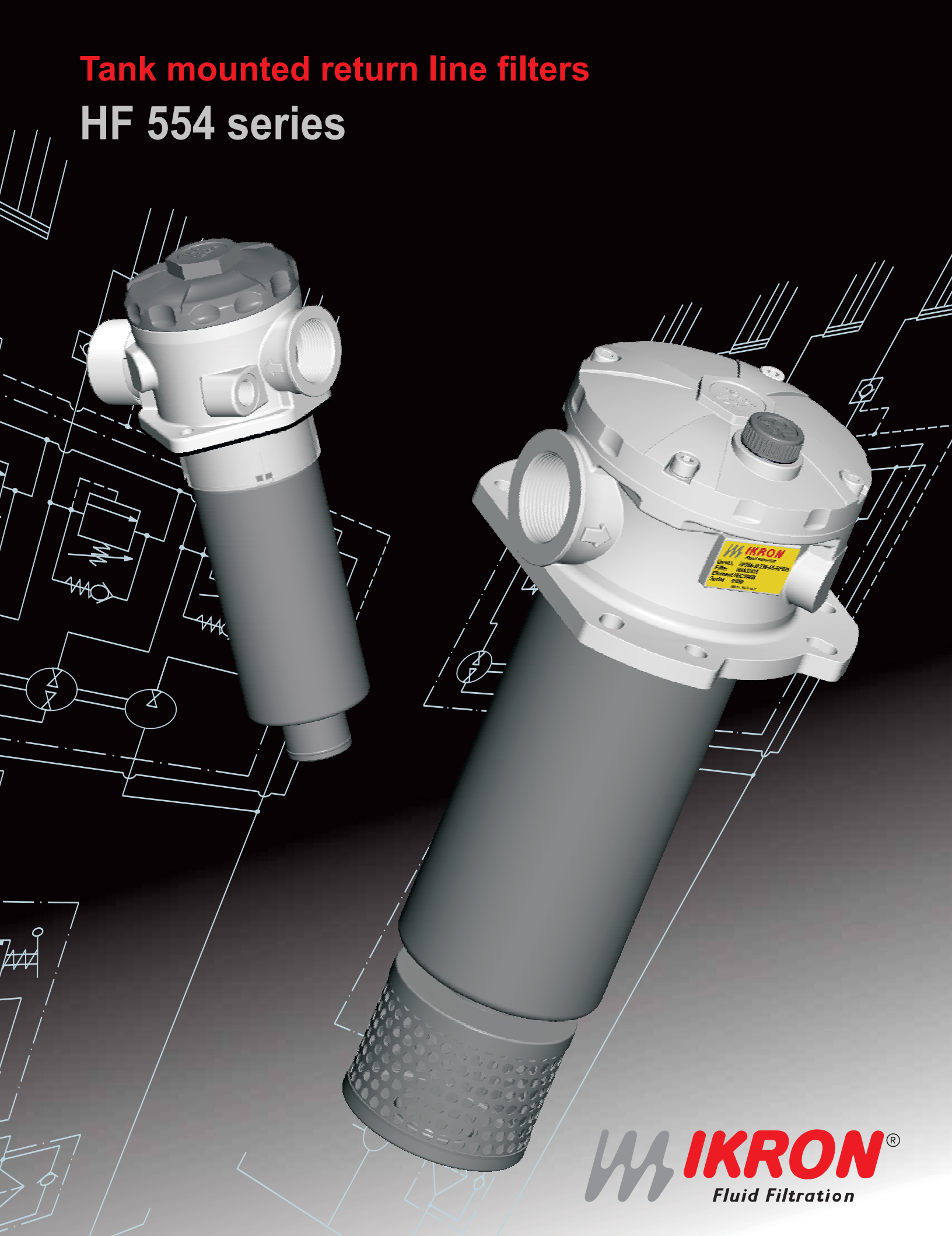
Tank mounted return line filters

HF 554 series



IKRON®
Fluid Filtration

THE IMPORTANCE OF AN EFFICIENT FILTRATION

The main cause of anomalies in hydraulic systems has to be attributed to the presence of contaminants in the fluid.
The nature of the contaminant may be: gaseous, namely air mixed with the fluid; fluid, it depends on water penetrating the fluid; solid, therefore particles of various origins and dimensions.
Customers who operate equipments are always focused on obtaining the best possible performance, lower energy consumptions and greater respect for the environment.
These characteristics can be attained by using top quality components in the hydraulic system for generating and regulating the fluid power, which are also more sensitive to the presence of contaminants in the fluid.
Starting from these requirements, we understand how important and fundamental it is to prevent the presence of air and water from mixing in the fluid tank by using dedicated solutions.
It is also crucial to limit the presence of solid particles in the hydraulic circuit through a suitable filtering system, which is indispensable to maintain the project requirements of the system over time and to keep running costs low.
The correct choice of a filter and its optimum position in the hydraulic system requires the same care and experience needed to choose all the other components.
The use of filters with larger filtering surfaces reduces, at equal flow rates, the superficial contaminant load and therefore the filter's life is extended proportionally.
To maintain the maximum efficiency of the system, the filters must have a clogging indicator showing the differential pressure on the filtering cartridge and to immediately point out when the cartridge needs replacing in order to prevent the by-pass valve from opening.

The following factors should be analysed when choosing the ideal filter:

- The filtration degree required to protect the most sensitive component from contamination
- The points of the circuit in which the filters have to be installed
- The working pressure of the system
