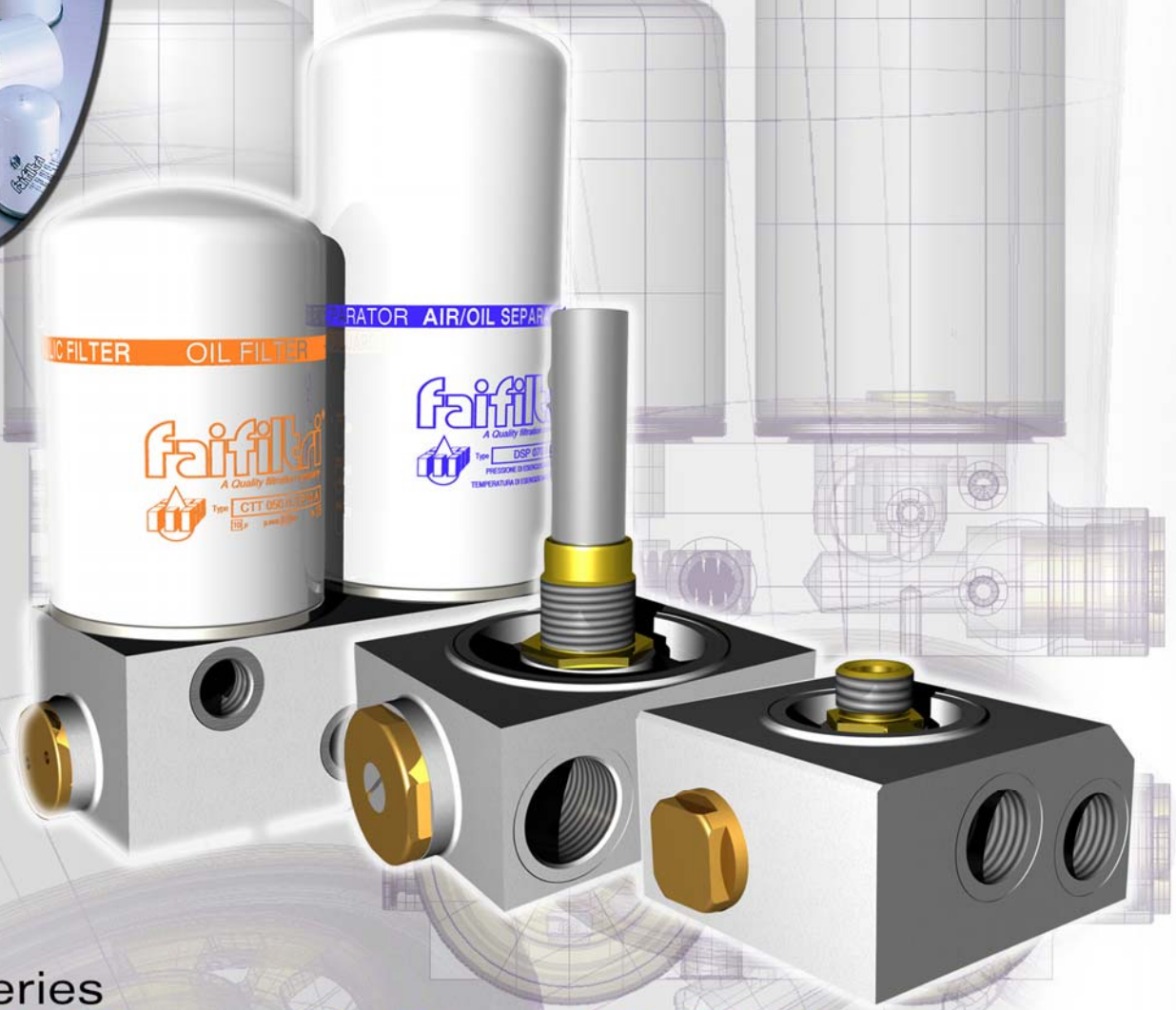
faifiltri
A Quality Filtration Company

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 presure:	**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**

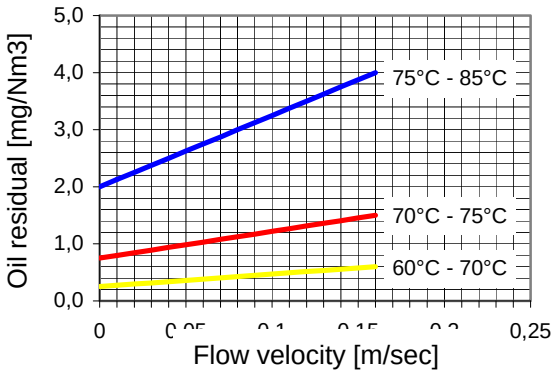
FILTERING ELEMENTS

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 m^3/min (See dimentional table)

Oil filter:

From 20 to 70 l/min (See dimentional 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

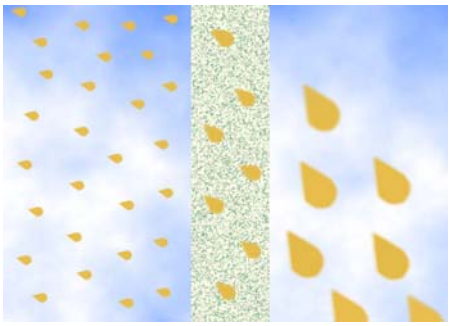
The air/oil separator shall be replaced when reaching a differential pressure (ΔP) up to **1-1,2 bar**. Market research have shown that the average life in normal working conditions can reach over **2500 hours**. Increases in the head loss and the consequent filter operating life depend on the cleanliness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

FILTERING SURFACES

Oil filter					
Type	Filtering surface		Type	Filetring Surface	
	P10/P25	A10/A25		P10/P25	A10/A25
CTT 012	2300 cm²	1370 cm²	**CTT 300**	6160 cm²	3580 cm²
CTT 025	1460 cm²	1020 cm²	**CTT 350**	9350 cm²	5440 cm²
CTT 050	2440 cm²	1700 cm²	**CTT 400**	13580 cm²	7900 cm²
CTT 070	3960 cm²	2700 cm²			

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.



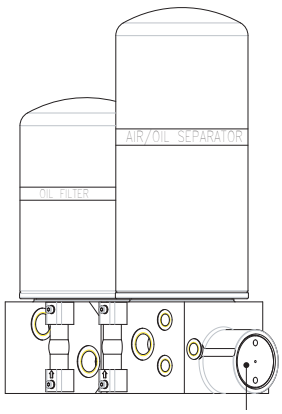
Coalescence principle diagram

MINIMUM PRESSURE VALVE

Setting: **4,5 bar**

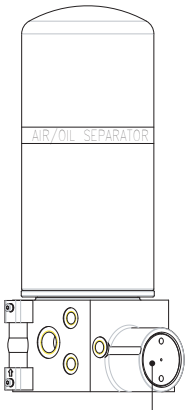
The minimum pressure valve is assembled on the **GSO** integrated group on the air/oil separator side or on the **GS** group. This valve has to stop the outlet compressed air flux of the compressor when this latter goes under certain values. This grants the minimum pressure in the air/oil separator necessary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



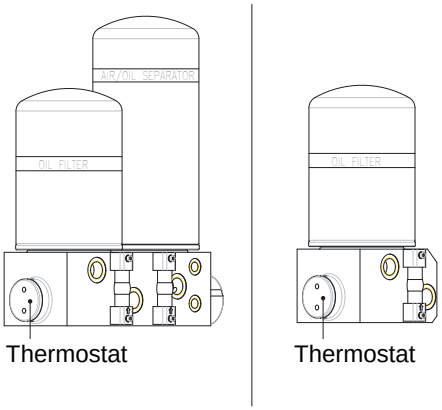
Minimum pressure valve
setting: 4.5 bar

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.

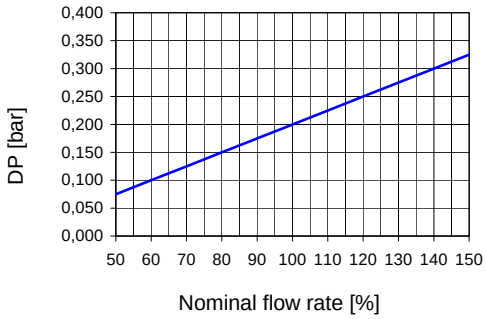


Thermostat Thermostat

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 mm^2/sec. (cSt). The ΔP varies alongside the kinematic viscosity in accordance with the following formulas:

① **Kinematic viscosity variations ≤5**

$$\Delta P\,1 = \frac{v1}{v}\,\Delta P$$

② **Kinematic viscosity variations >5**

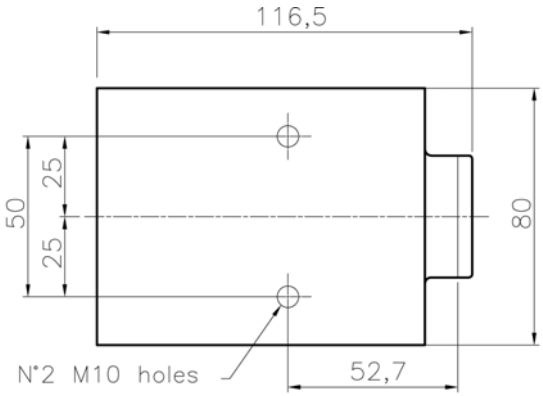
$$\Delta P1 = \frac{\frac{v1}{v} + \sqrt{\frac{v1}{v}}}{2}\,\Delta P$$

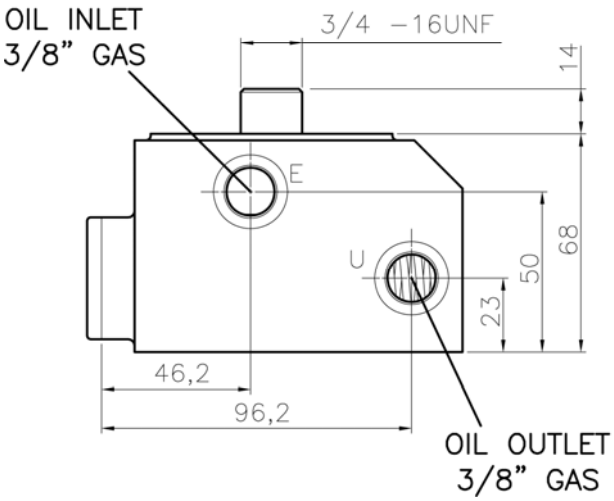
In both formulas **ΔP** stands for pressure drop is derived from the curves, **v** is the reference kinematic viscosity (as to say 30 mm^2/sec); **ΔP1** is the pressure drop to be calculated and **v1** is the actual kinematic viscosity of the fluid used.

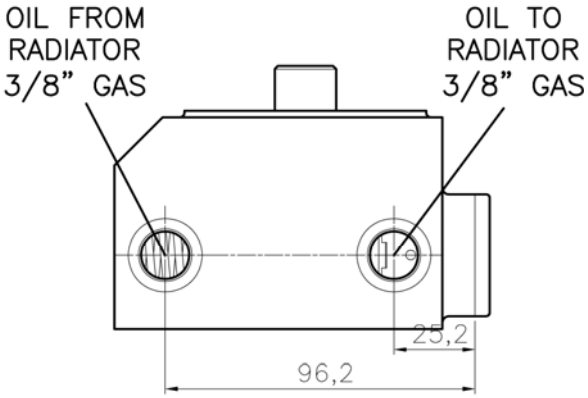
Oil group equipped with thermostat

Model:
GO 025

Oil flow rate:
up to 25 l/min







Choice of the oil filter group equipped with thermostat

GO 025 [ ] [ ] [ ] [ ]

Thermostat

55°C	**A**
65°C	**B**
71°C	**C**
83°C	**D**

Clogging indicator

S	Without
V	Visual diff. Ind.
E	Electric diff. ind.

Clogging indicator:
Setting**: 1.5 bar**

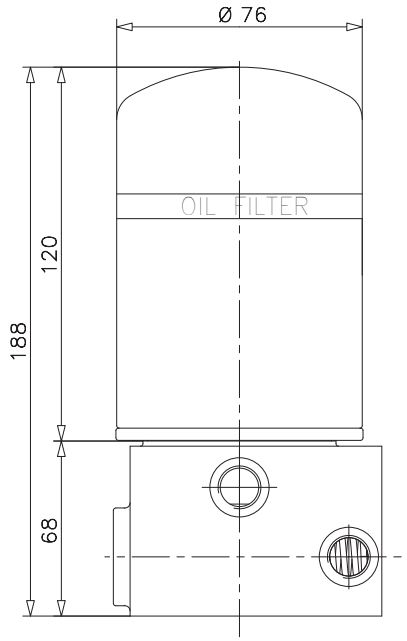
Oil filter

X	Without
012	With CTT01213
025	With CTT02513

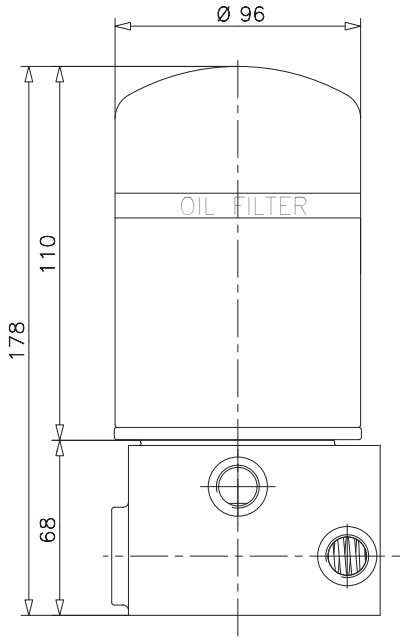
Filtration type Oil filter

A	P10 – Paper 10µ
B	P25 – Paper 25µ
C	A10 – Microfibers 10µ
D	A16 – Microfibers 16µ
E	A25 – Microfibers 25µ

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



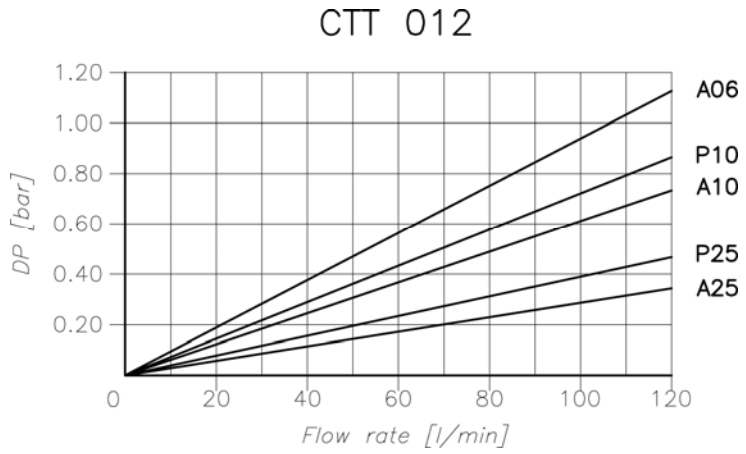
Dimensions of a filter equipped with CTT012 oil cartridge

