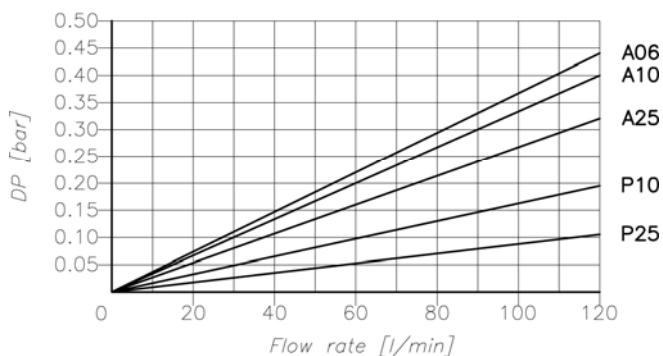
Clogging indicator:
Setting: 1.5 bar

Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ

CTT 070



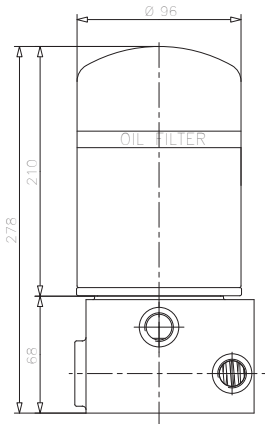
Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

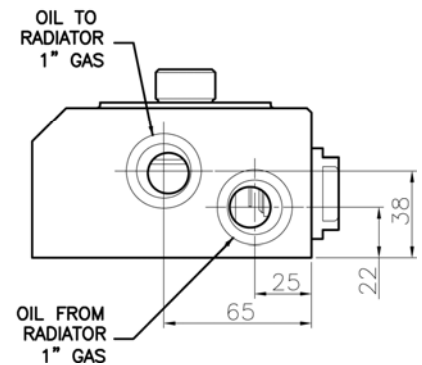
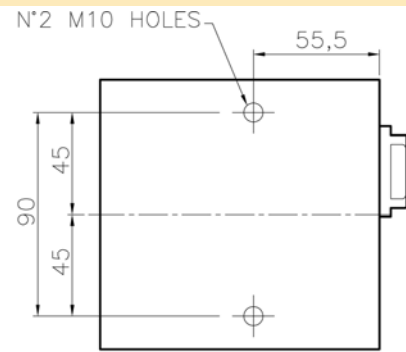
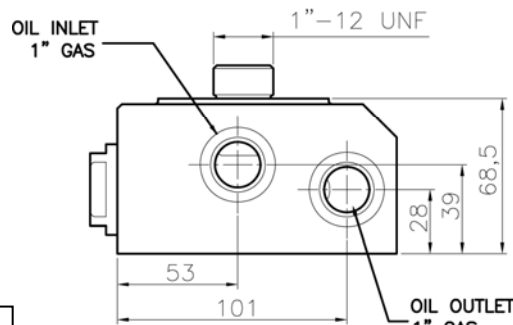
Oil group equipped with thermostat

Model:
GO 072

Oil flow rate:
70 l/min



Dimensions of filter equipped with oil cartridge



Choice of oil filter group equipped with thermostat

Thermostat		Clogging indicator		Oil filter		Filtration type Oil filter	
55°C	A	S	Without	X	Without	A	P10 – Paper 10μ
65°C	B	V	Visual diff. Ind.	070	With CTT07033	B	P25 – Paper 25μ
71°C	C	E	Electric diff. ind.			C	A10 – Microfibers 10μ
83°C	D					D	A16 – Microfibers 16μ
						E	A25 – Microfibers 25μ

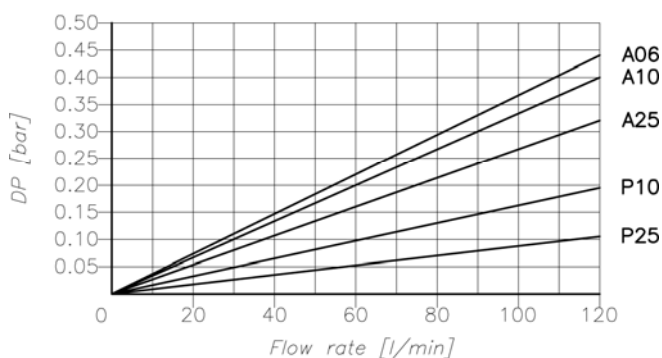
Clogging indicator:
Setting: 1.5 bar

Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ

CTT 070



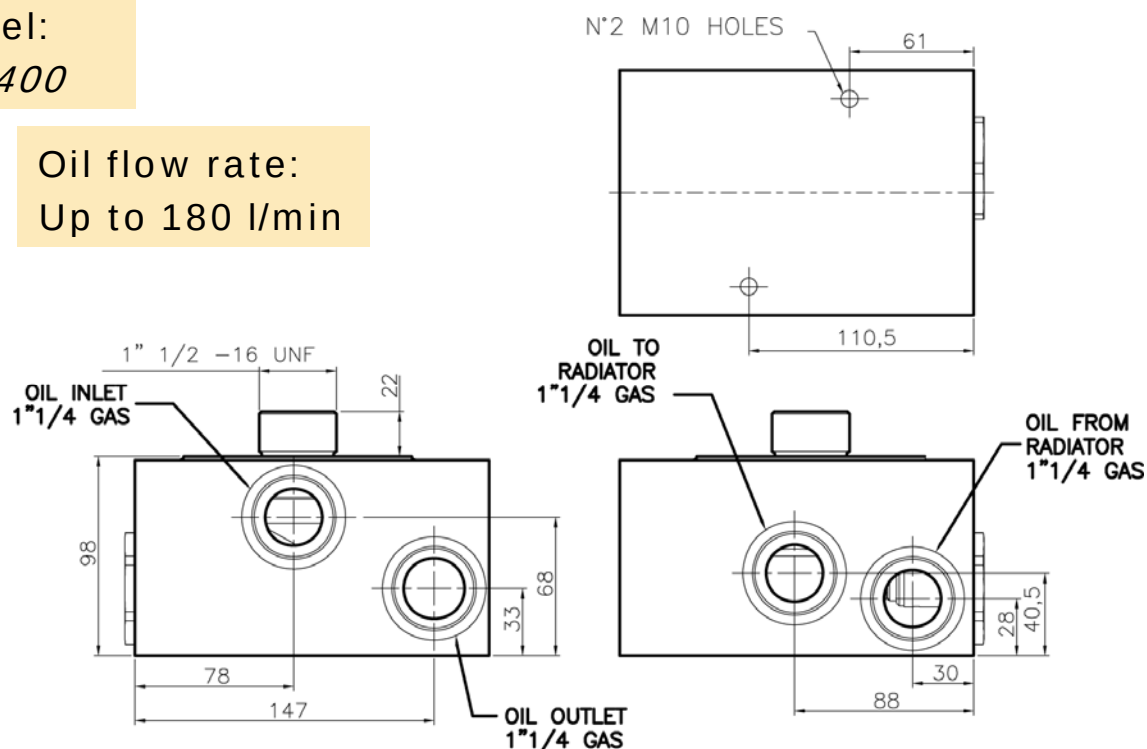
Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

Oil group equipped with thermostat

Model:
GO 400

Oil flow rate:
Up to 180 l/min



Choice of oil filter group equipped with thermostat

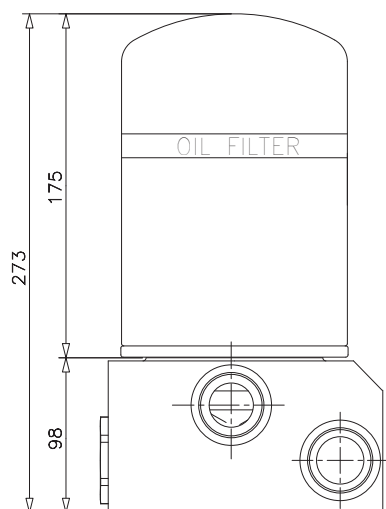
GO 400					
Thermostat		Clogging indicator		Oil filter	
55°C	A	S	Without	X	Without
65°C	B	V	Visual diff. Ind.	300	With CTT30063
71°C	C			350	With CTT35063
83°C	D	E	Electric diff. ind.	400	With CTT40063
		Filtration type Oil filterl			
		A	P10 – Paper 10μ		
		B	P25 – Paper 25μ		
		C	A10 – Microfibers 10μ		
		D	A16 – Microfibers 16μ		
		E	A25 – Microfibers 25μ		

Clogging indicator:
Setting: 1.5 bar

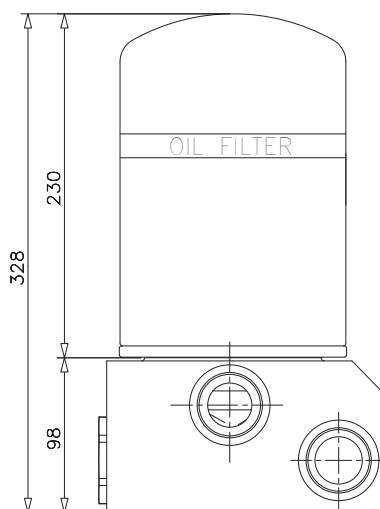
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

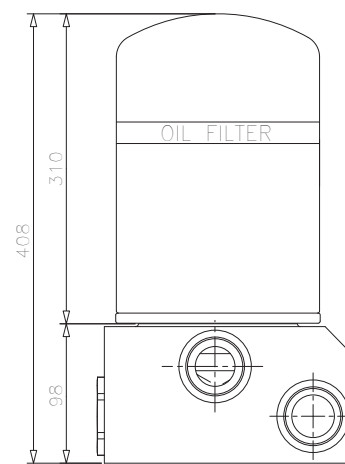
A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