- The maximum flow rate and the type of fluid to be filtered
- The duty cycle
- The retention efficiency of the filtering cartridge
- The contaminant accumulation capacity of the filtering cartridge
- The working ambient temperature

Each filter used generates a pressure drop that increases continuously as time goes by. This pressure drop represents an efficiency index of the filter itself.
When the hydraulic system is about to be assembled, all the components must be perfectly clean and the fluid has to be added through a device complete with a filter.
During the test phase, it is advisable to run some work cycles at low pressure in order to create the best possible conditions for all the components.

TECHNICAL CHARACTERISTICS

The tank mounted filters HF 554 series are specifically designed to be directly connected on the return line of hydraulic circuit to safeguard it from contaminating particles.

- Working pressure 116 psi (8 bar)
- Extension on the oil way out of the pipe union
- Fluid-decelerating diffuser
- Level dipstick

MATERIALS

Cover	Aluminum
	Reinforced nylon
Housing	Anodized aluminum(series 10 and 20)
	Aluminum (series 30 and 40)
Bowl (1)	Reinforced nylon
	Steel
Seals	Buna - Viton
End cap	Zinc plated steel
Inner tube	Zinc plated steel
Filter media	Steel
	Stainless steel
	Cellulose
	Reinforced cellulose
	Micro-fibre glass

(1) The filters of dimensions 10.060, 10.129, 20.077, 20.122, 20.201, 20.280 and 30.195 are supplied with a nylon-reinforced bowl. Varnished steel bowl is available on request.

The filters of dimensions 30.239, 40.122, 40.194, 40.195, 40.239, 40.390 and 40.512 are only supplied with a varnished steel bowl.

FLUID COMPATIBILITY
Conforming to ISO 2943 (Norm ISO 6743/4)

Oli mineral (2)	HH - HL - HM - HR - HV - HG
Water emulsion (2)	HFAE - HFAS
Water glycol (2)(4)	HFC
Syntetic fluid (3)	HS - HFDR - HFDU - HFDS

(2) With Buna seals

(3) With Viton seals

(4) Body anodization required

FLOW

Flow max.	166 US gpm (630 l/min)

PRESSURE

Working pressure	116 psi (8 bar)
Testing pressure	174 psi (12 bar)
Burst pressure	232 psi (16 bar)
Element collapse pressure rating (conforming to ISO 2941)	145 psi (10 bar)