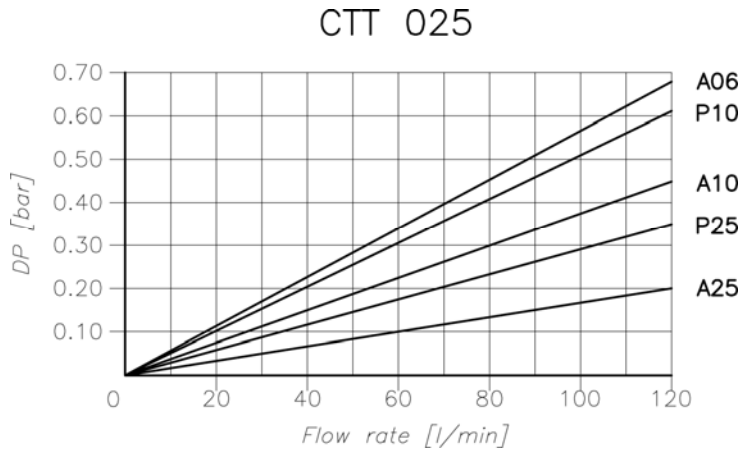


Dimensions of a filter equipped with CTT025 oil cartridge

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)

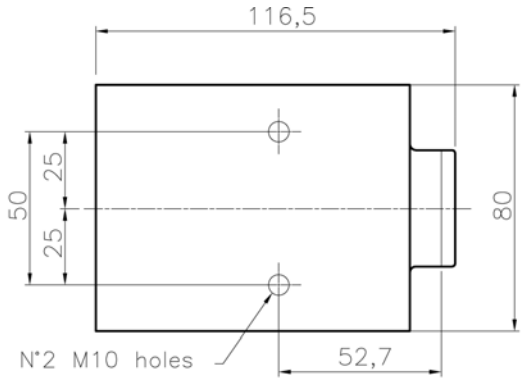


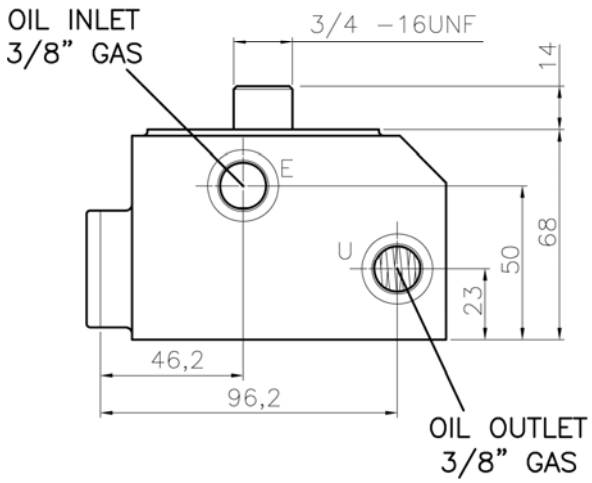


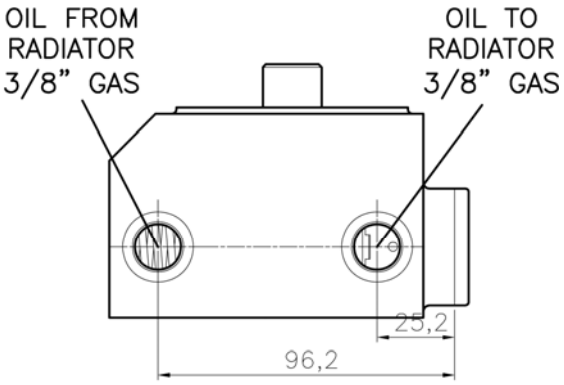
Oil group equipped with thermostat

Model:
GO 050

Oil flow rate:
up to 50 l/min







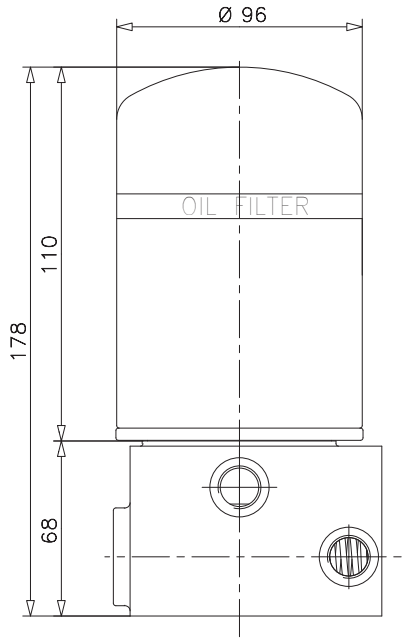
Choice of the oil filter group equipped with thermostat

GO 050 | | | |

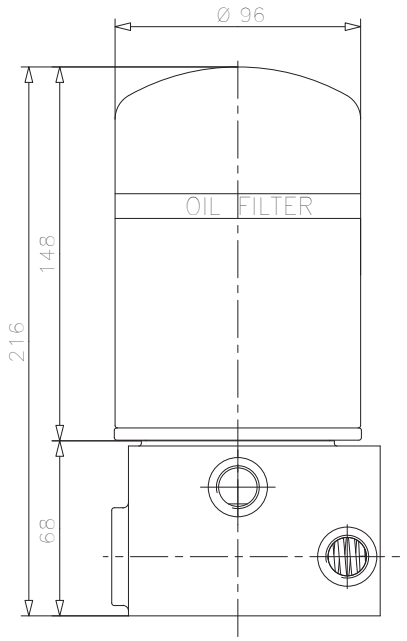
Thermostat		Clogging indicator		Oil filter		Filtration type Oil filter	
55°C	A	S	Without	X	Without	A	P10 – Paper 10µ
65°C	B	V	Visual diff. Ind.	025	With CTT02513	B	P25 – Paper 25µ
71°C	C	E	Electric diff. ind.	050	With CTT05013	C	A10 – Microfibers 10µ
83°C	D					D	A16 – Microfibers 16µ
						E	A25 – Microfibers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

Clogging indicator:
Setting**: 1.5 bar**

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



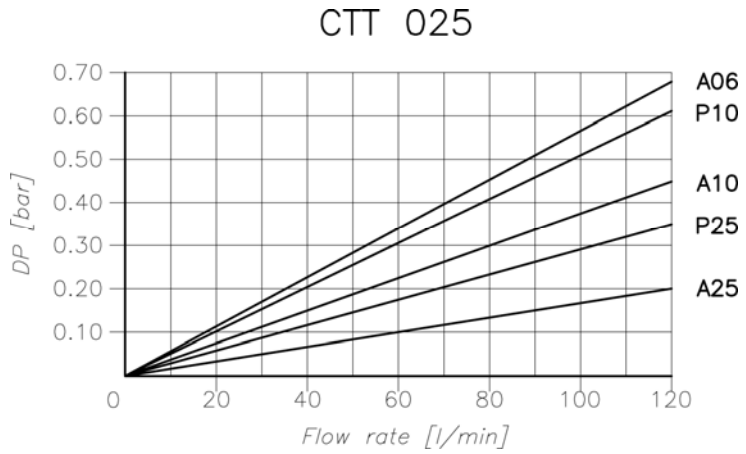
Dimensions of filter equipped with CTT025 oil cartridge

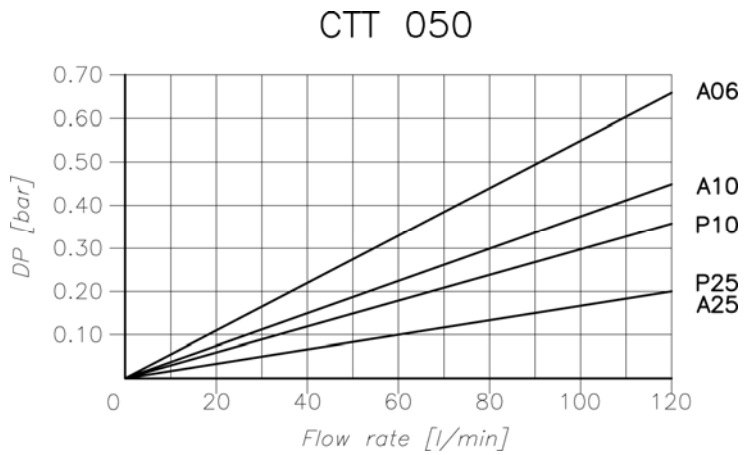


Dimensions of filter equipped with CTT050 oil cartridge

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)

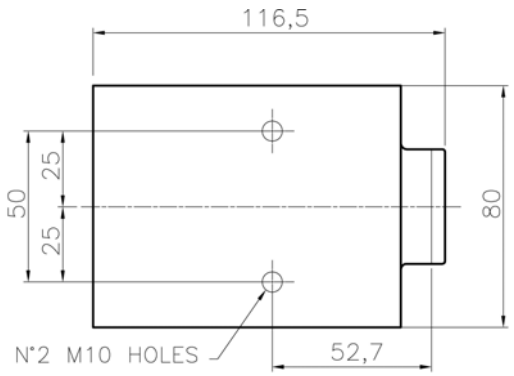


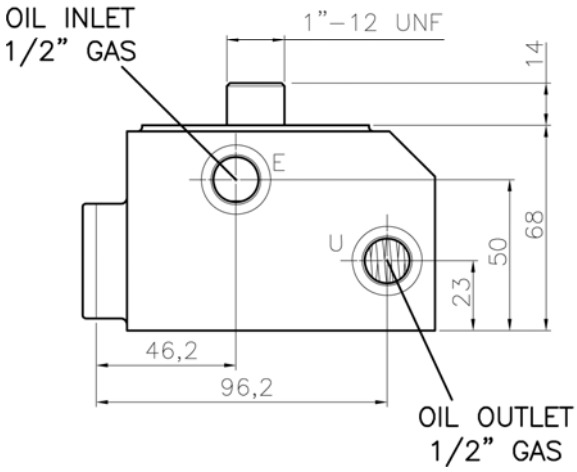


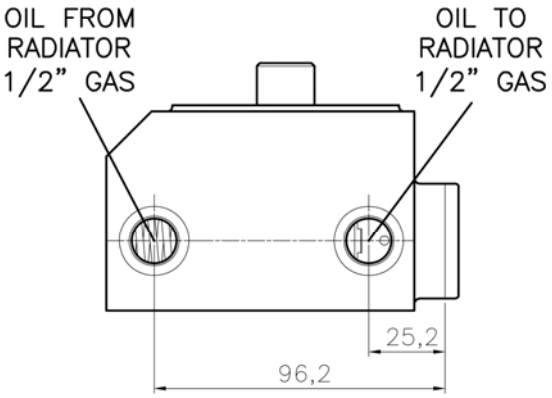
Oil group equipped with thermostat

Model:
GO 070

Oil flow rate:
up to 70 l/min







Choice of oil filter group equipped with thermostat

GO 070 [ ] [ ] [ ] [ ]

Thermostat

55°C	**A**
65°C	**B**
71°C	**C**
83°C	**D**

Clogging indicator

S	Without
V	Visual diff. Ind.
E	Electric diff. ind.

Clogging indicator:
Setting**: 1.5 bar**

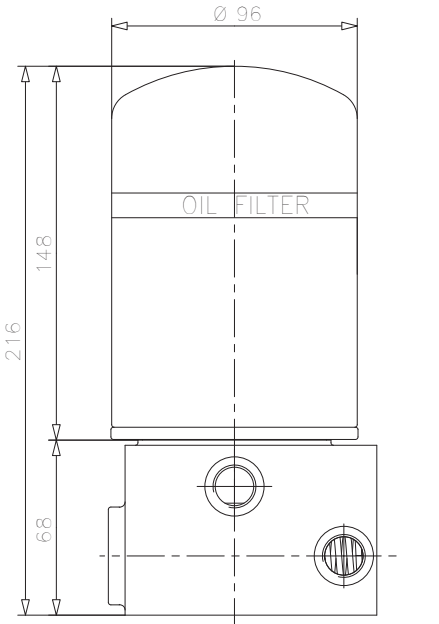
Oil filter

X	Without
050	With CTT05033
070	With CTT07033

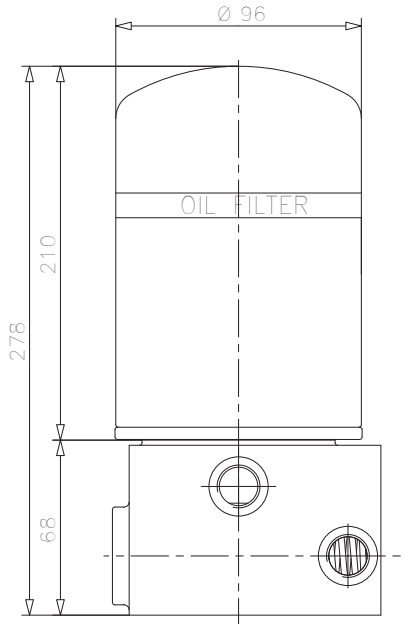
Filtration type Oil filterl

A	P10 – Paper 10µ
B	P25 – Paper 25µ
C	A10 – Microfibers 10µ
D	A16 – Microfibers 16µ
E	A25 – Microfibers 25µ