Dimensions of filter equipped with CTT300 oil cartridge



Dimensions of filter equipped with CTT350 oil cartridge

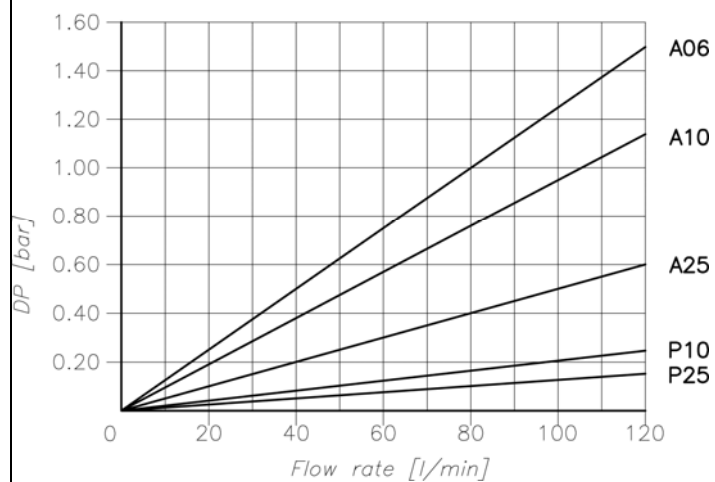


Dimensions of filter equipped with CTT400 oil cartridge

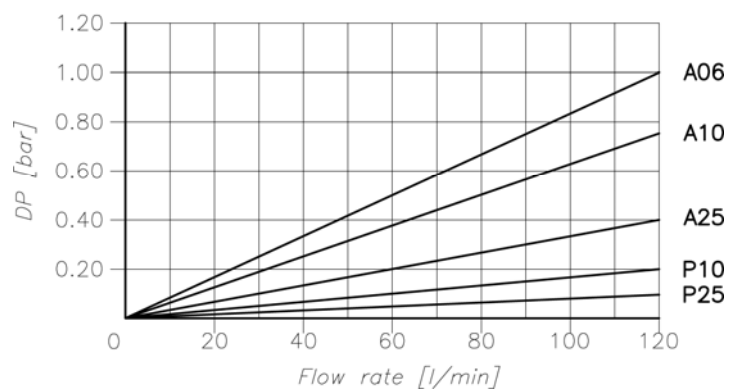
Oil filter pressure drops

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

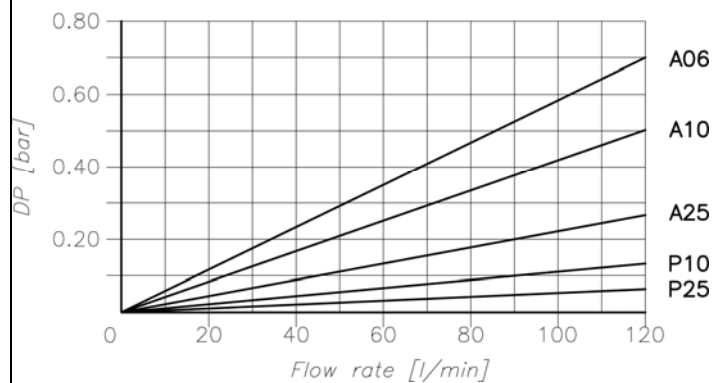
CTT 300



CTT 350



CTT 400



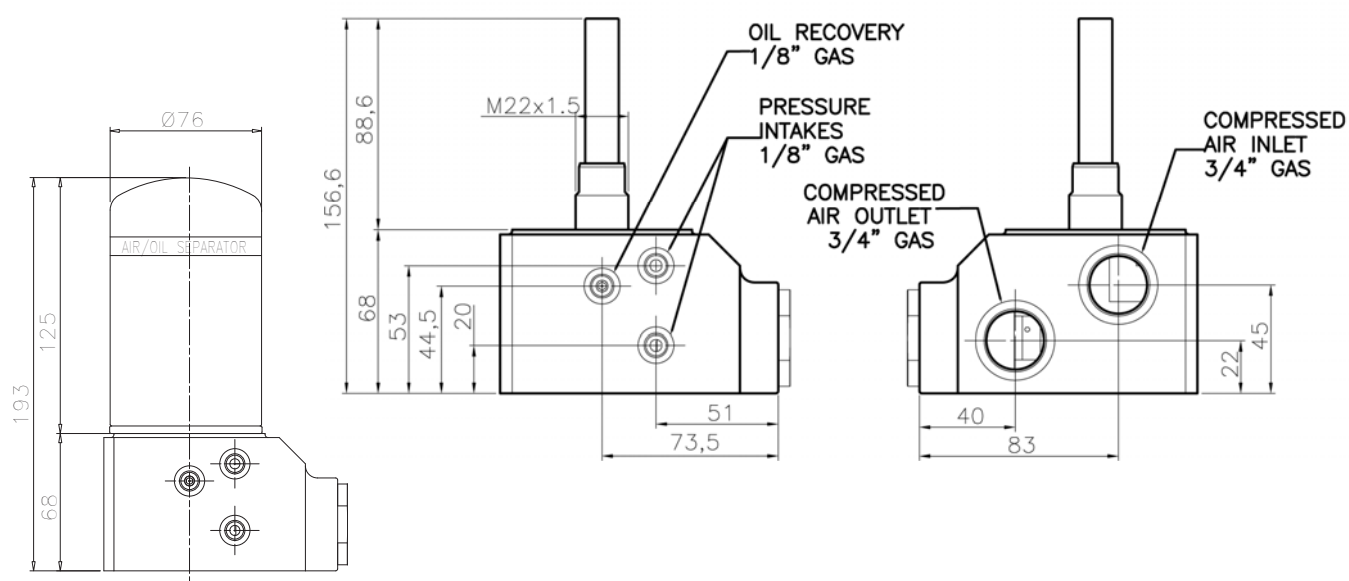
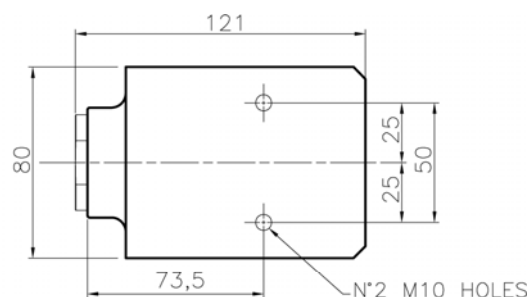
Air/oil separator group equipped with minimum pressure valve

Model:

GS 10

Air flow rate:

1 m³/min



Dimensions separator group
equipped with DSP012.0 filter

Choice of air/oil separator group equipped with minimum pressure valve

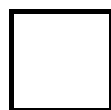
GS 10



Clogging indicator

S

No indicator



Separator filter

X

None

012

With DSP012.0

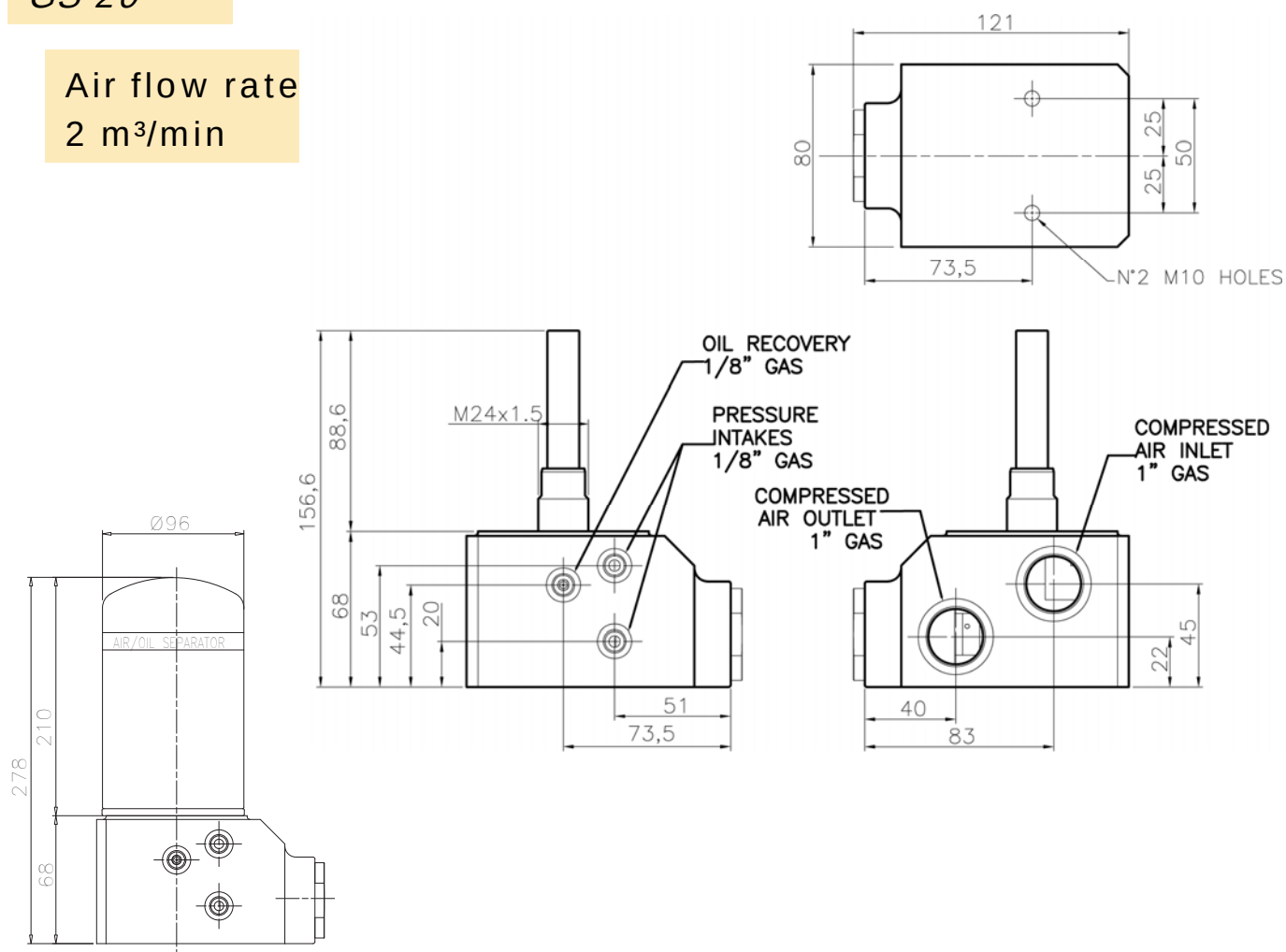
Air/oil separator group separator equipped with minimum pressure valve

Modello:

GS 20

Air flow rate

2 m³/min



Dimensions separator group
equipped with DSP070.0
filter

Choice of air/oil separator group equipped with minimum pressure valve

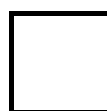
GS 20



Clogging indicator

S

No indicator



Separator filter

X

None

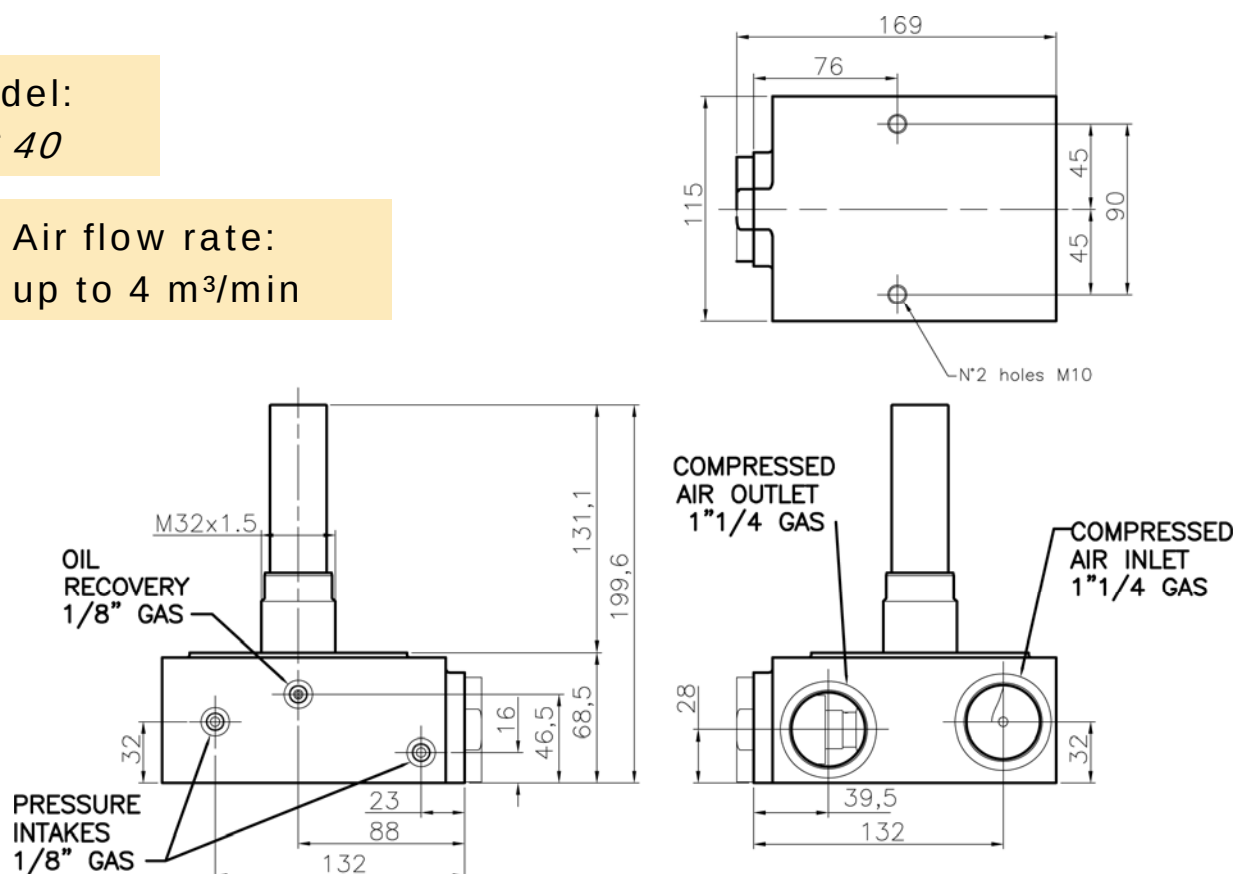
070

With DSP070.0

Air/oil separator group separator equipped with minimum pressure valve

Model:
GS 40

Air flow rate:
up to 4 m³/min



Choice of air/oil separator group equipped with minimum pressure valve

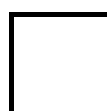
GS 40



Clogging indicator

S

No indicator



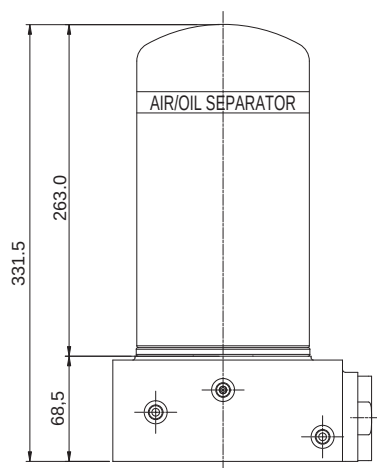
Separator filter

X

None

090

With DSP090.0



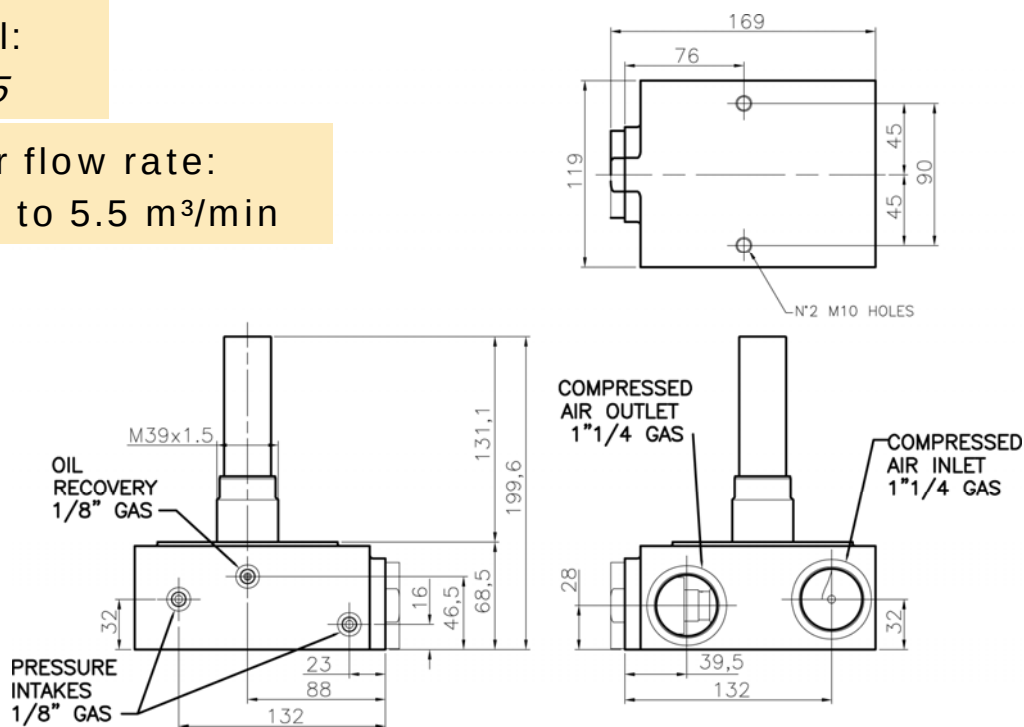
Dimensions separator group
equipped with DSP090.0
filter

Air/oil separator group separator equipped with minimum pressure valve

Model:

GS 55

Air flow rate:
up to 5.5 m³/min



Choice of air/oil separator group equipped with minimum pressure valve

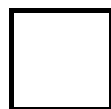
GS 55



Clogging indicator

S

No indicator

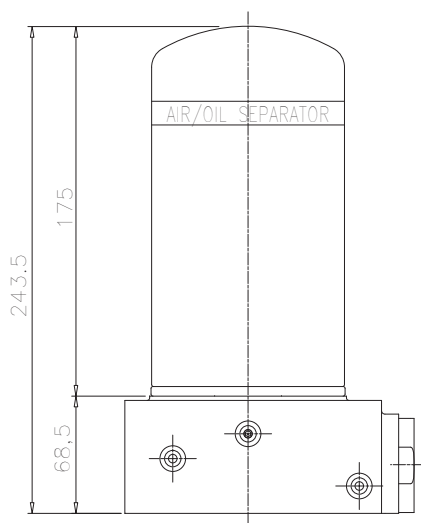


Separator filter

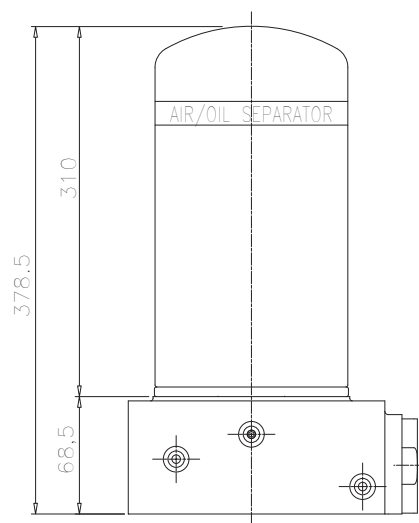
X

None

300	With DSP300.0	Flow rate 3 m ³ /min
400	With DSP400.0	Flow rate 5.5 m ³ /min



Dimensions separator group
equipped with DSP300.0
filter

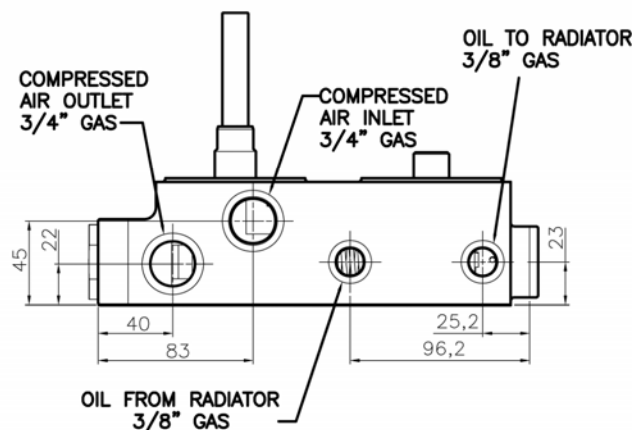
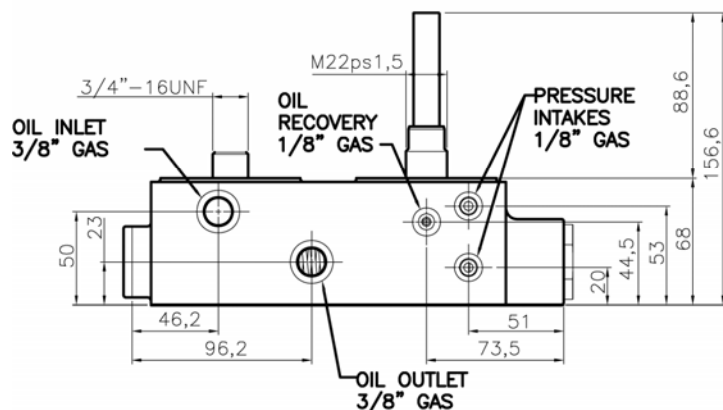
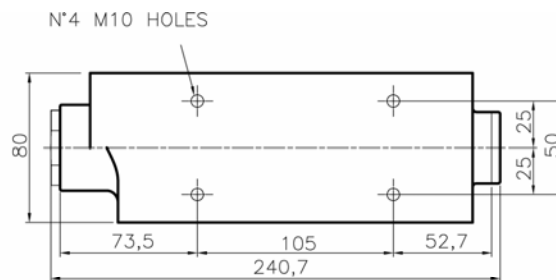