BY-PASS VALVE

By-pass setting	25 psi (1,7 bar)

OPERATING TEMPERATURE

With Buna seals	-22 ÷ 195 °F (-30 ÷ 90 °C)
With Viton seals	-4 ÷ 230 °F (-20 ÷ 110 °C)

DEGREE OF FILTRATION

Absolute Filtration

Code	*Material*	*Degree of filtration*
FG003	Micro-fibre glass	3 µm
FG006	Micro-fibre glass	6 µm
FG010	Micro-fibre glass	10 µm
FG025	Micro-fibre glass	25 µm

Nominal Filtration

Code	*Material*	*Degree of filtration*
SP010	Cellulose	10 µm
RP010	Reinforced cellulose	10 µm
SP025	Cellulose	25 µm
RP025	Reinforced cellulose	25 µm
MI025	Stainless steel	25 µm
MI060	Stainless steel	60 µm
MS090	Steel	90 µm
MI125	Stainless steel	125 µm

INDICATORS (5)

Rear manometer
Radial manometer
Visual indicator
Electrical indicator

(5) Characteristics and dimensions at page 25

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SIZING – PRESSURE DROP

The total pressure drop of the filter is calculated by summing the pressure drop value in the housing to the one in the filtering element.

Total Δp = Δp in housing + Δp in element

In filters of HF 554 series in normal working conditions, the total Δp must not be more than 5.8 psi (0,4 bar).
To establish the values of pressure drop involved, the following pages provide some diagrams with curves referred to the use of mineral oils SAE 10 with kinematic viscosity of 120 SSU (30 cSt) and density of 7.29 lb/gal (0,856 kg/dm^3).

Calculation example

Filter HF 554-20.122-AS-FG003-B17-GF-B-S-Z-XN-G-YN-O-K
Flow rate= 13 US gpm (50 l/min)
Kinematic viscosity: 120 SSU (30 cSt)
Oil density : 7.29 lb/gal (0,856 kg/dm^3)
Filtering degree: 3 μm

Data obtained from the diagrams:
Δp in housing = 1.01 psi (0,07 bar) (page 4)
Δp in element = 4.64 psi (0,32 bar) (page 9)
Total Δp = 1.01 + 4.64 = 5.65 psi (0,39 bar) (Δp is lower than maximum value admitted – therefore sizing is correct).

If oil with different kinematic viscosity and different density is used, the values obtained from the diagrams will be re-calculated considering the following indications:

1) The pressure drop of the housing is proportional with the oil density, therefore for oil with density different to 7.29 lb/gal (0,856 kg/dm^3) the value of the Δp in the head-bowl will be:

$$\Delta p \text{ in housing} = \frac{\Delta p \text{ of diagram (psi)} \cdot \text{Oil density (lb/gal)}}{7.29 \text{ (lb/gal)}} \quad \text{[psi]}$$

Or

$$\Delta p \text{ in housing} = \frac{\Delta p \text{ of diagram (bar)} \cdot \text{Oil density (kg/dm}^3\text{)}}{0{,}856 \text{ (kg/dm}^3\text{)}} \quad \text{[bar]}$$

2) The pressure drop of the element is proportional with the oil density and kinematic viscosity, therefore for oil with density different to 7.29 lb/gal (0,856 kg/dm^3) and kinematic viscosity different to 120 SSU (30 cSt) the value of Δp in the element will be:

$$\Delta p \text{ element} = \Delta p \text{ of diagram (psi)} \cdot \frac{\text{Oil density (lb/gal)}}{7.29 \text{ (lb/gal)}} \cdot \frac{\text{Oil viscosity (SSU)}}{120 \text{ (SSU)}} \quad \text{[psi]}$$

Or

$$\Delta p \text{ element} = \Delta p \text{ of diagram (bar)} \cdot \frac{\text{Oil density (kg/dm}^3\text{)}}{0{,}856 \text{ (kg/dm}^3\text{)}} \cdot \frac{\text{Oil viscosity (cSt)}}{30 \text{ (cSt)}} \quad \text{[bar]}$$