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

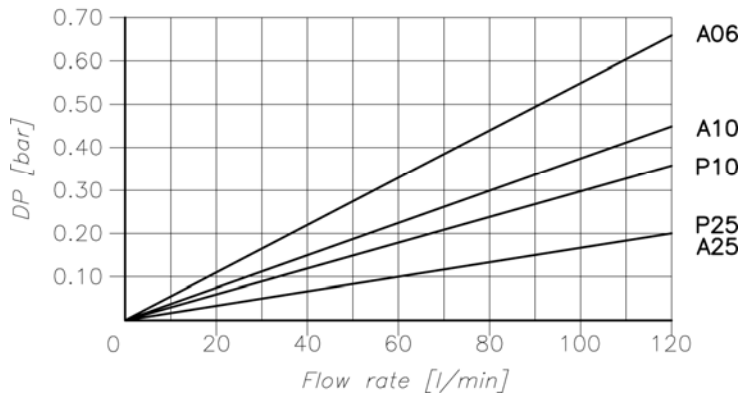


Dimensions of filter equipped with CTT070 oil cartridge

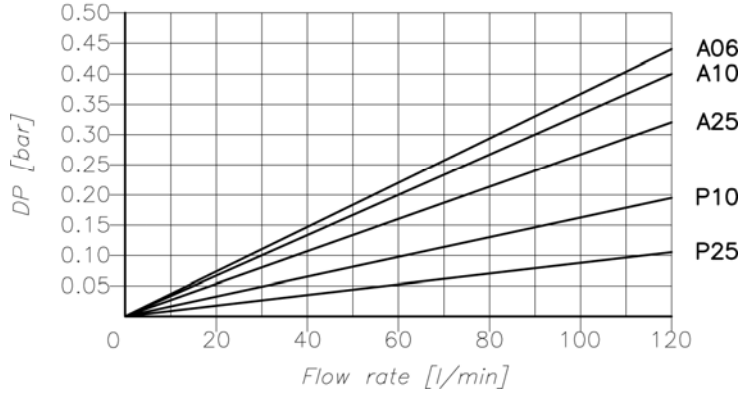
Oil filter pressure drop

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

CTT 050



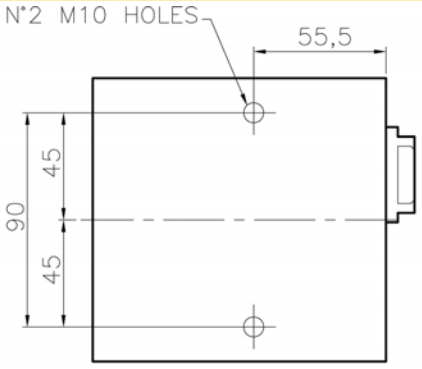
CTT 070

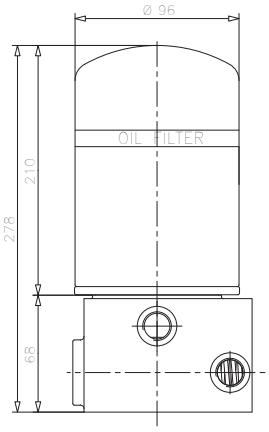


Oil group equipped with thermostat

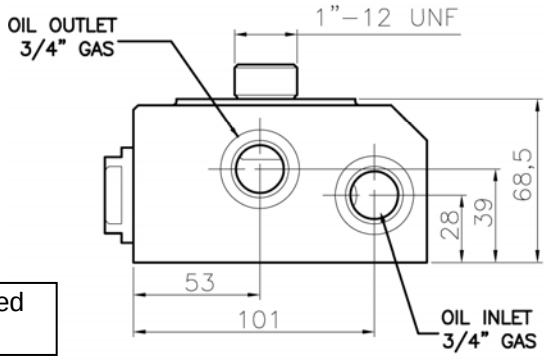
Model:
GO 071

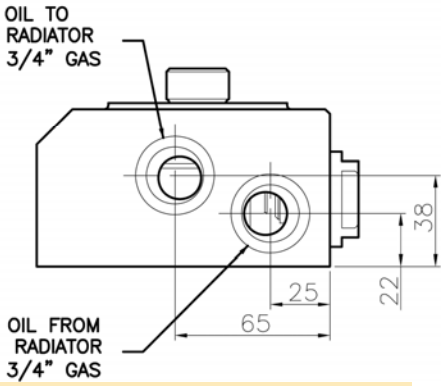
Oil flow rate:
70 l/min





Dimensions of filter equipped with oil cartridge





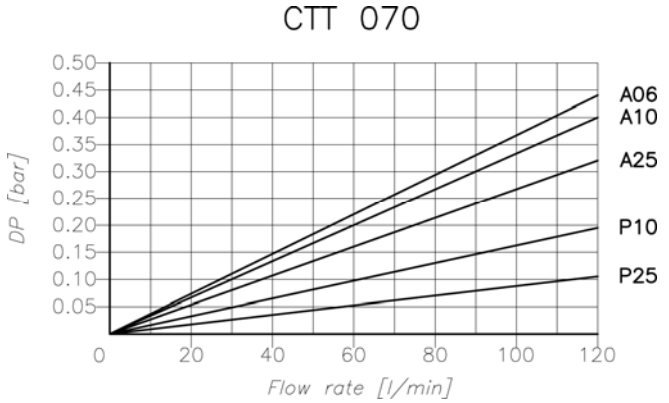
Choice of oil filter group equipped with thermostat

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



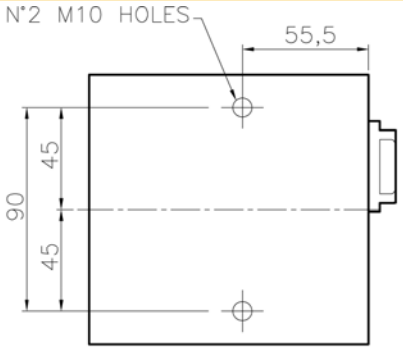
Oil filter pressure drop

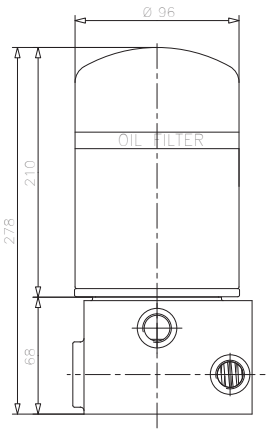
Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)

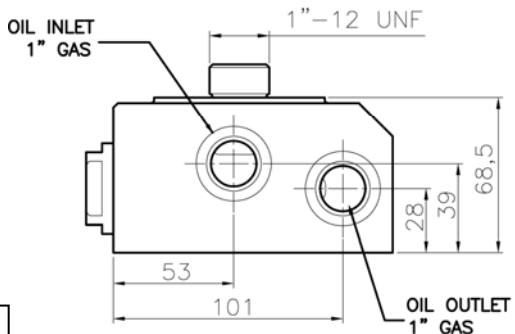
Oil group equipped with thermostat

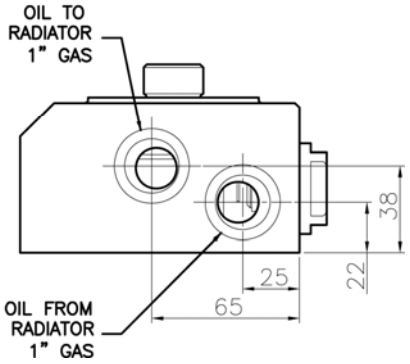
Model:
GO 072

Oil flow rate:
70 l/min









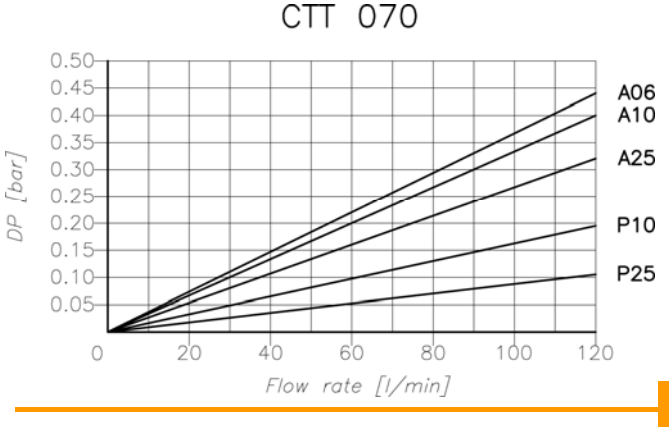
Dimensions of filter equipped with oil cartridge

Choice of oil filter group equipped with thermostat

GO 072			
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



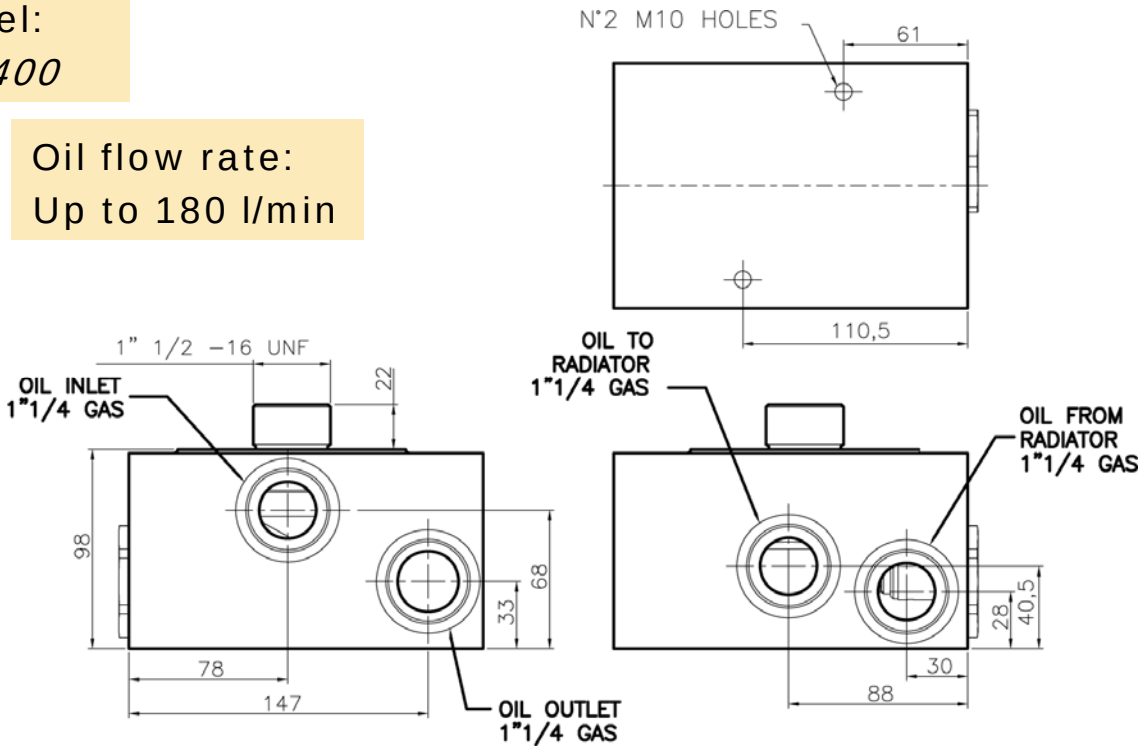
Oil filter pressure drop

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



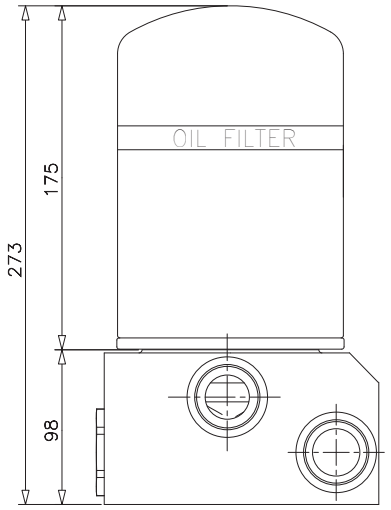
Choice of oil filter group equipped with thermostat

GO 400 | | | |

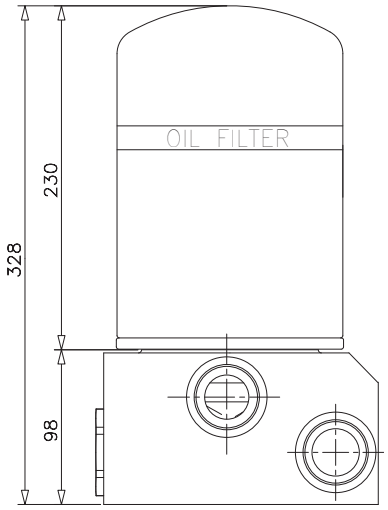
Thermostat		Clogging indicator		Oil filter		Filtration type Oil filterl	
55°C	A	S	Without	X	Without	A	P10 – Paper 10µ
65°C	B	V	Visual diff. Ind.	300	With CTT30063	B	P25 – Paper 25µ
71°C	C	E	Electric diff. ind.	350	With CTT35063	C	A10 – Microfibers 10µ
83°C	D			400	With CTT40063	D	A16 – Microfibers 16µ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

Clogging indicator:
Setting**: 1.5 bar**

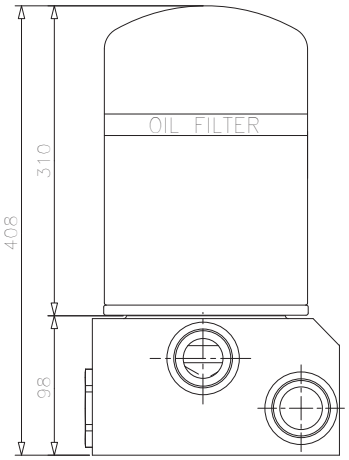
Oil filter filtering baffles legend:
P10 – P25: Cellulose fibers impregnated with phenolic resins, 10 and 25µ
A10 – A16 – A25: Multilayer baffle made of reinforced polyester fibers: 10, 16 and 25µ



Dimensions of filter equipped with CTT300 oil cartridge



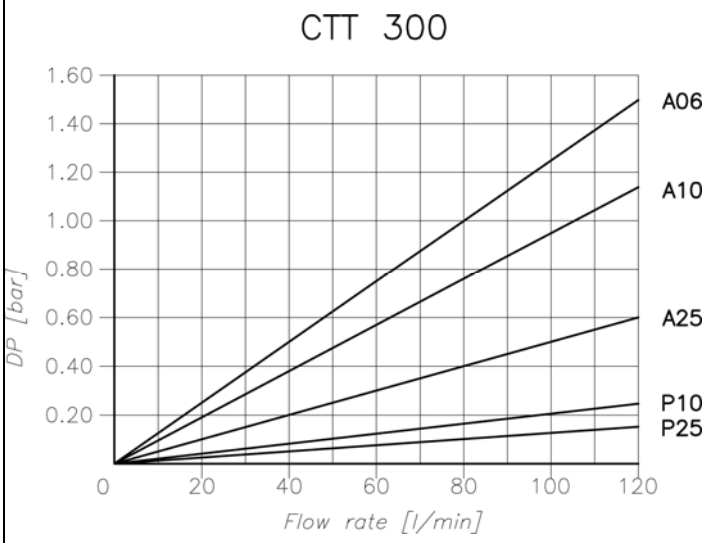
Dimensions of filter equipped with CTT350 oil cartridge