Dimensions separator group
equipped with DSP400.0 filter

Air oil integrated group equipped with thermostat and minimum pressure valve

Model:
GSO 10

Air flow rate:
1 m³/min
Oil flow rate:
up to 25 l/min



Choice of oil filter integrated group – air/oil separator filter equipped with thermostat and minimum pressure valve

GSO 10									
Thermostat		Clogging indicator		Separator filter		Oil filter			
Filtration type		Oil filter							
55°C	A	S	Without	X	Without	A	P10 – Paper 10µ		
65°C	B	V	Visual diff. indicator	012	With DSP012.0	012	With CTT01213	B	P25 – Paper 25µ
71°C	C	E	Electric diff. indicator			025	With CTT02513	C	A10 – Microfiber 10µ
83°C	D							D	A16 – Microfiber 16µ
								E	A25 – Microfiber 25µ

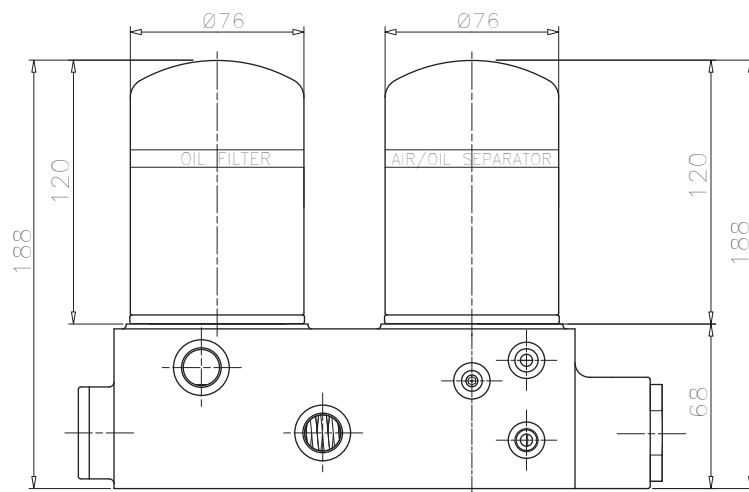
Clogging indicator:

For oil group setting:
1.5 bar

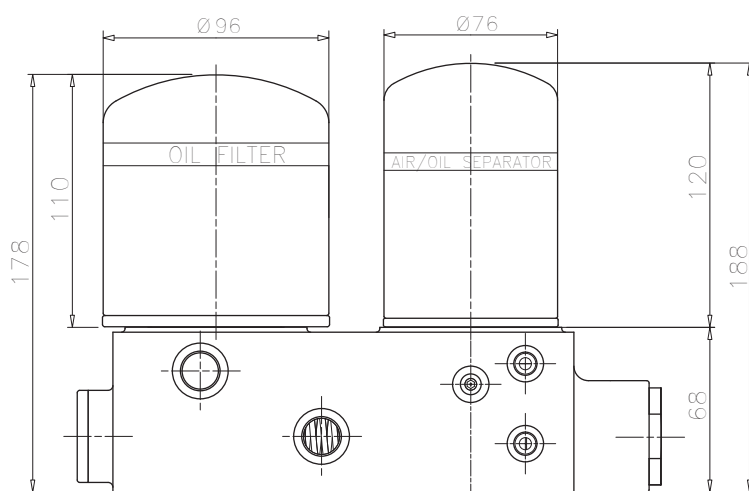
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A06 – A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 6, 10, 16 and 25μ



Dimensions integrated group equipped with CTT012 oil filter and DSP012.0 separator filter

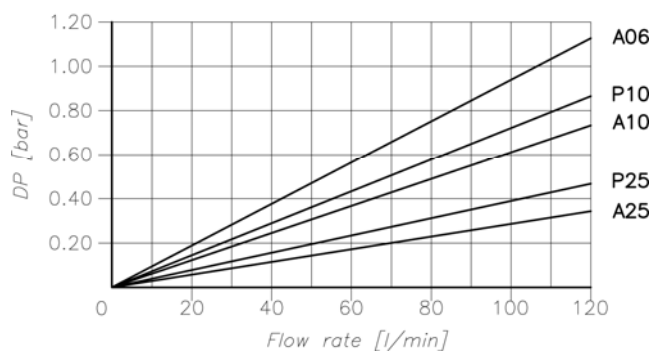


Dimensions integrated group equipped with CTT025 oil filter and DSP012.0 separator filter

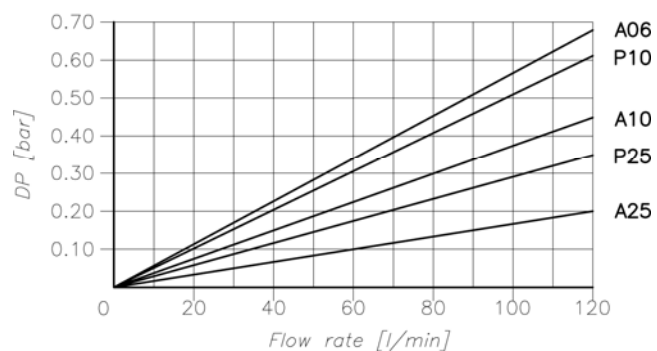
Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

CTT 012



CTT 025

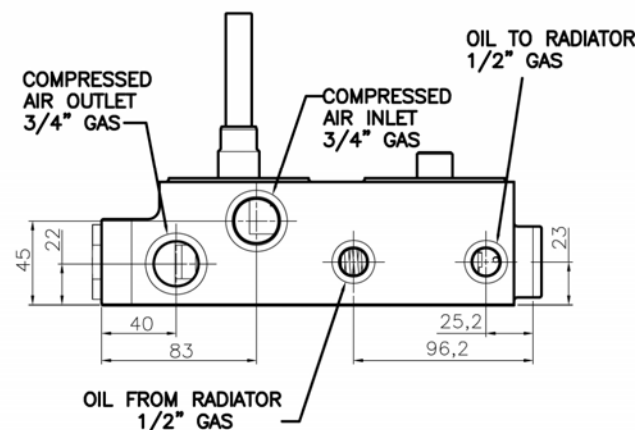
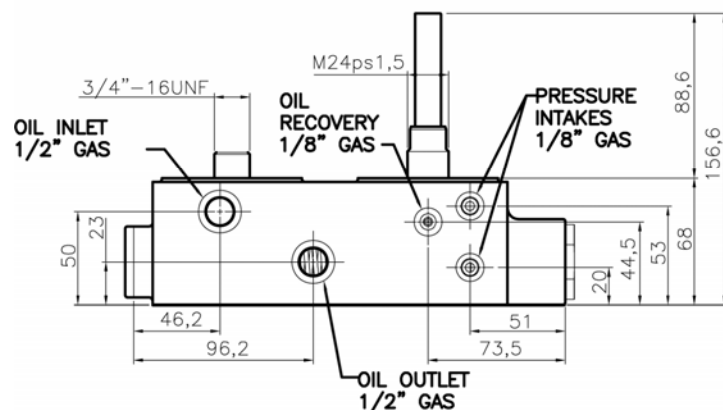
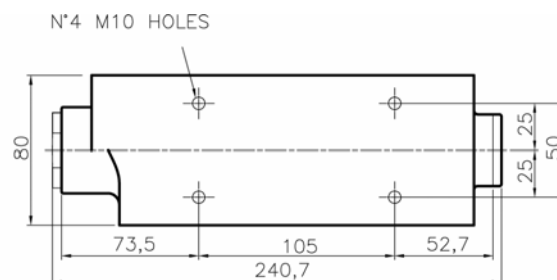


Air/oil integrated group equipped with minimum pressure valve

Model:
GSO 15

Air flow rate:
1.5 m³/min

Oil flow rate:
50 l/min



Choice of integrated group oil filter – air/oil separator filter equipped with thermostat and minimum pressure valve

GSO 15									
Thermostat		Clogging indicator		Separator filter		Oil filter			
Filtration type		Oil filter							
55°C	A	S	Without	X	Without	A	P10 – Paper 10µ		
65°C	B	V	Visual diff. indicator	050	With DSP050.0	012	With CTT01213	B	P25 – Paper 25µ
71°C	C	E	Electric diff. indicator			025	With CTT02513	C	A10 – Microfiber 10µ
83°C	D					050	With CTT05013	D	A16 – Microfiber 16µ
								E	A25 – Microfiber 25µ

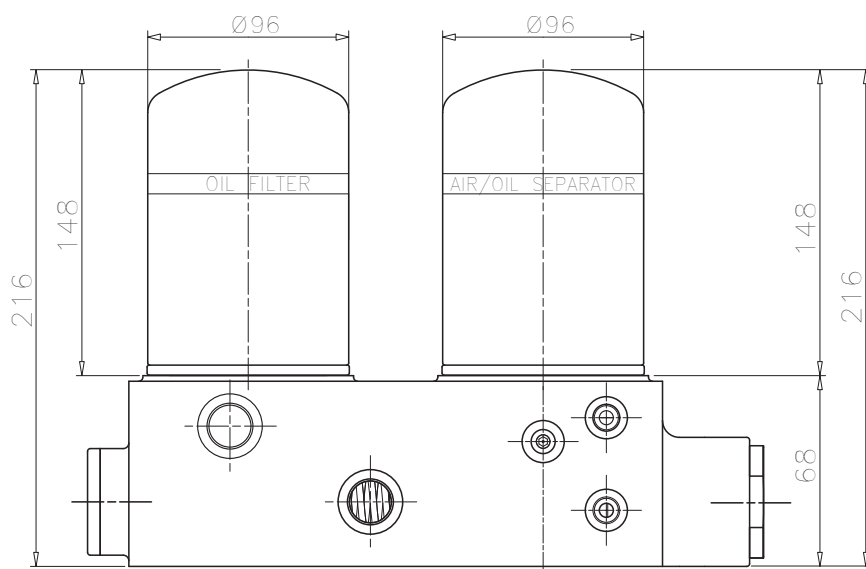
Clogging indicator:

For oil group setting:
1.5 bar

Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ

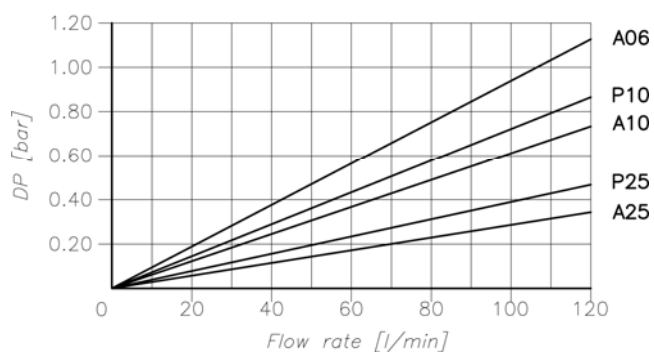


Dimensions integrated group equipped with CTT050oil filter DSP050.0 and separator filter

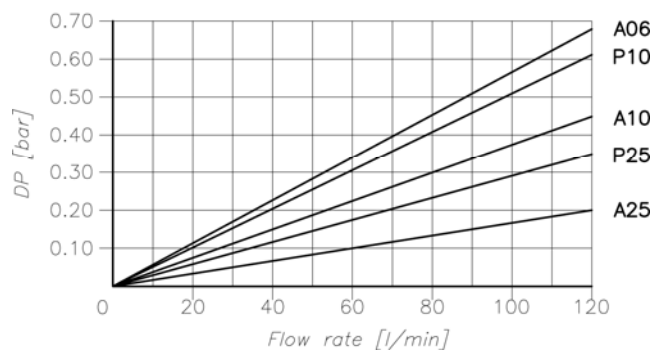
Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

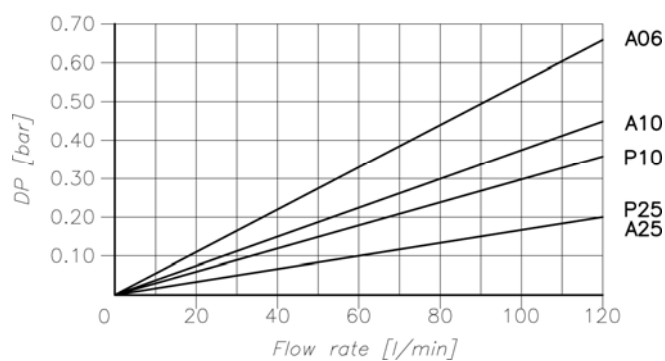
CTT 012



CTT 025



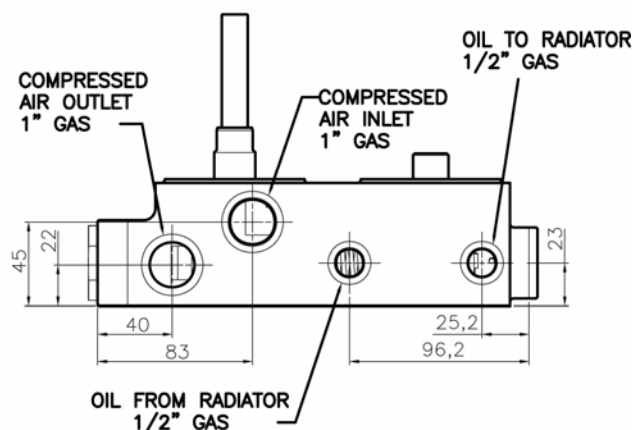
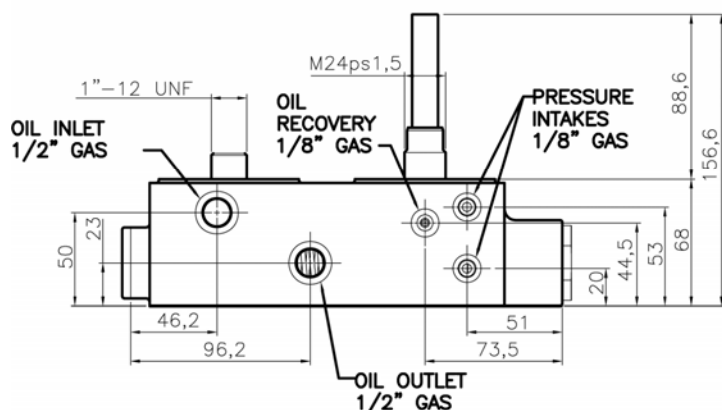
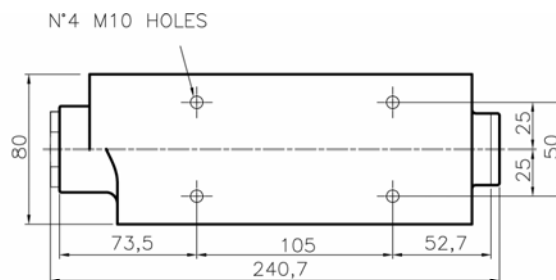
CTT 050



Air oil integrated group equipped with thermostat and minimum pressure valve

Model:
GSO 20

Air flow rate:
2 m³/min
Oil flow rate:
fino a 70 l/min



Choice of integrated group oil filter – air/oil separator filter equipped with thermostat and minimum pressure valve

GSO 20								
Thermostat		Clogging indicator		Separator filter		Oil filter	Filtration type Oil filter	
55°C	A	S	Without	X	Without	X	A	P10 – Paper 10μ
65°C	B	V	Visual diff. indicator	070	With DSP070.0	050	B	P25 – Paper 25μ
71°C	C	E	Electric diff. indicator				C	A10 – Microfiber 10μ
83°C	D					070	D	A16 – Microfiber 16μ
							E	A25 – Microfiber 25μ

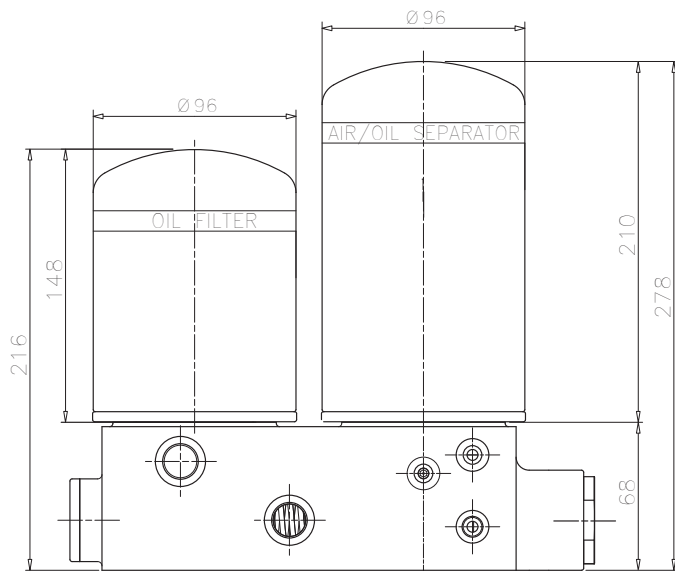
Clogging indicator:

For oil group setting:
1.5 bar

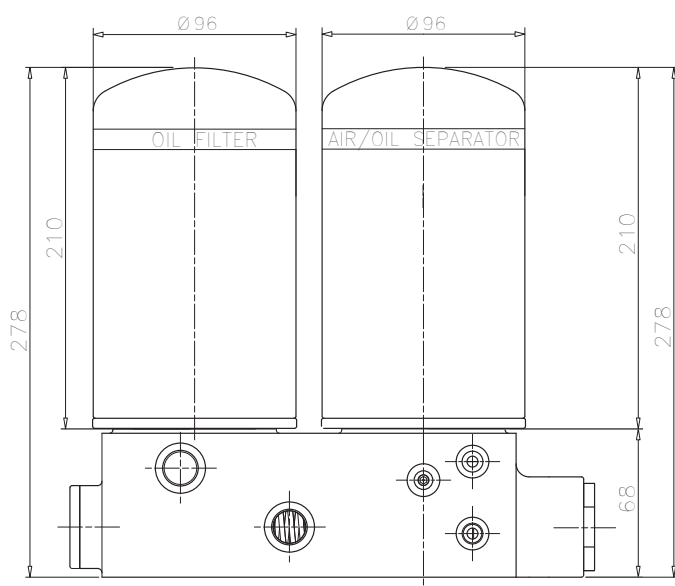
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



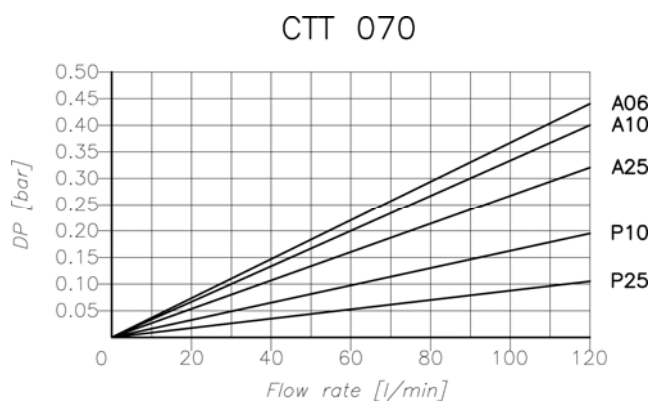
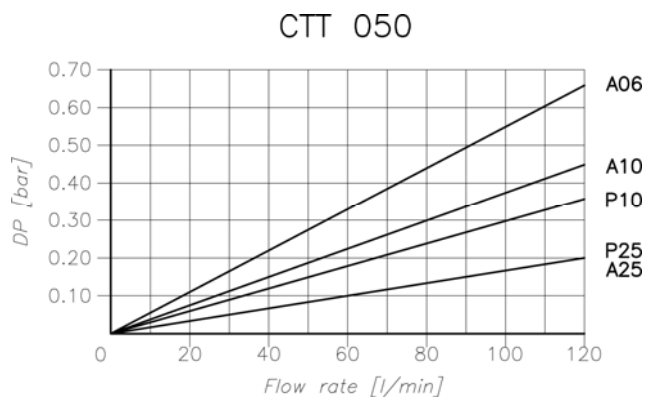
Dimensions integrated group equipped with CTT050 oil filter and DSP070.0 separator filter



Dimensions integrated group equipped with CTT070 oil filter and DSP070.0 separator filter