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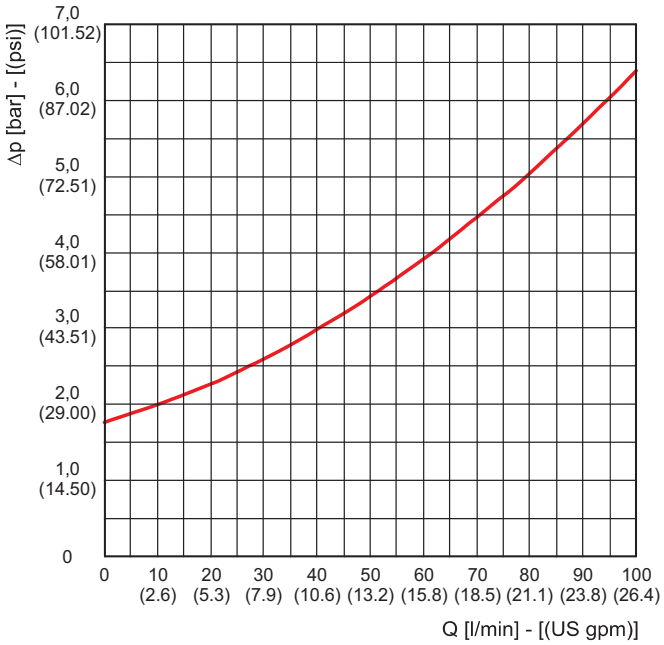
Now you sum the values of the pressure drop of the housing to the value of the pressure drop of the filtering element, always making sure the total Δp does not exceed the pressure limit of 5.8 psi (0,4 bar).

PRESSURE DROP CURVES THROUGH THE BY-PASS VALVES

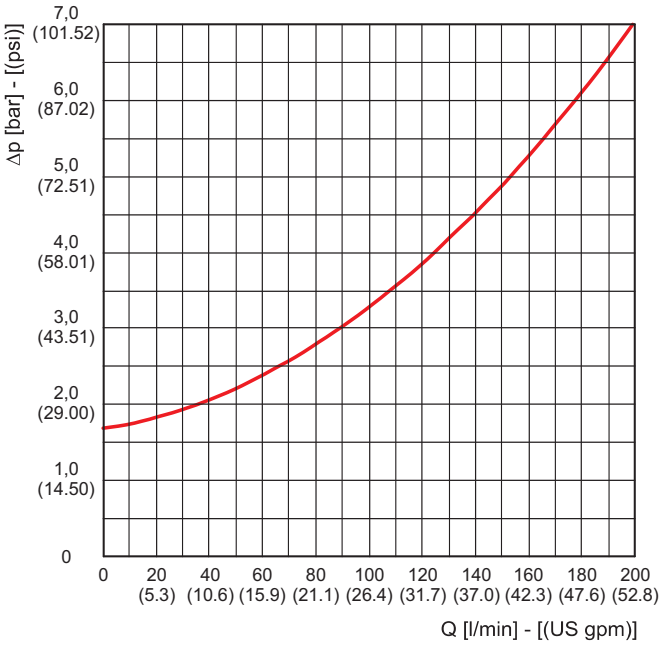
The pressure drop values are directly proportional with the specific weight of the fluid and do not affect the establishment of the total pressure drop of the complete filter.