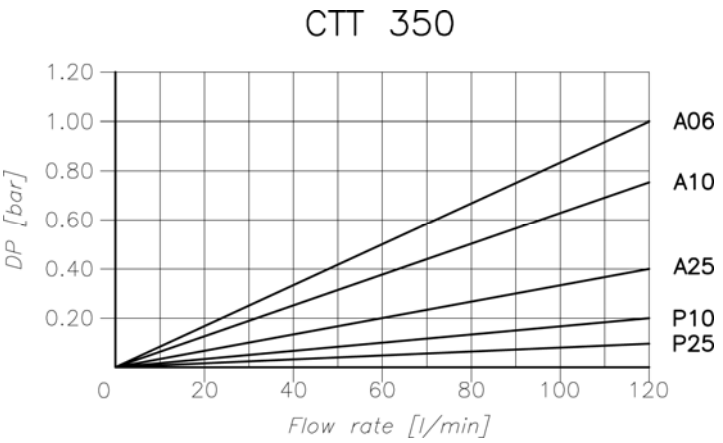


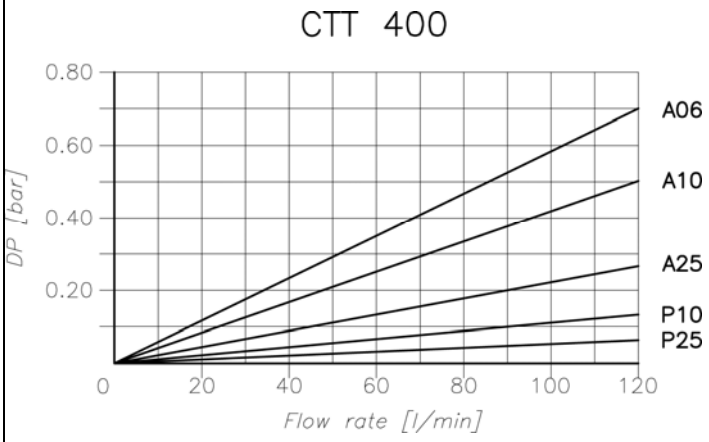
Dimensions of filter equipped with CTT400 oil cartridge

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)



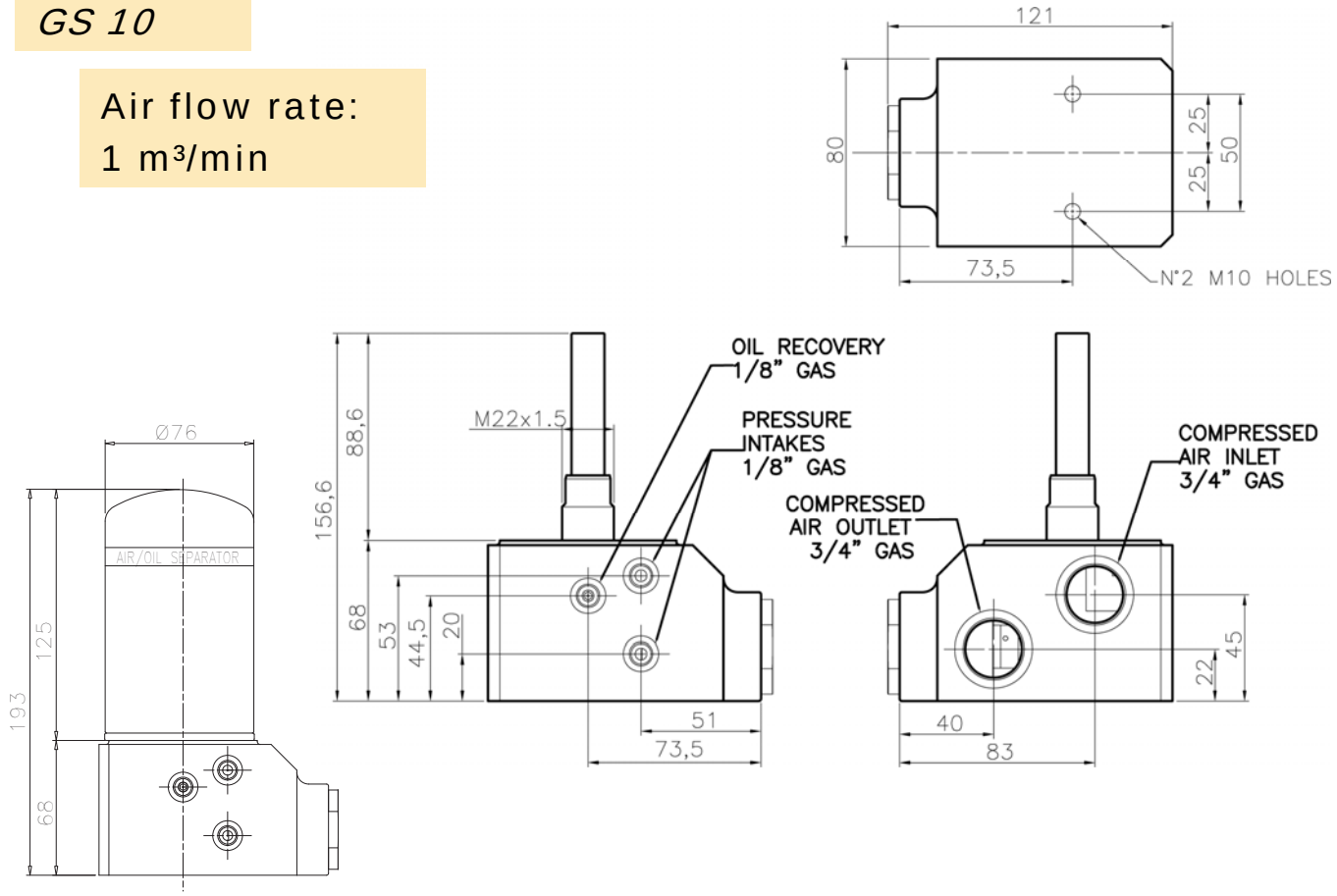




Air/oil separator group equipped with minimum pressure valve

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 | ☐ | ☐

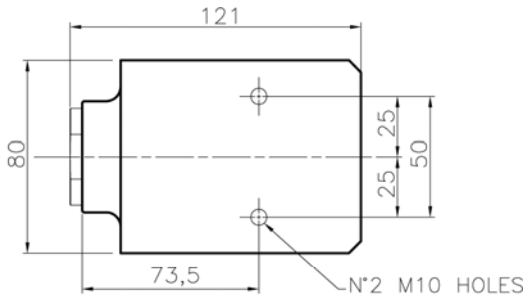
Clogging indicator	
S	No indicator

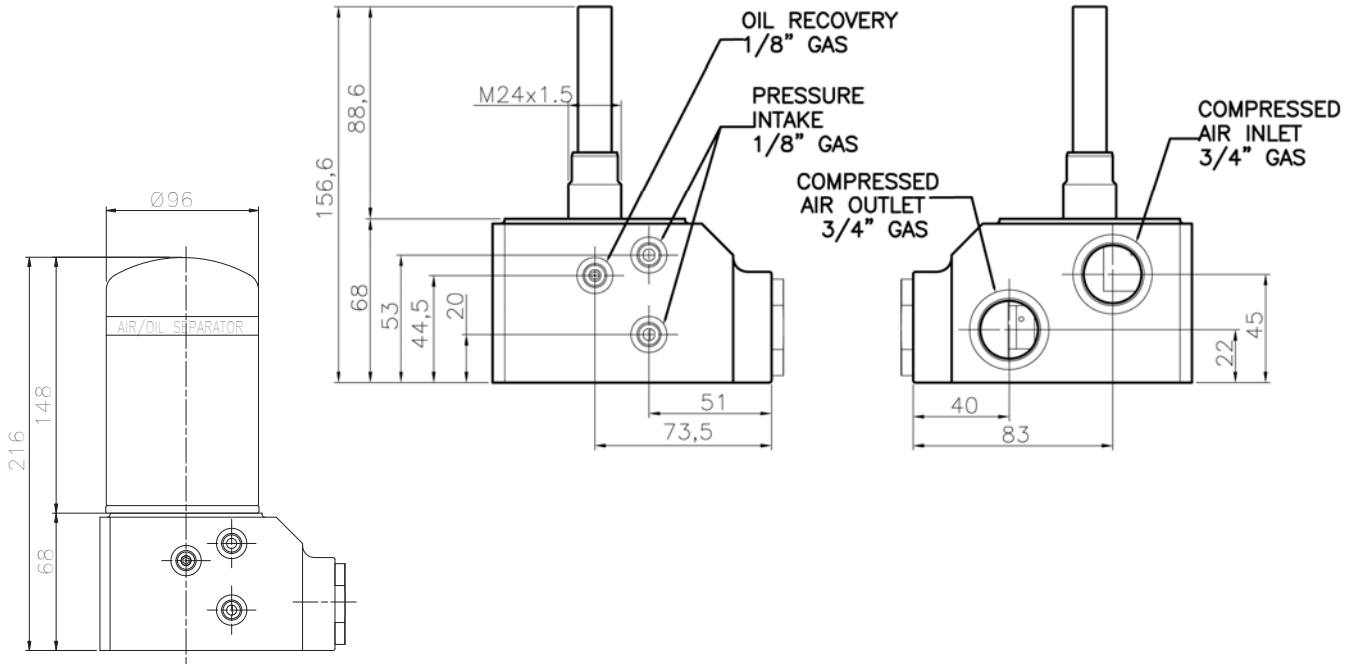
Separator filter	
X	None
012	With DSP012.0