Oil filter pressure drop

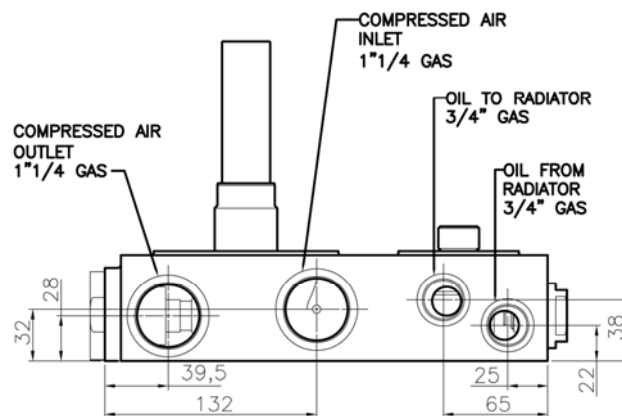
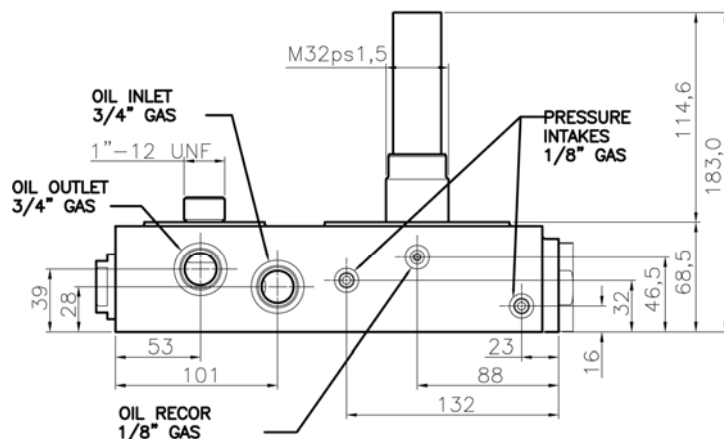
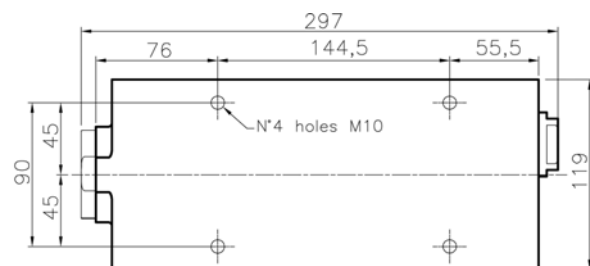
Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)



Air oil integrated group equipped with thermostat and minimum pressure valve

Model:
GSO 40

Air flow rate:
Up to 4 m³/min
Oil flow rate:
70 l/min



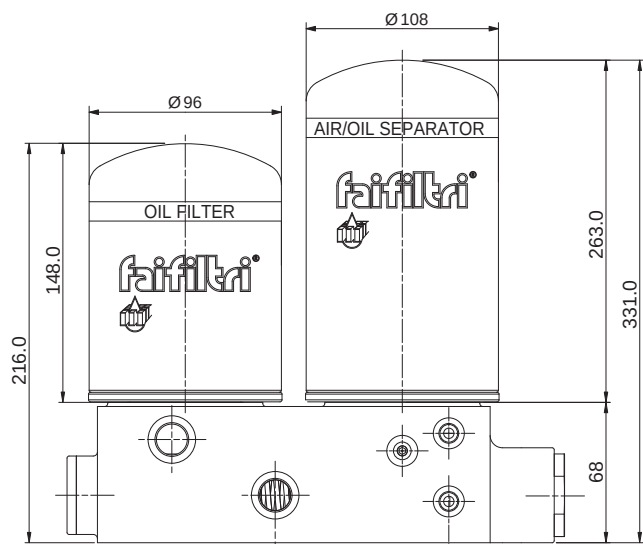
Choice of integrated group oil filter – air/oil separator filter equipped with thermostat and minimum pressure valve

GSO 40							
Thermostat		Clogging indicator		Separator filter		Oil filter	
55°C	A	S	Without	X	Without	X	Without
65°C	B	V	Visual diff. indicator	090	With DSP090.0	050	With CTT05033
71°C	C	E	Electric diff. indicator			070	With CTT07033
83°C	D						

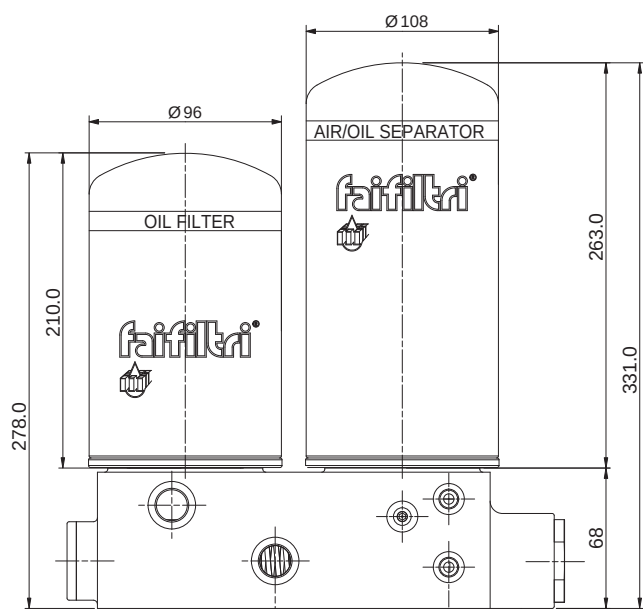
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



Dimensions integrated group equipped with CTT050 oil filter and DSP090.0 separator filter

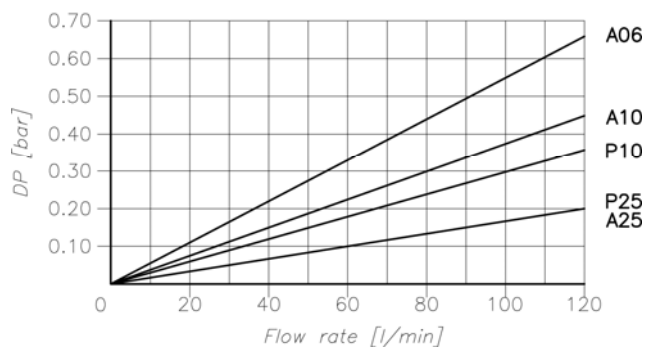


Dimensions integrated group equipped with CTT070 oil filter and DSP090.0 separator filter

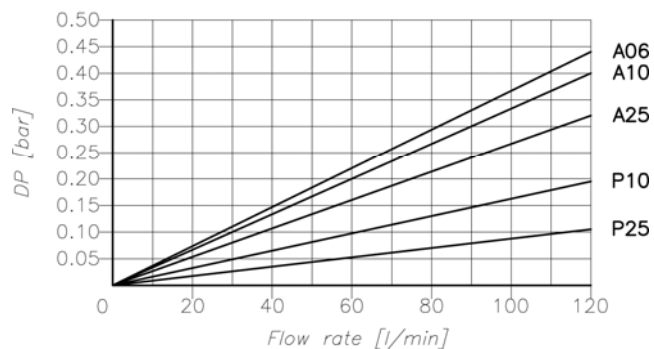
Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

CTT 050



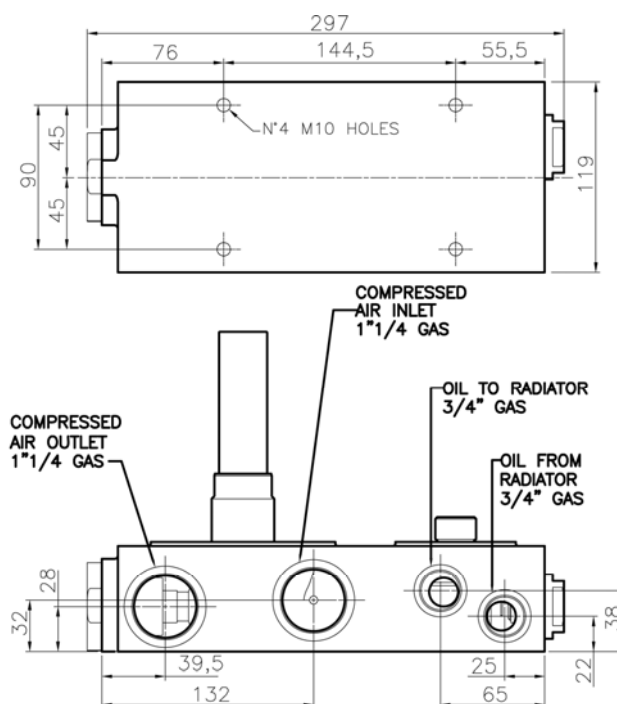
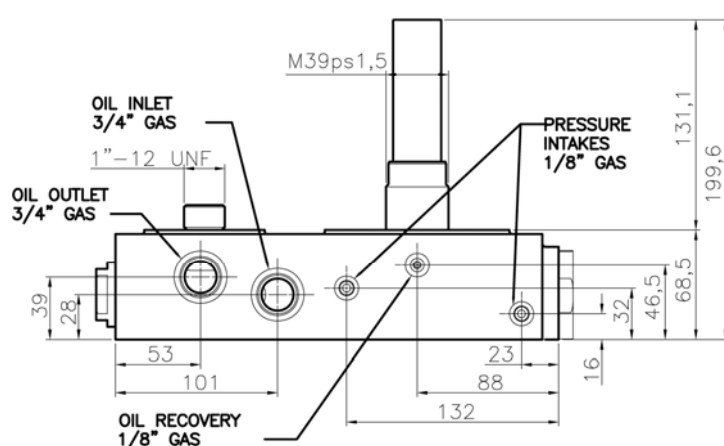
CTT 070



Air oil integrated group equipped with thermostat and minimum pressure valve

Model:
GSO 55

Air flow rate:
Up to 5.5 m³/min
Oil flow rate:
70 l/min



Choice of integrated group oil filter – air/oil separator filter equipped with thermostat and minimum pressure valve

GSO 55							
Thermostat		Clogging indicator		Separator filter		Oil er	Filtration type Oil filter
55°C	A	S	Without	X	Without	X	A P10 – Paper 10µ
65°C	B	V	Visual diff. indicator	300	With DSP300.0	070	B P25 – Paper 25µ
71°C	C	E	Electric diff. indicator	400	With DSP400.0		C A10 – Microfiber 10µ
83°C	D						D A16 – Microfiber 16µ
							E A25 – Microfiber 25µ