The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

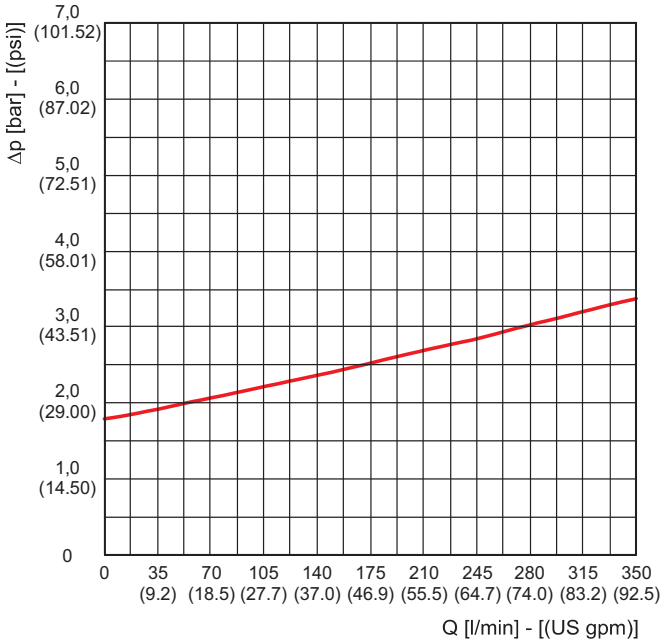
HF 554-10



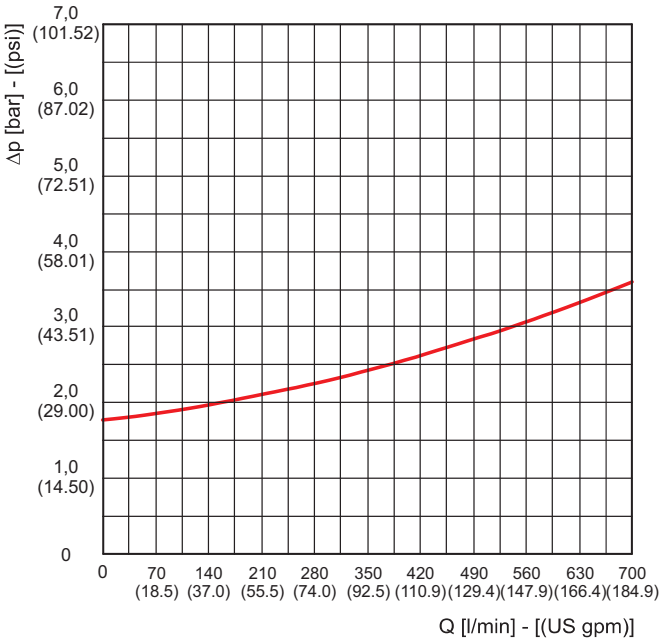
HF 554-20



HF 554-30



HF 554-40



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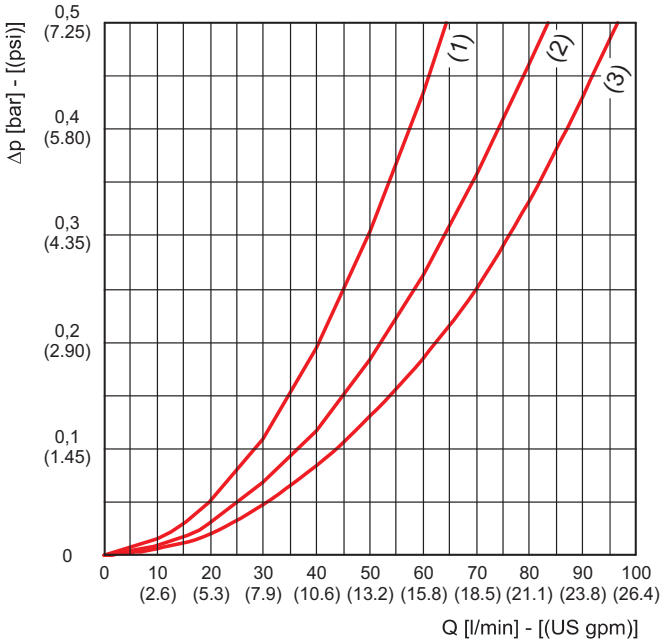
PRESSURE DROP CURVES THROUGH THE HOUSING