Air/oil separator group separator equipped with minimum pressure valve

Model:
GS 15

Air flow rate:
1.5 m³/min





Dimensions separator group equipped with DSP050.0 filter

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

GS 15 | ☐ | ☐

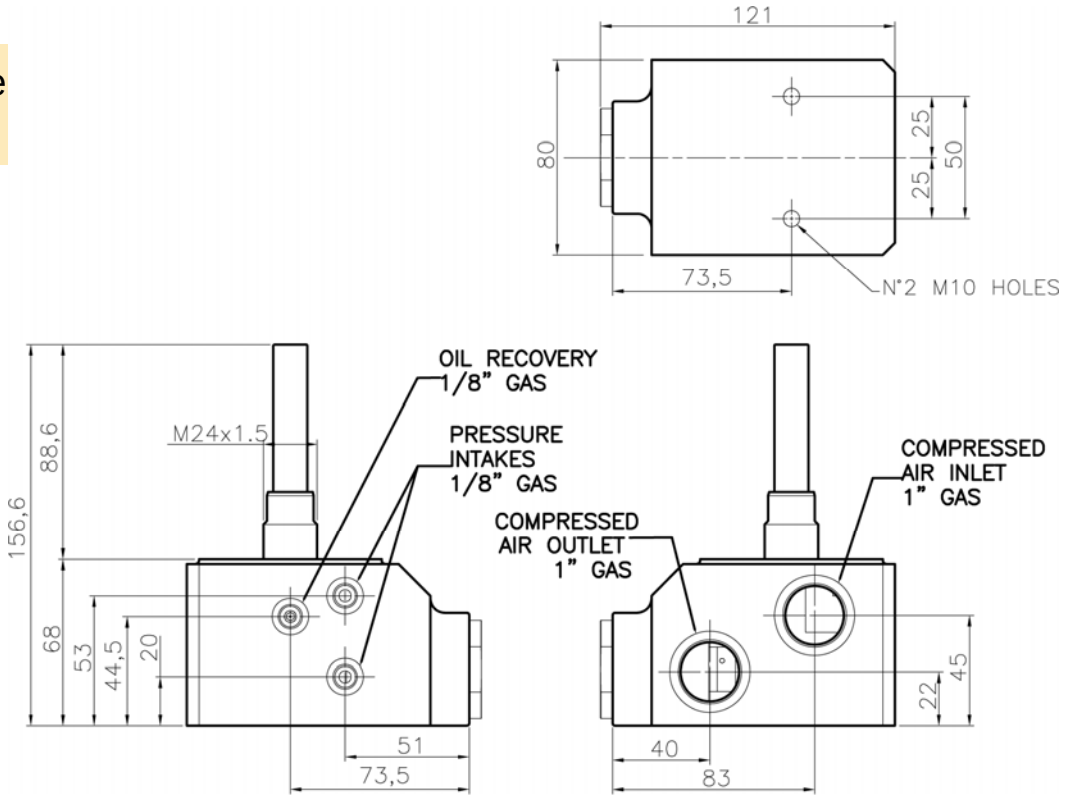
Clogging indicator	
S	NO indicator

Separator filter	
X	None
050	With DSP050.0

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

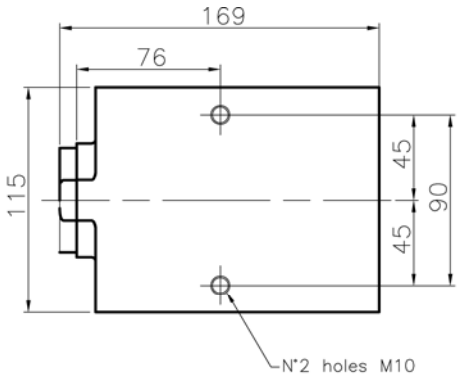
Separator filter

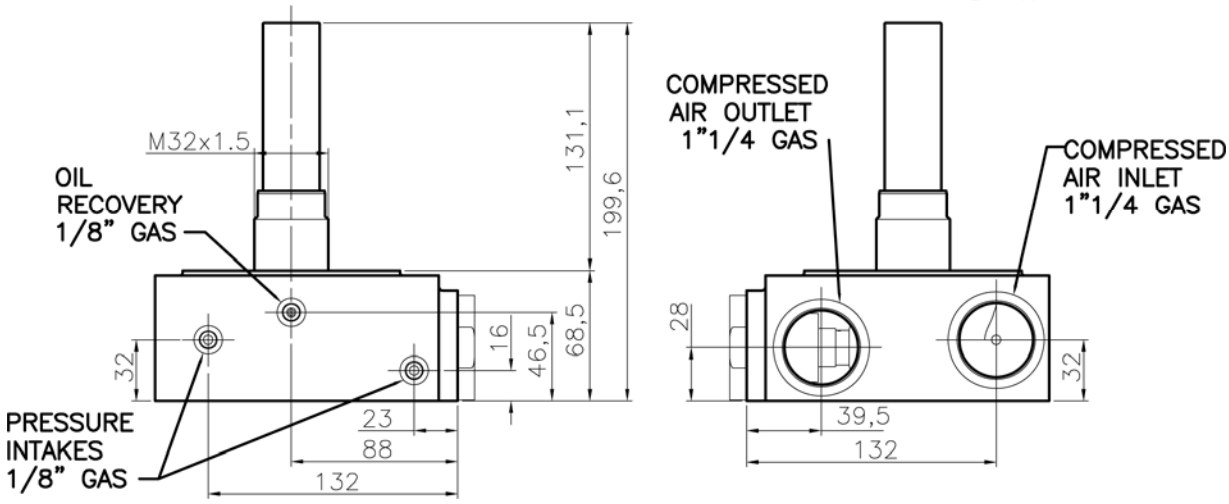
X	None
070	With DSP070.0

Air/oil separator group separator equipped with minimum pressure valve

Model:
GS 40

Air flow rate:
up to 4 m³/min



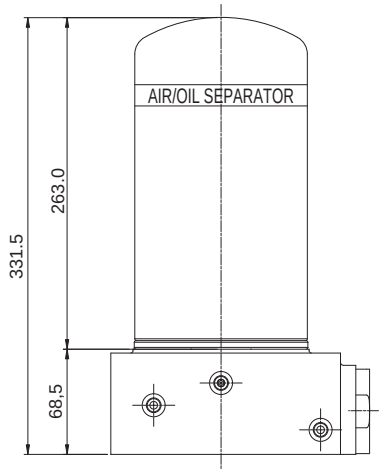


Choice of air/oil separator group equipped with minimum pressure valve

GS 40

Clogging indicator	
S	No indicator

Separator filter	
X	None
090	With DSP090.0

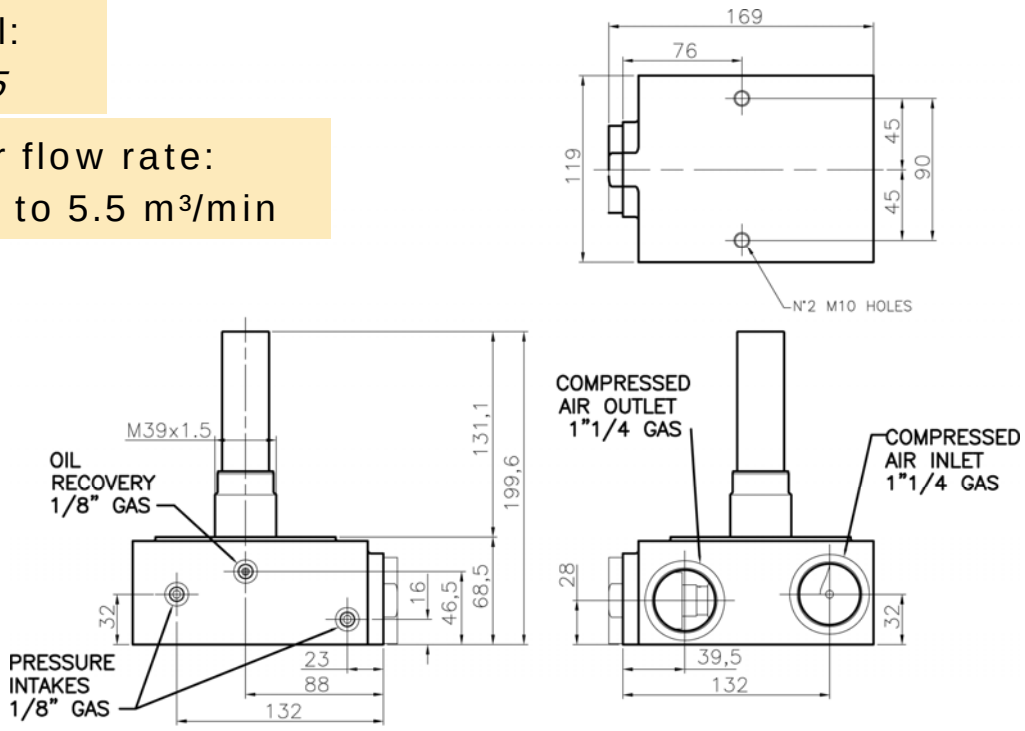


Dimensions separator group equipped with DSP090.0 filter

Air/oil separator group separator equipped with minimum pressure valve

Model:
GS 55

Air flow rate:
up to 5.5 m³/min

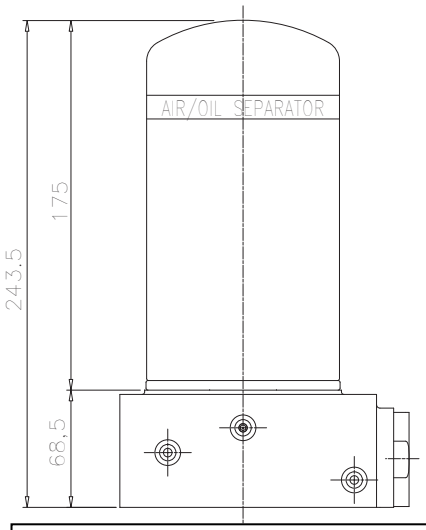


Choice of air/oil separator group equipped with minimum pressure valve

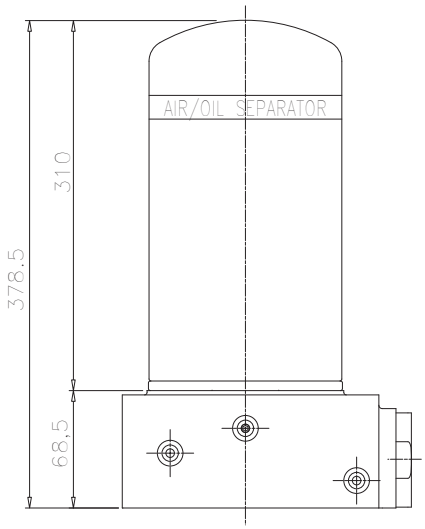
GS 55 | ☐ | ☐

Clogging indicator	
S	No indicator

Separator filter		
X	None	
300	With DSP300.0	Flow rate 3 m³/min
400	With DSP400.0	Flow rate 5.5 m³/min



Dimensions separator group equipped with DSP300.0 filter

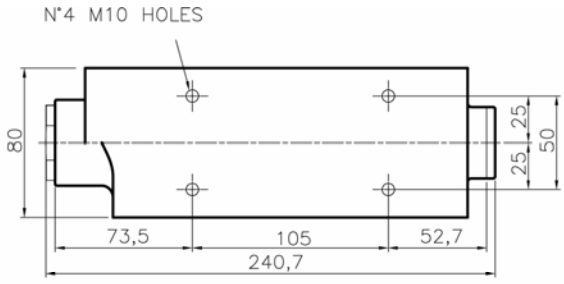


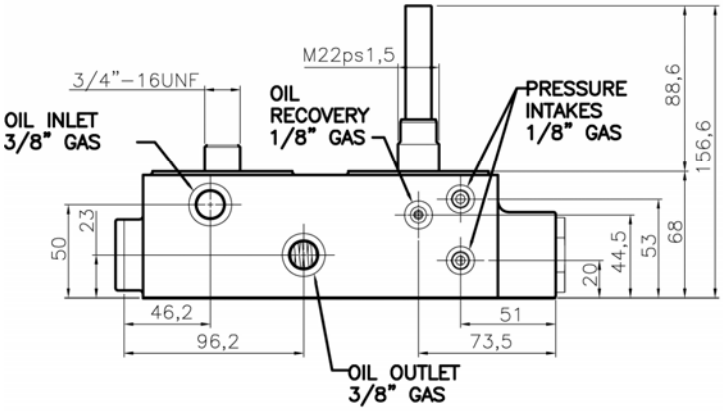
Dimensions separator group equipped with DSP400.0 filter

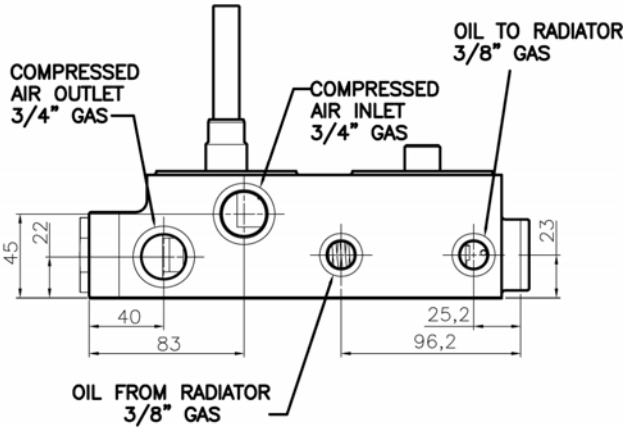
Air oil integrated group equipped with thermostat and minimum pressure valve

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

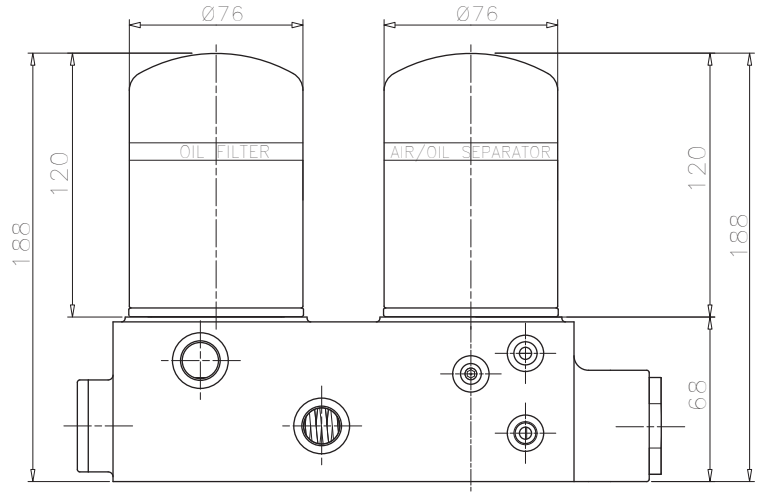
GSO 10 [ ] [ ] [ ] [ ] [ ]

Thermostat		Clogging indicator		Separator filter		Oil filter		Filtration type Oil filter	
55°C	A	S	Without	X	Without	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

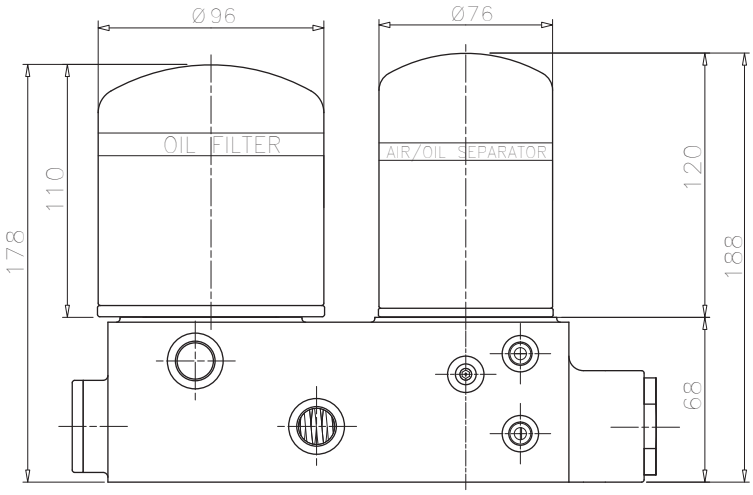
Clogging indicator:

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



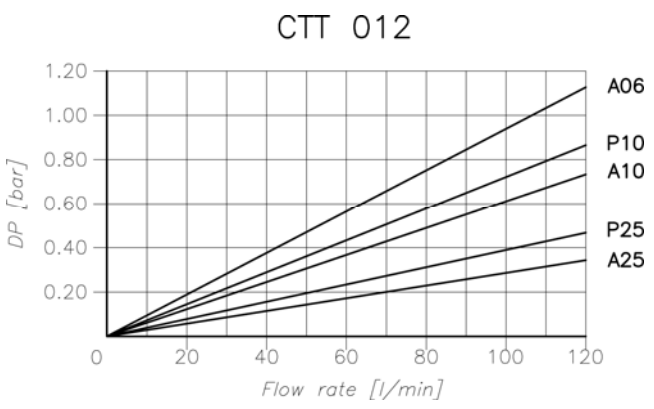
Dimensions integrated group equipped with CTT012 oil filter and DSP012.0 separator filter

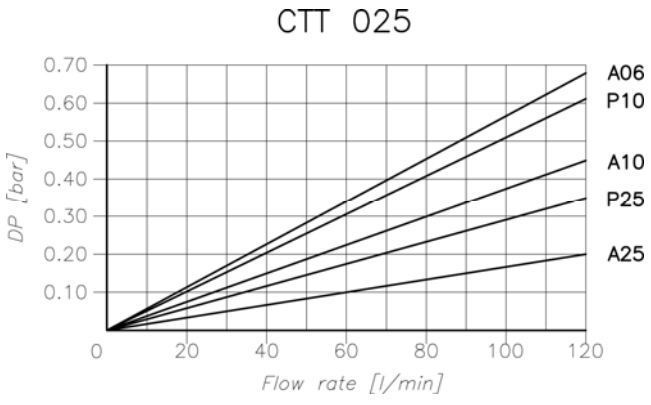


Dimensions integrated group equipped with CTT025 oil filter and DSP012.0 separator filter

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)