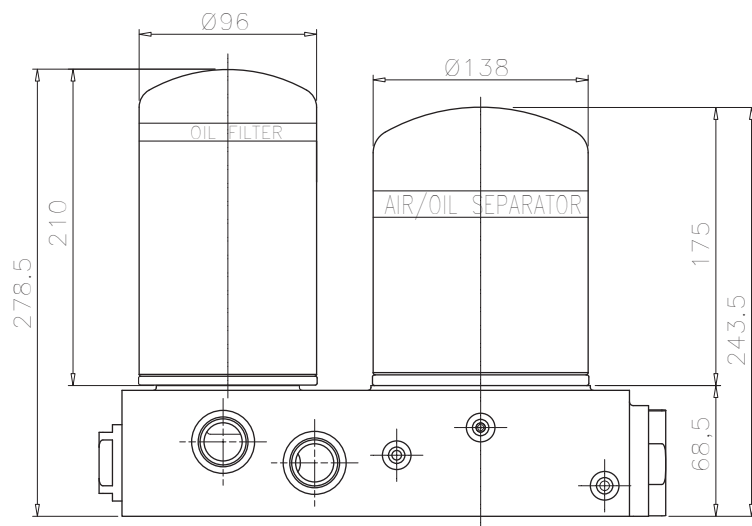
Clogging indicator:

For oil group setting:
1.5 bar

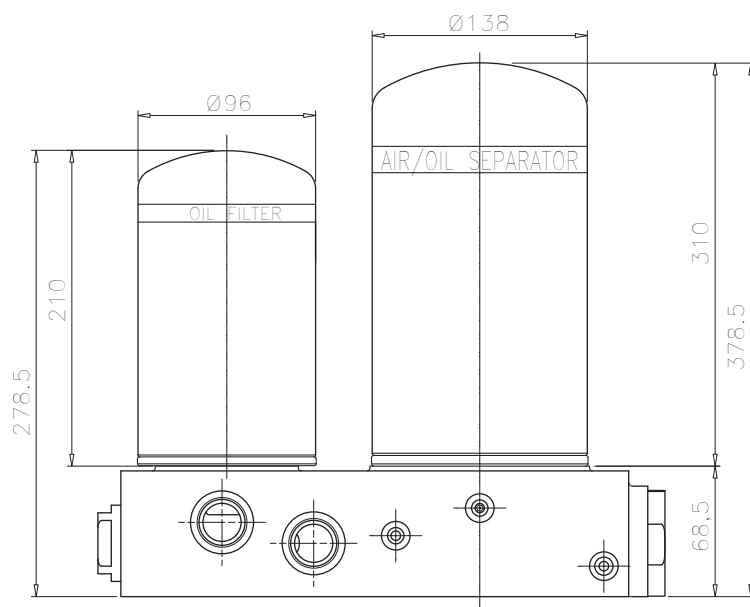
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



Dimensions integrated group equipped with CTT070 oil filter and DSP300.0 separator filter

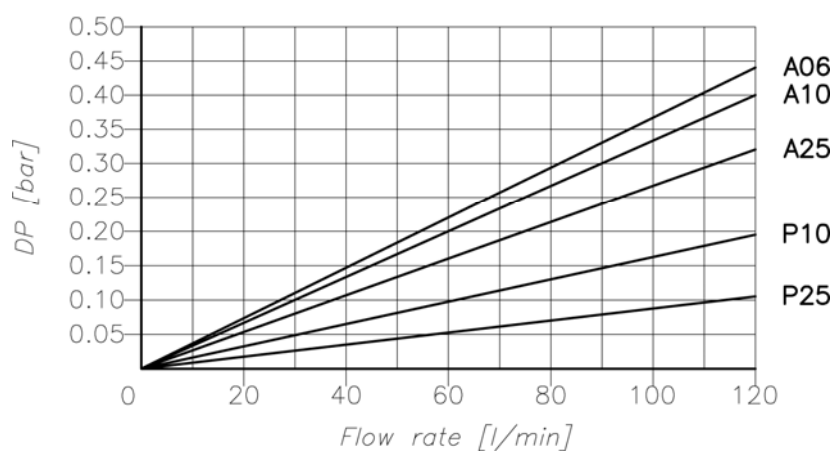


Dimensions integrated group equipped with CTT070 oil filter and DSP400.0 separator filter

Oil filter pressure drop

Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

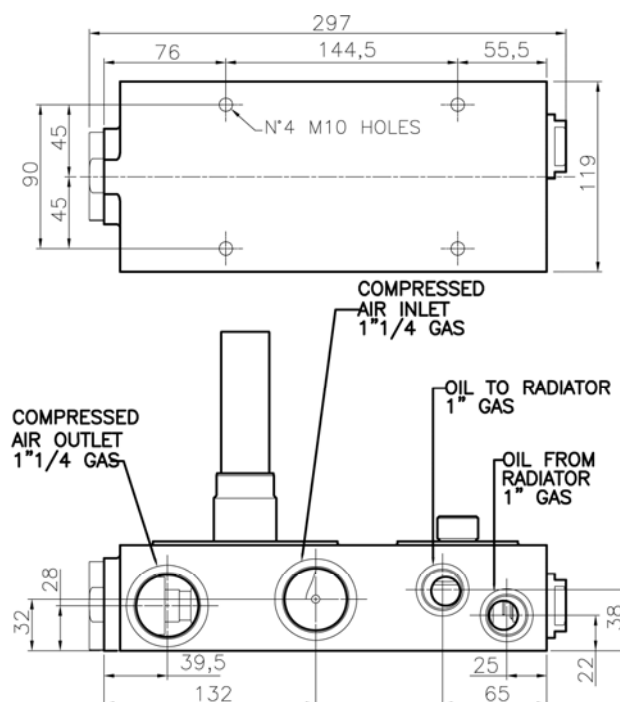
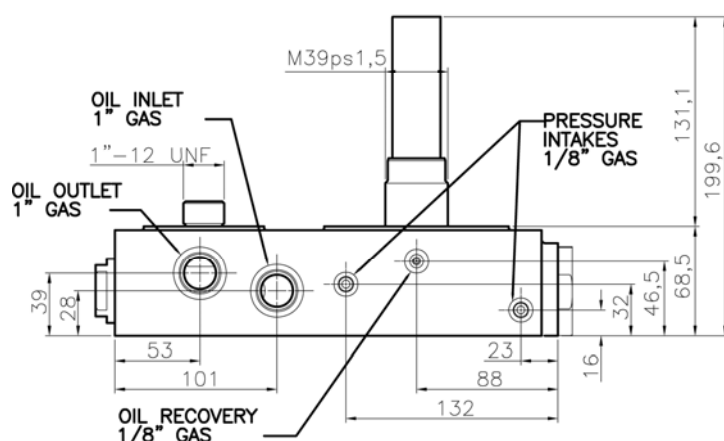
CTT 070



Air oil integrated group equipped with thermostat and minimum pressure valve

Model:
GSO 56

Air flow rate:
up to 5.5 m³/min
oil air flow rate:
70 l/min



Choice of integrated group oil filter – air/oil separator filter equipped with thermostat and minimum pressure valve

GSO 56									
Thermostat		Clogging indicator		Separator filter		Oil filter			
Filtration type		Oil filter							
55°C	A	S	Without	X	Without	A	P10 – Paper 10µ		
65°C	B	V	Visual diff. indicator	300	With DSP300.0	070	With CTT07033	B	P25 – Paper 25µ
71°C	C		Electric diff. indicator					C	A10 – Microfiber 10µ
83°C	D	E		400	With DSP400.0			D	A16 – Microfiber 16µ
								E	A25 – Microfiber 25µ

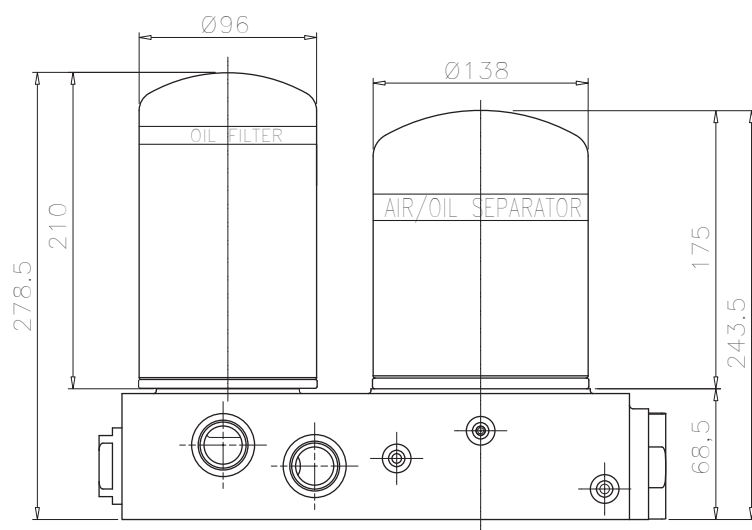
Clogging indicator:

For oil group setting:
1.5 bar

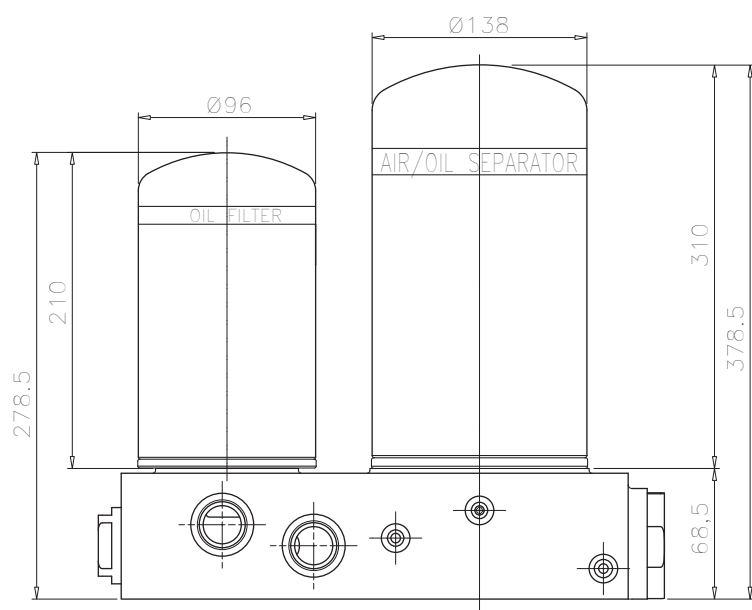
Oil filter filtering baffles legend:

P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25μ

A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25μ



Dimensions integrated
group equipped with
CTT070 oil filter and
DSP300.0 separator filter