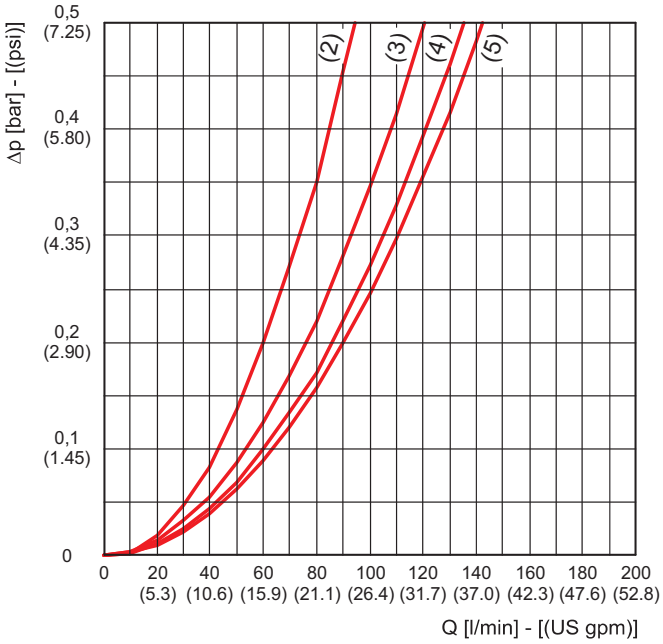
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) G 3/8
(2) G 1/2
(3) G 3/4
(4) G 1
(5) G 1 1/4

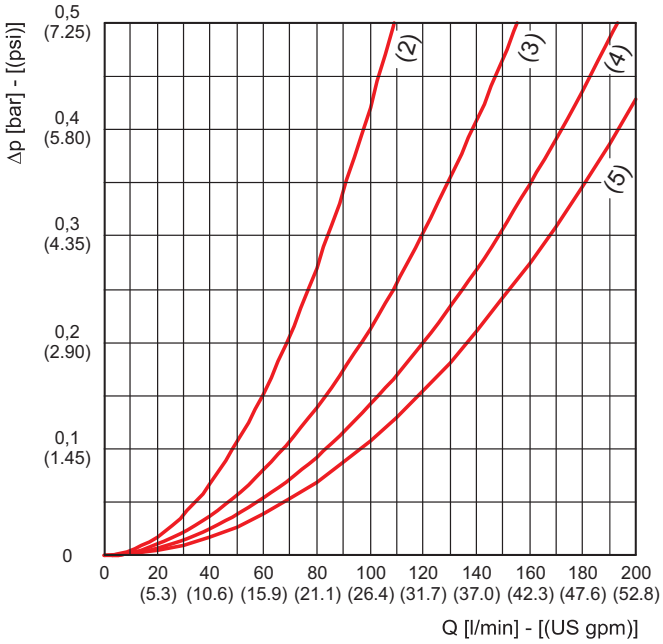
HF 554-10.060 / 10.129



HF 554-20.077 / 20.122



HF 554-20.201 / 20.280



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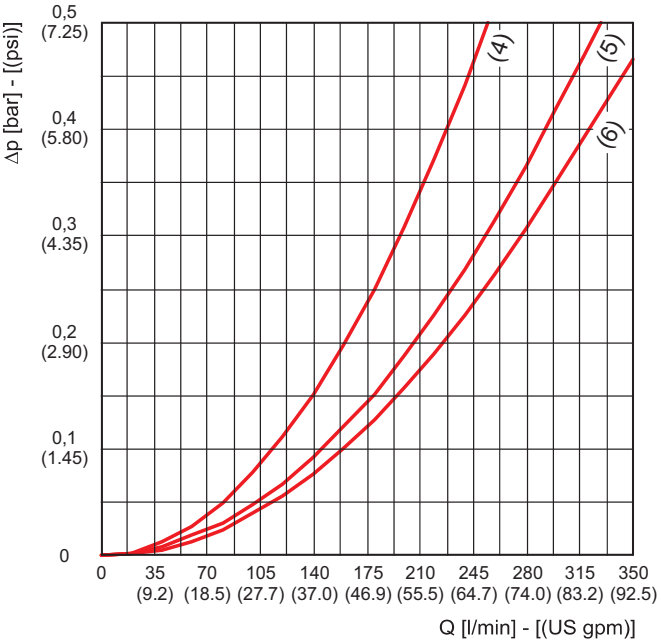
PRESSURE DROP CURVES THROUGH THE HOUSING