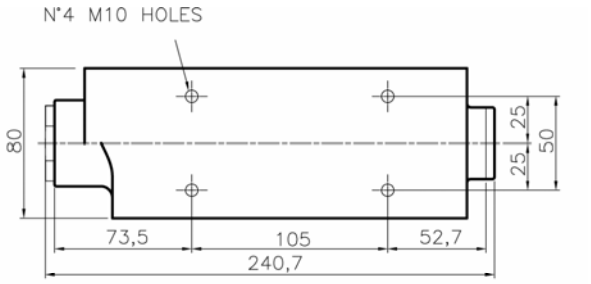


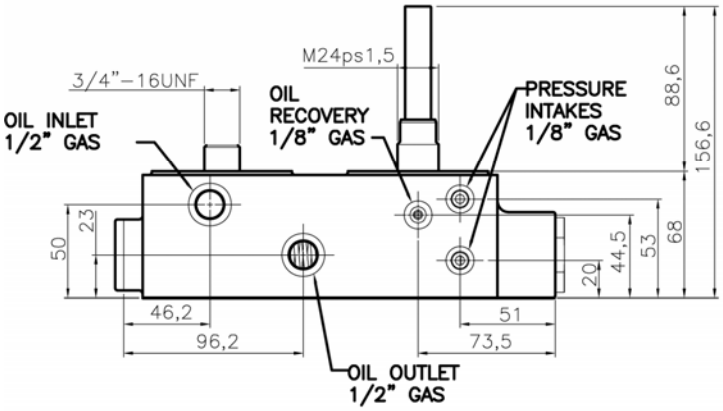


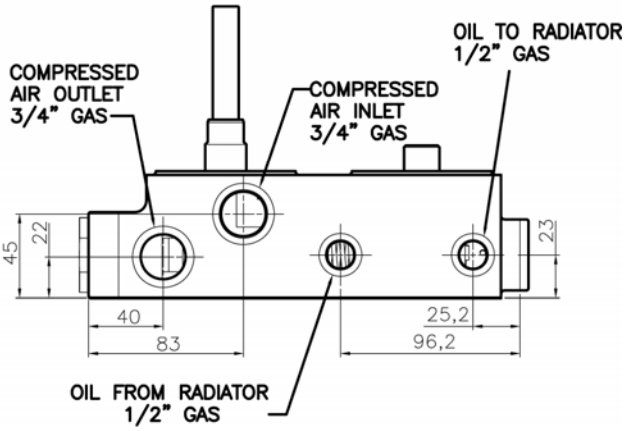
Air/oil integrated group equipped with minimum pressure valve

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	
55°C	A
65°C	B
71°C	C
83°C	D

Clogging indicator	
S	Without
V	Visual diff. indicator
E	Electric diff. indicator

Clogging indicator:

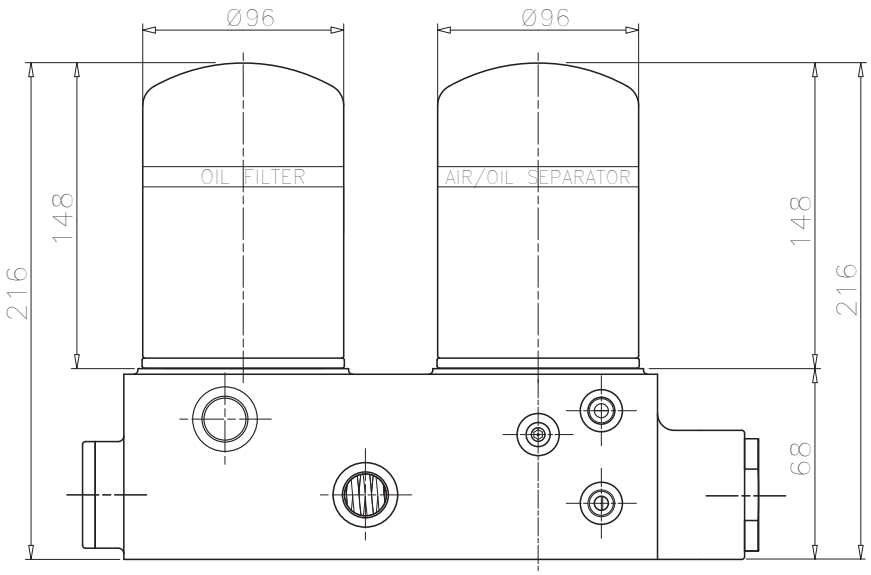
For oil group setting:
1.5 bar

Separator filter	
X	Without
050	With DSP050.0

Oil filter	
X	Without
012	With CTT01213
025	With CTT02513
050	With CTT05013

Filtration type Oil filter	
A	P10 – Paper 10µ
B	P25 – Paper 25µ
C	A10 – Microfiber 10µ
D	A16 – Microfiber 16µ
E	A25 – Microfiber 25µ

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

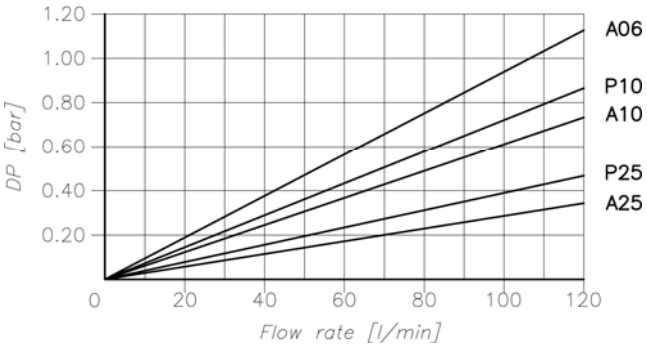


Dimensions integrated group equipped with CTT050oil filter DSP050.0 and separator filter

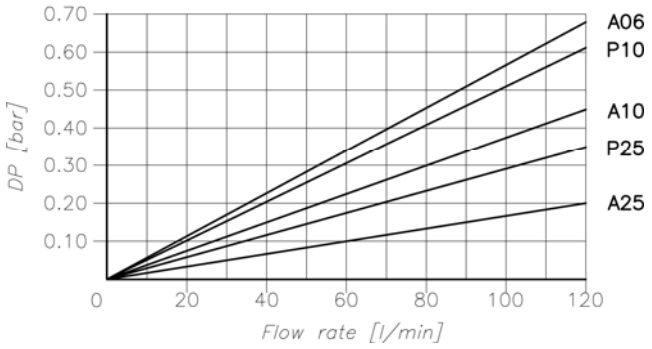
Oil filter pressure drop

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

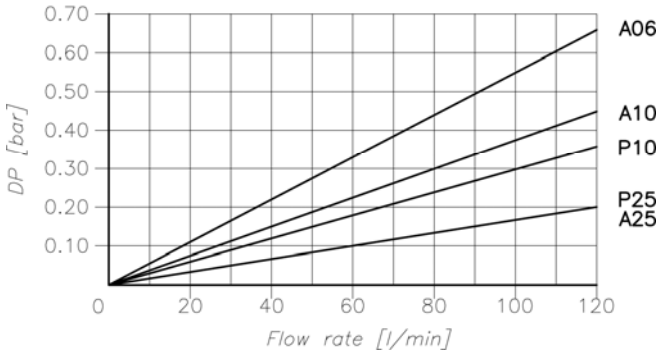
CTT 012



CTT 025



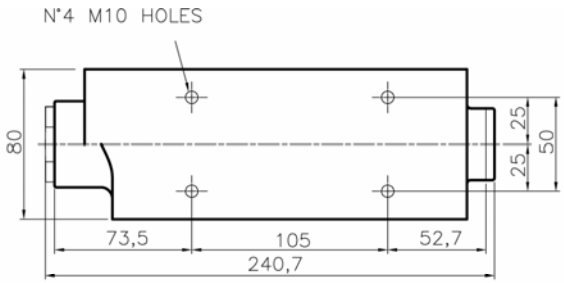
CTT 050

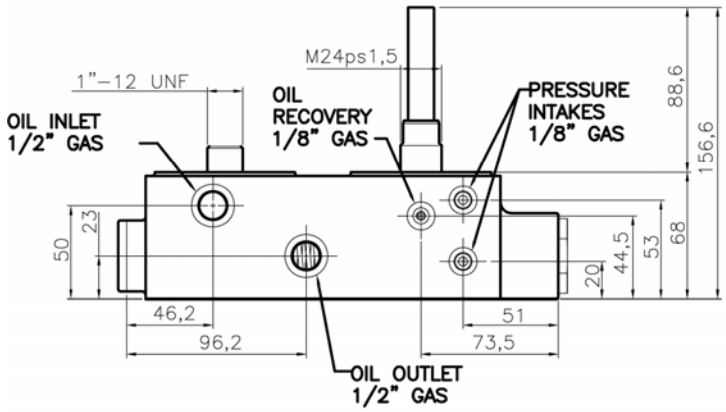


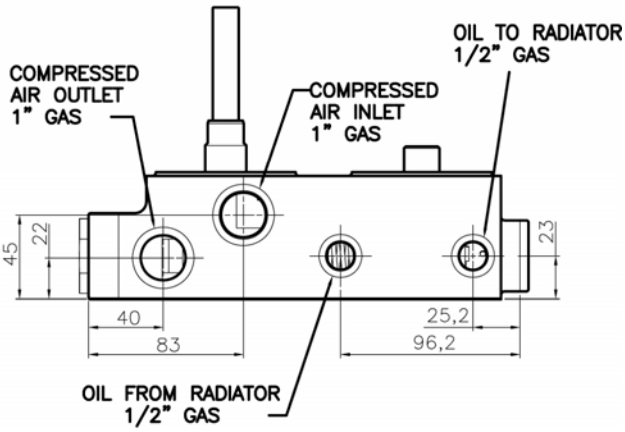
Air oil integrated group equipped with thermostat and minimum pressure valve

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	
55°C	A
65°C	B
71°C	C
83°C	D

Clogging indicator	
S	Without
V	Visual diff. indicator
E	Electric diff. indicator

Separator filter	
X	Without
070	With DSP070.0

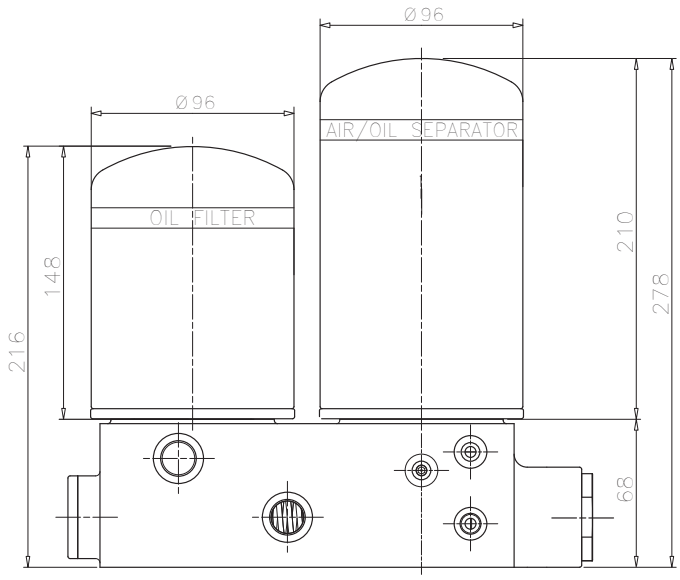
Oil filter	
X	Without
050	With CTT05033
070	With CTT07033

Filtration type Oil filter	
A	P10 – Paper 10µ
B	P25 – Paper 25µ
C	A10 – Microfiber 10µ
D	A16 – Microfiber 16µ
E	A25 – Microfiber 25µ

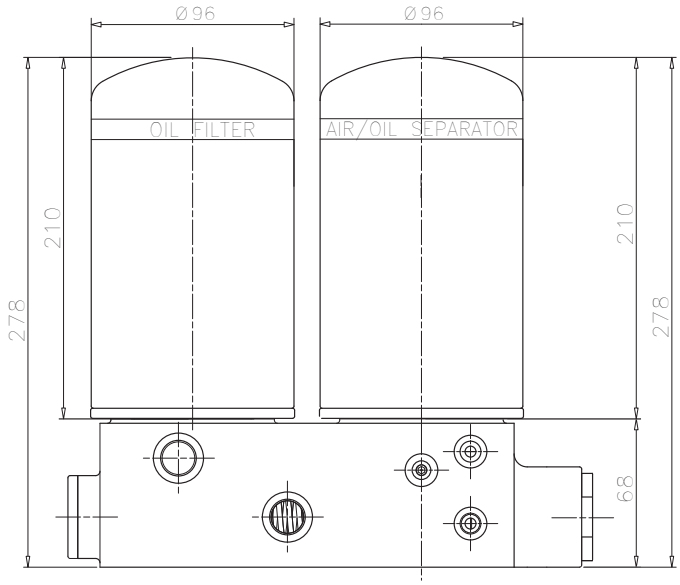
Clogging indicator:

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



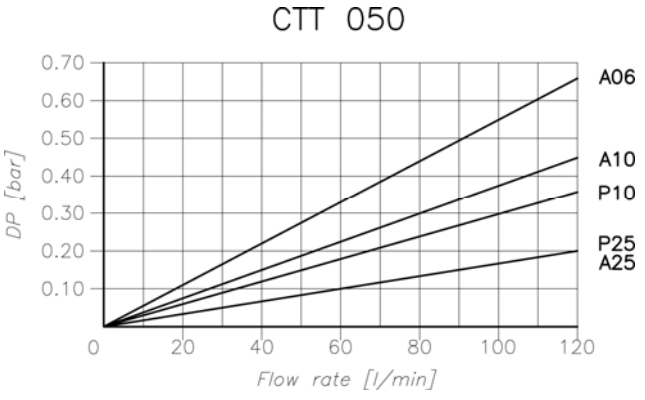
Dimensions integrated group equipped with CTT050 oil filter and DSP070.0 separator filter

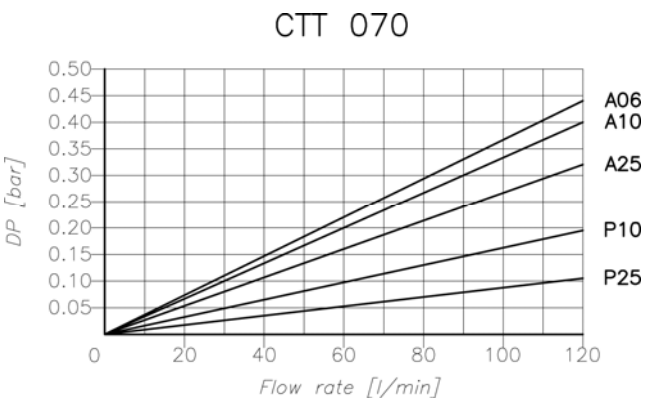


Dimensions integrated group equipped with CTT070 oil filter and DSP070.0 separator filter

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)