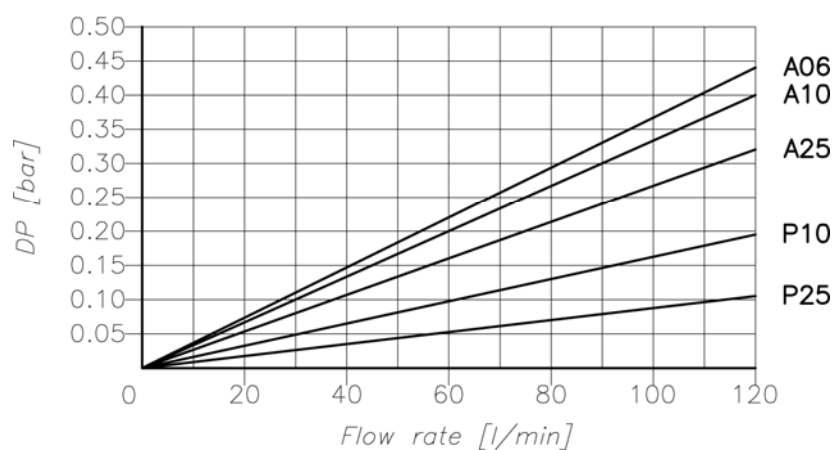


Dimensions integrated
group equipped with
CTT070 oil filter and
DSP400.0 separator filter

Oil filter pressure drop

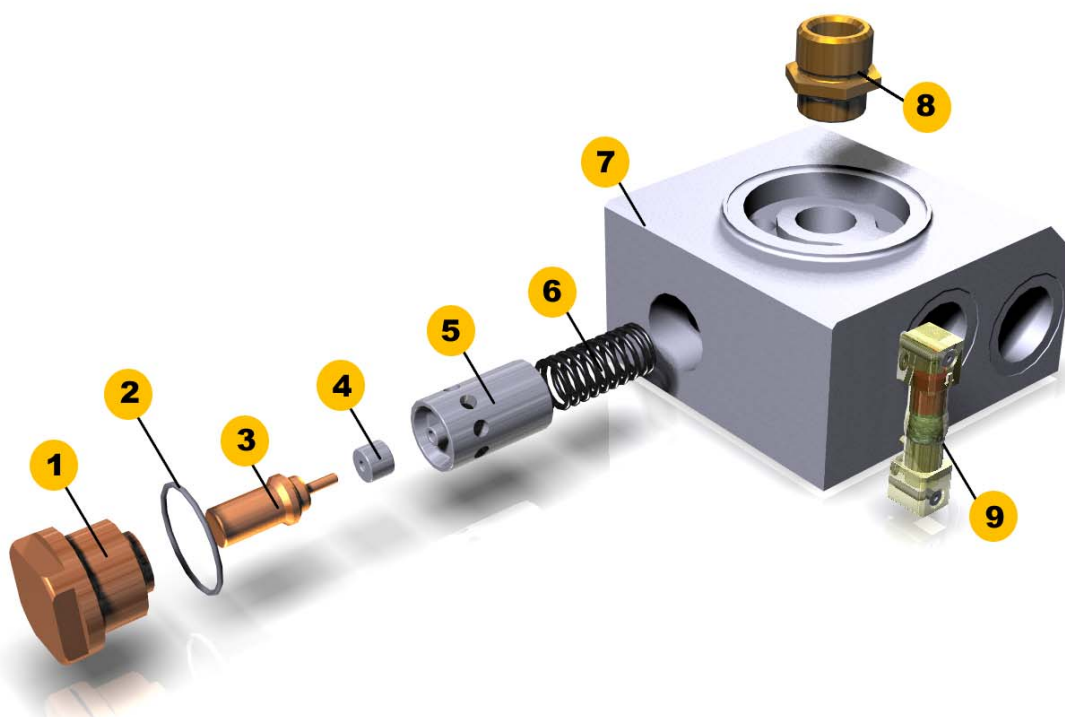
Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

CTT 070



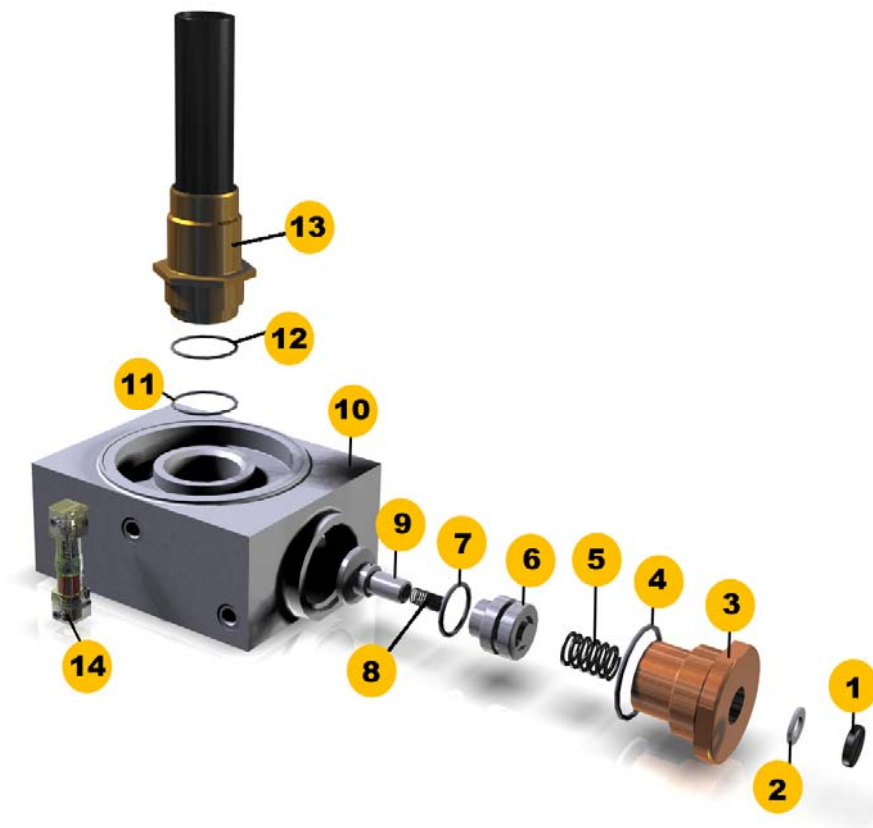
Oil group spare parts

1	Thermostat closing plug. for group GO025-GO050-GO070	033.1.0012
	Thermostat closing plug. for group GO071-GO072	033.1.0018
	Thermostat closing plug. for group GO400	033.1.0013
2	Thermostat O-Ring seal for group GO025-GO050-GO070 (OR 3118)	032.1.0204
	Thermostat O-Ring seal for group GO071-GO072 (OR 2137)	032.1.0250
	Thermostat O-Ring seal for group GO400 (OR 2175)	033.1.0252
3	Thermosensitive element for oil groups	
	55°C	036.1.0055
	65°C	036.1.0071
	71°C	036.1.0056
4	83°C	036.1.0072
	Shutter for group GO400	001.1.6096
5	Thermostat shutter for group GO025-GO050-GO070	036.1.0054
	Thermostat shutter for group GO071-GO072	036.1.0063
	Thermostat shutter for group GO400	036.1.0057
6	Thermostat spring for group GO025-GO050-GO070	003.1.0162
	Thermostat spring for group GO071-GO072	003.1.0162
	Thermostat spring for group GO400	003.1.0163
7	GO025 Oil group head with no holes for differential indicator	029.1.0275
	GO025 Oil group head with no holes for differential indicator	029.1.0276
	GO050-GO070 Oil group head with no holes for differential indicator	029.1.0278
	GO050-GO070 Oil group head with no holes for differential indicator	029.1.0279
	GO071 Oil group head with no holes for differential indicator	029.1.0313
	GO071 Oil group head with no holes for differential indicator	029.1.0315
	GO072 Oil group head with no holes for differential indicator	029.1.0314
	GO072 Oil group head with no holes for differential indicator	029.1.0316
	GO400 Oil group head with no holes for differential indicator	029.1.0298
	GO400 Oil group head with no holes for differential indicator	029.1.0349
8	Reduction unit for GO025-GO050 oil filter group joint	011.1.0299
	Reduction unit for GO070-GO071-GO072 oil filter group joint	011.1.0300
	Reduction unit for GO400 oil filter group joint	011.1.0302
9	Visual differential indicator 1,5 bar	016.2.0003
	Electric differential indicator 1,5 bar	016.2.0005



Air oil separator group spare parts

1	M20x1 ring nut for Minimum pressure valve GS10-GS-15-GS20 valve setting	030.1.0009
2	Washer De.18.5 Di.10 Sp.2	034.1.0044
3	M36x1.5 Minimum pressure valve plug for GS10-GS15-GS20 group M46x1.5 Minimum pressure valve plug for GS55 group	033.1.0011 033.1.0019
4	2137 O-Ring seal for GS10-GS15-GS20 group 3175 O-Ring seal for GS55 group	032.1.8087 032.1.8103
5	Minimum pressure valve spring for GS10-GS15-GS20 group Minimum pressure valve spring for GS55-GS56 group	003.1.0170 003.1.0175
6	Minimum pressure valve cursor for GS10-GS15-GS20 group Minimum pressure valve cursor for GS55 group	036.1.0060 036.1.0055
7	2093 O-Ring seal for GS10-GS15-GS20 group 3100 O-Ring seal for GS55 group	032.1.8095 032.1.8055
8	Minimum pressure valve spring	003.1.0171
9	Minimum pressure valve shutter for GS10-GS15-GS20 group Minimum pressure valve shutter for GS55 group	001.2.0171 001.2.0174
10	GS10-GS15 Oil group head without holes for diff. Ind. GS10-GS25 Oil group head with holes for diff. Ind. GS20 Oil group head without holes for diff. Ind. GS20 Oil group head with holes for diff. Ind. GS55 Oil group head without holes for diff. Ind. GS55 Oil group head with holes for diff. Ind.	029.1.0303 029.1.0350 029.1.0304 029.1.0351 029.1.0323 029.1.0352
11	2068 O-Ring for GS10-GS15-GS20 group 2131 O-Ring for GS55 group	032.1.8086 032.1.8101
12	2087 O-Ring for GS10-GS15-GS20 group 2162 O-Ring for GS55 group	032.1.8096 032.1.8102
13	Adaptor for GS10 – M22x1.5 group Adaptor for GS15-GS20 – M24x1.5 group Adaptor for GS550 – M39x1.5 group	011.2.0063 011.2.0064 011.2.0068



Notes



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