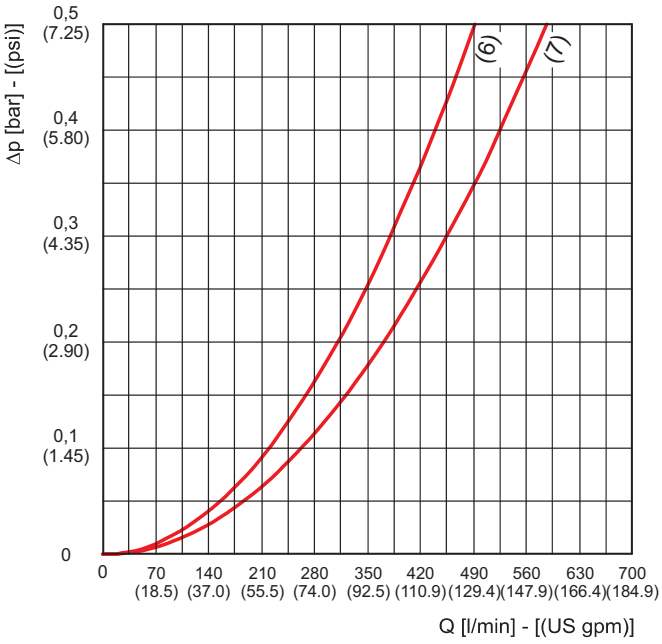
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(4) G 1
(5) G 1 1/4
(6) G 1 1/2
(7) G 2