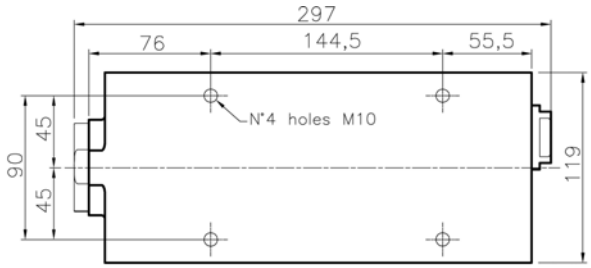


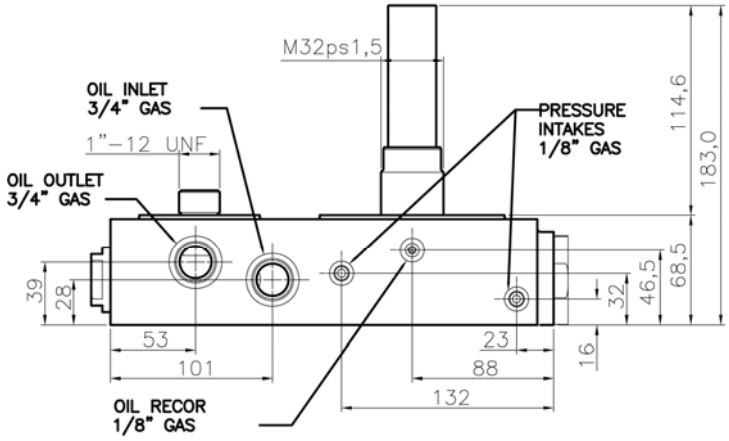


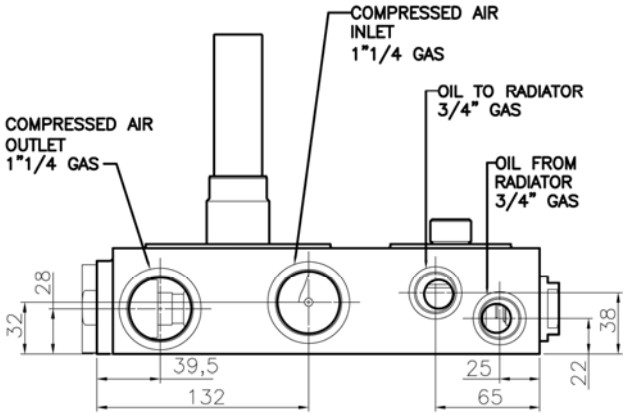
Air oil integrated group equipped with thermostat and minimum pressure valve

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

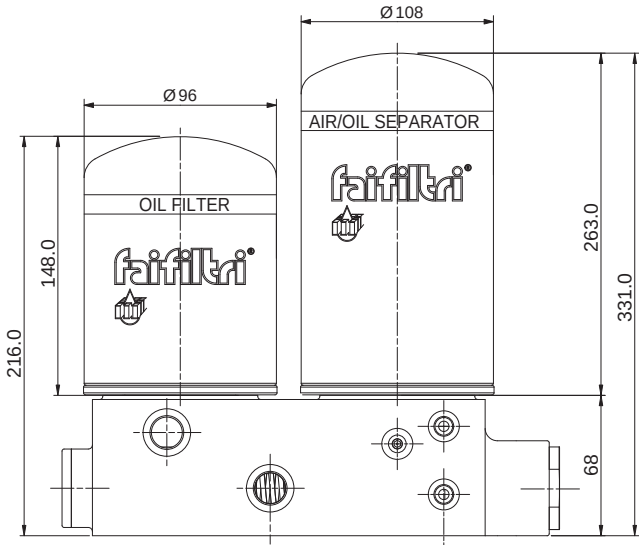
GSO 40 | ☐ | ☐ | ☐ | ☐ | ☐

Thermostat		Clogging indicator		Separator filter		Oil filter		Filtration type Oil filter	
55°C	A	S	Without	X	Without	X	Without	A	P10 – Paper 10µ
65°C	B	V	Visual diff. indicator	090	With DSP090.0	050	With CTT05033	B	P25 – Paper 25µ
71°C	C	E	Electric diff. indicator			070	With CTT07033	C	A10 – Microfiber 10µ
83°C	D							D	A16 – Microfiber 16µ
								E	A25 – Microfiber 25µ

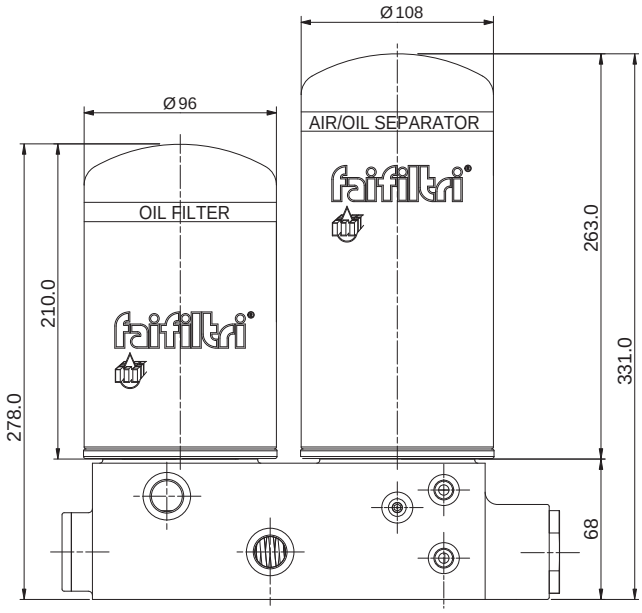
Clogging indicator:

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



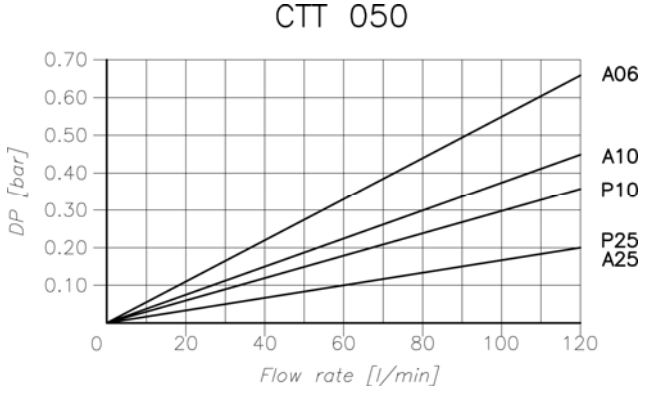
Dimensions integrated group equipped with CTT050 oil filter and DSP090.0 separator filter

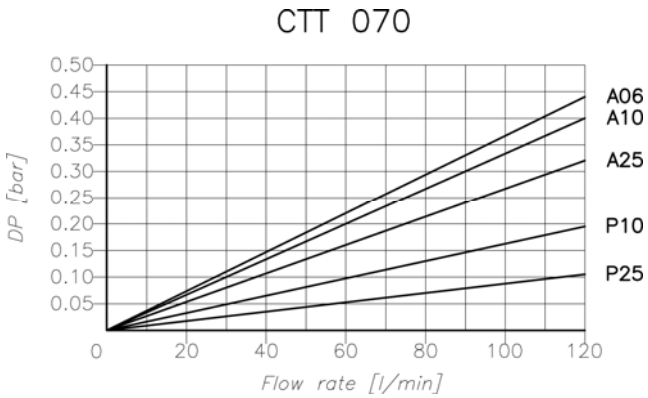


Dimensions integrated group equipped with CTT070 oil filter and DSP090.0 separator filter

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)

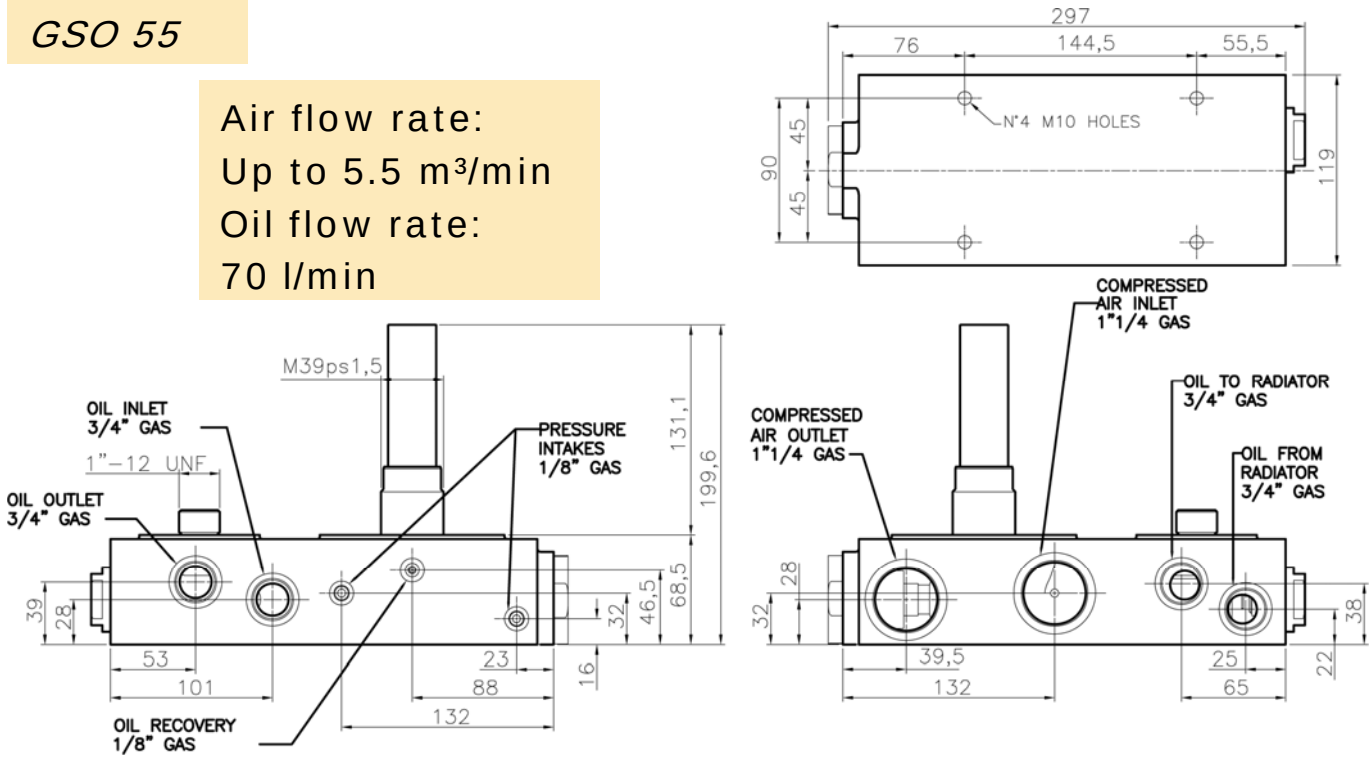




Air oil integrated group equipped with thermostat and minimum pressure valve

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

55°C	**A**
65°C	**B**
71°C	**C**
83°C	**D**

Clogging indicator

S	Without
V	Visual diff. indicator
E	Electric diff. indicator

Clogging indicator:

For oil group setting:
1.5 bar

Separator filter

X	Without
300	With DSP300.0
400	With DSP400.0

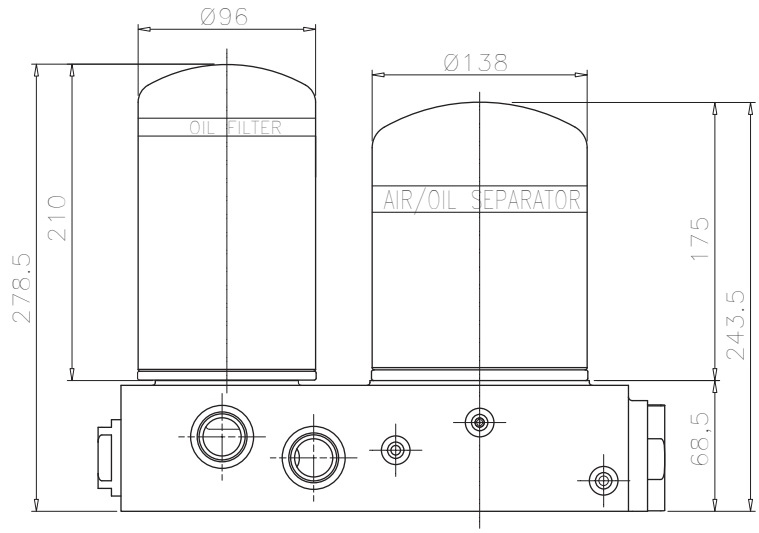
Oil er

X	Without
070	With CTT07033

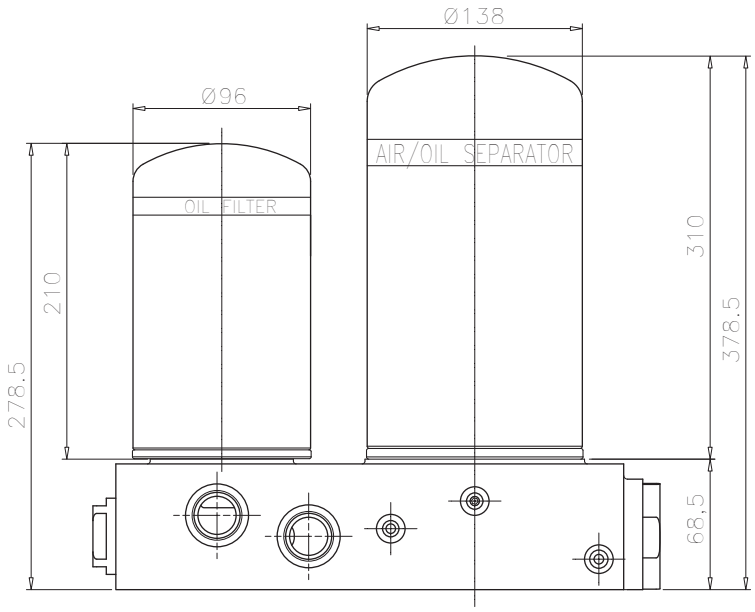
Filtration type Oil filter

A	P10 – Paper 10µ
B	P25 – Paper 25µ
C	A10 – Microfiber 10µ
D	A16 – Microfiber 16µ
E	A25 – Microfiber 25µ

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



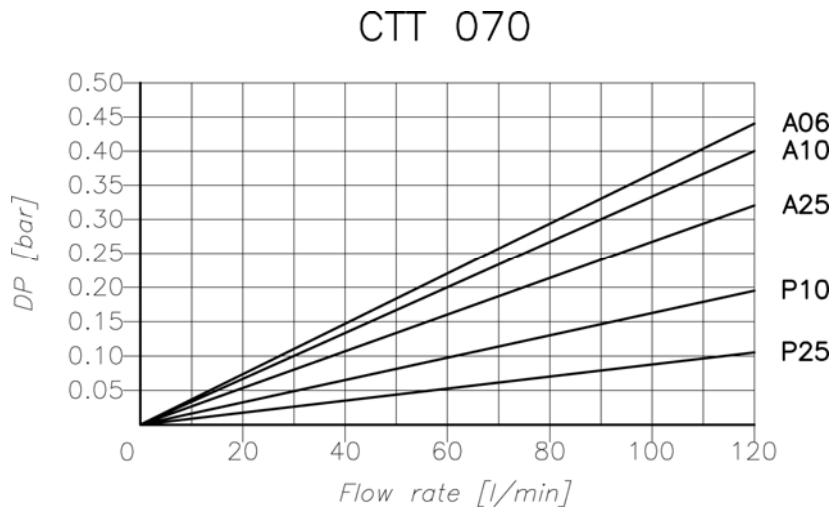
Dimensions integrated group equipped with CTT070 oil filter and DSP300.0 separator filter



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

Oil filter pressure drop

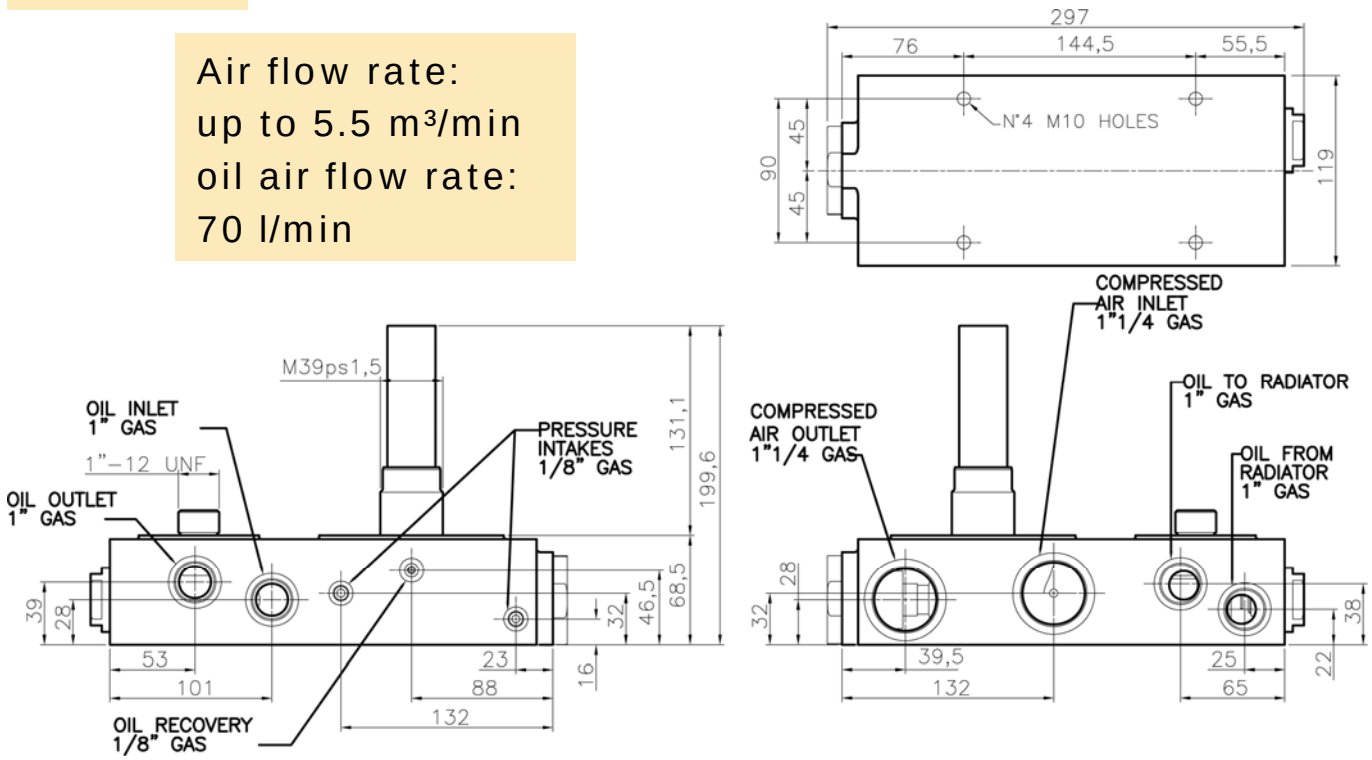
Curves are valid for mineral oil with viscosity up to 30 mm²/sec (cSt)
(For oil filter viscosity variations see page 5)



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

55°C	**A**
65°C	**B**
71°C	**C**
83°C	**D**

Clogging indicator

S	Without
V	Visual diff. indicator
E	Electric diff. indicator

Clogging indicator:

For oil group setting:
1.5 bar

Separator filter

X	Without
300	With DSP300.0
400	With DSP400.0

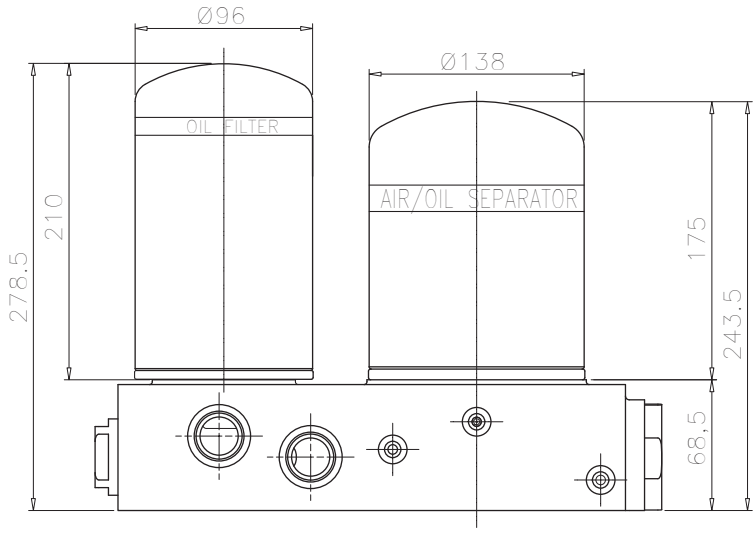
Oil filter

X	Without
070	With CTT07033

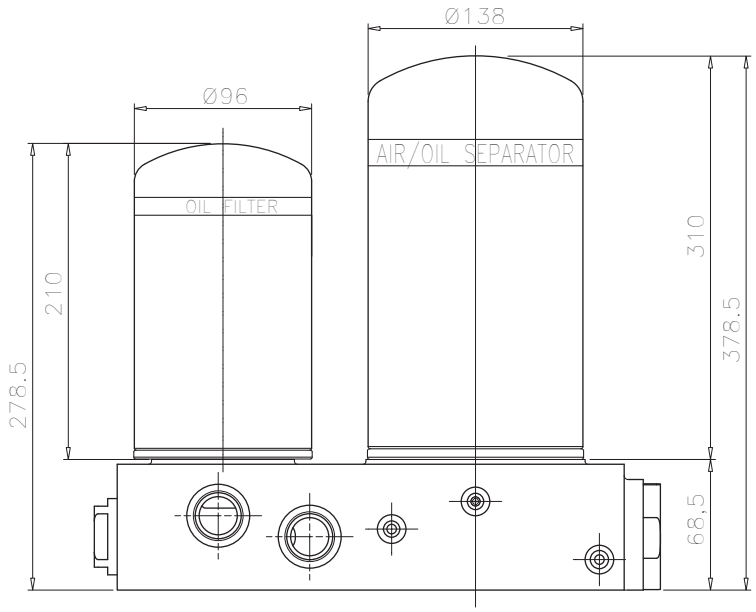
Filtration type Oil filter

A	P10 – Paper 10µ
B	P25 – Paper 25µ
C	A10 – Microfiber 10µ
D	A16 – Microfiber 16µ
E	A25 – Microfiber 25µ

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



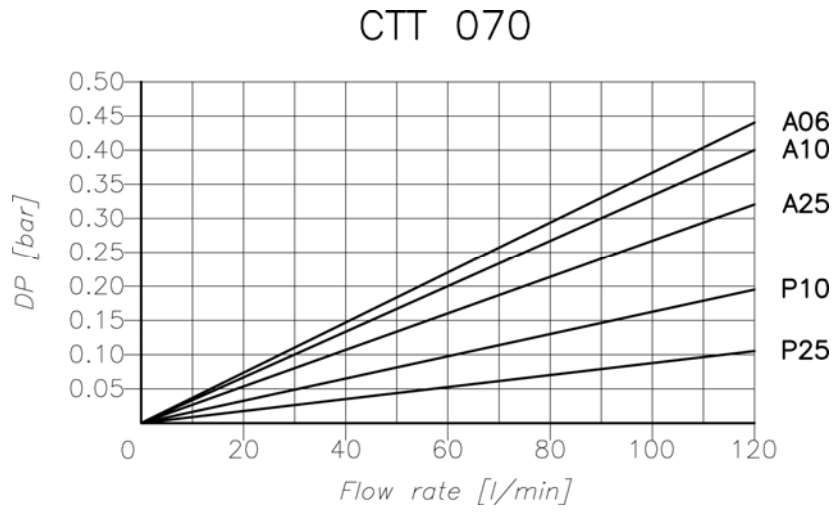
Dimensions integrated group equipped with CTT070 oil filter and DSP300.0 separator filter



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

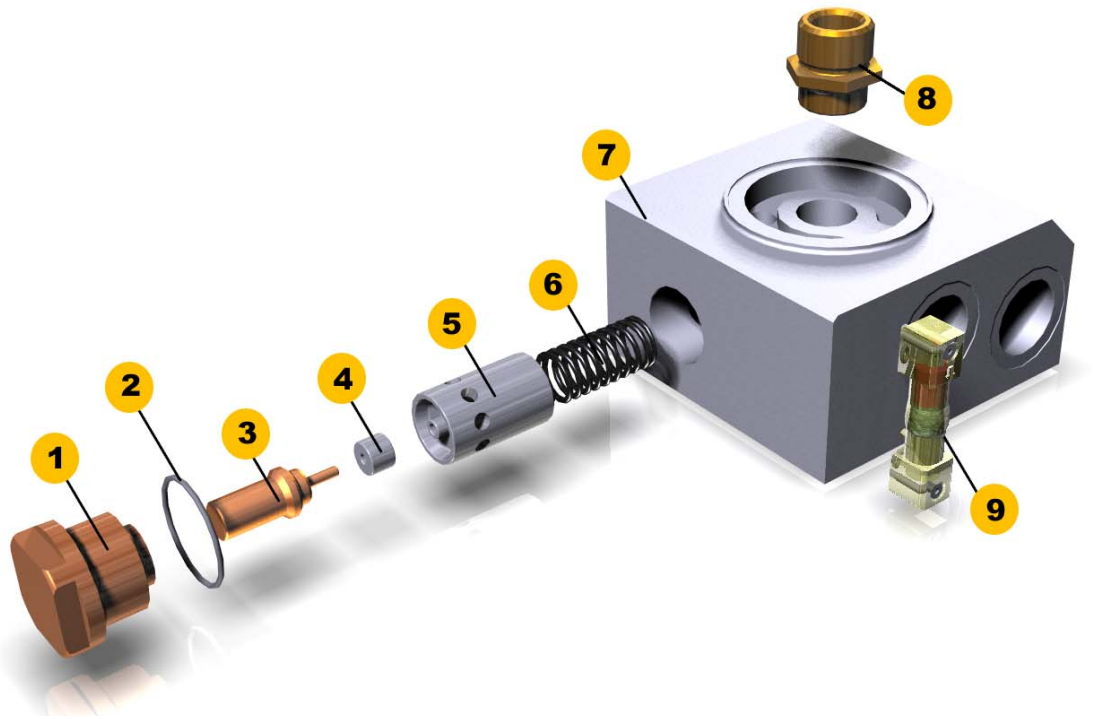
Oil filter pressure drop

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



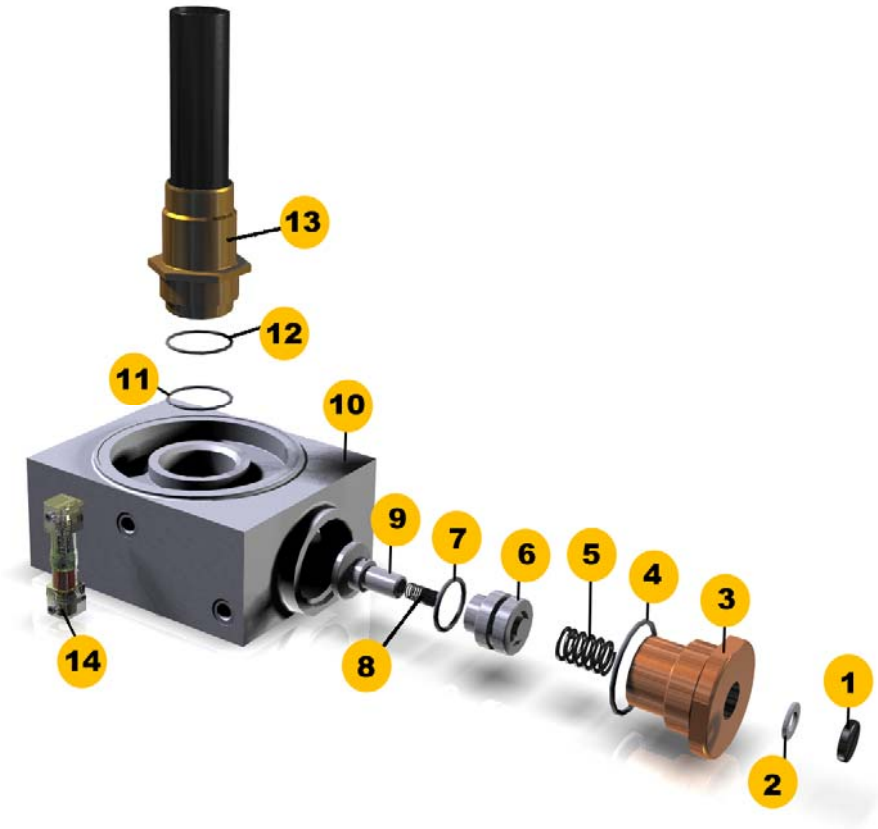
Oil group spare parts

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



Air oil separator group spare parts

1	M20x1 ring nut for Minimum pressure valve GS10-GS-15-GS20valve 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 3175O-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	2093O-Ring seal for GS10-GS15-GS20 group 3100O-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 2131O-Ring for GS55 group	***032.1.8086*** ***032.1.8101***
12	2087O-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