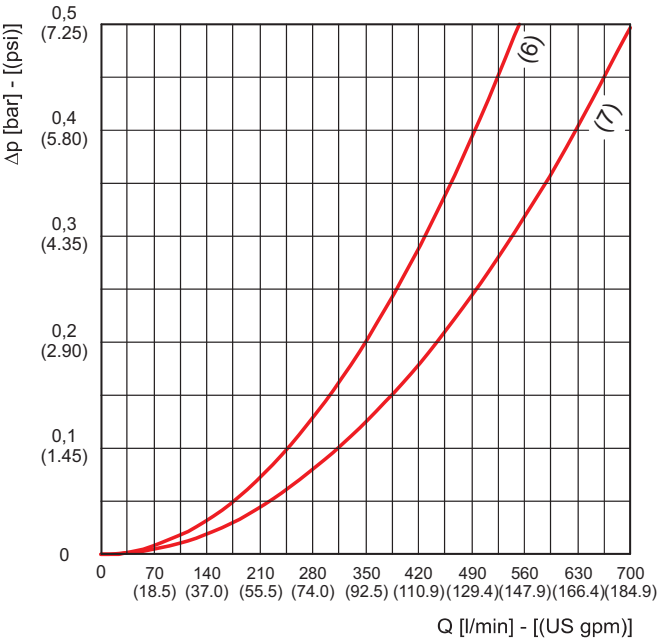
HF 554-30.195 / 30.239



HF 554-40.122 / 40.194



HF 554-40.195 / 40.239 / 40.390 / 40.512



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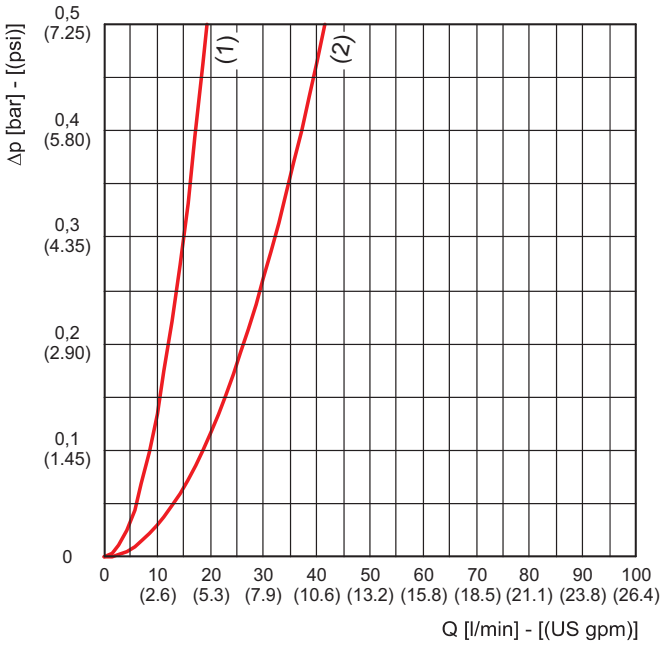
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-10

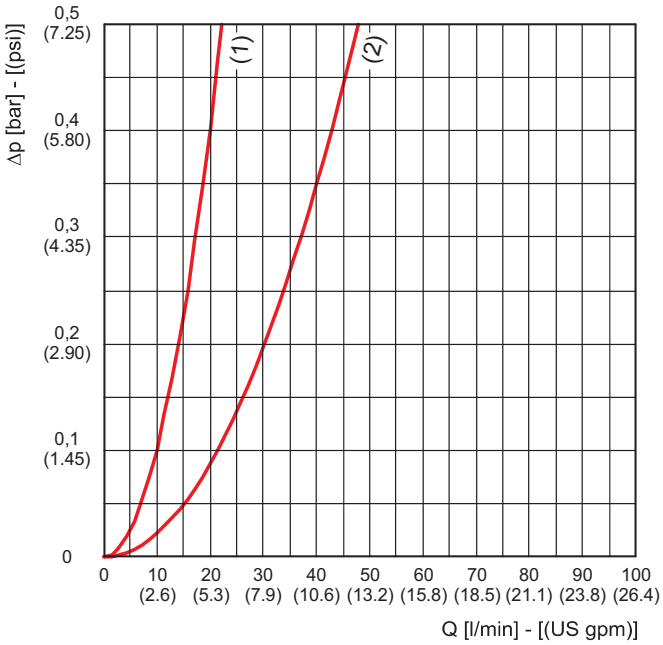
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-10.060
(2) HE K02-10.129

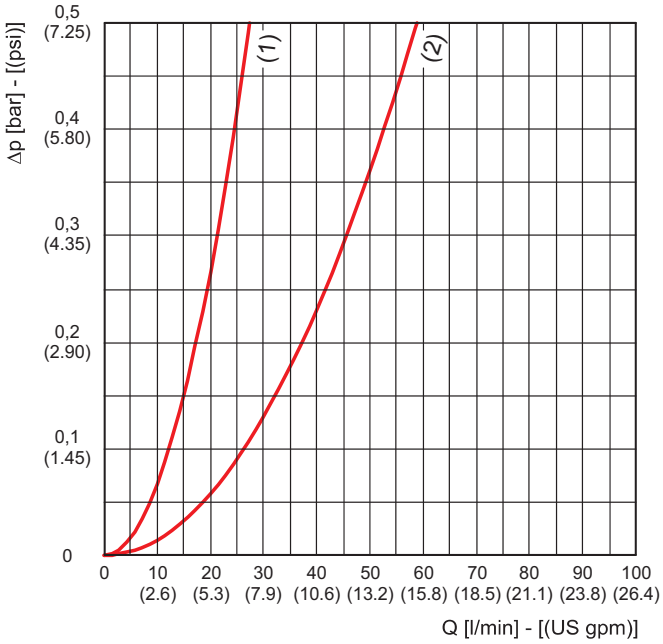
FG003



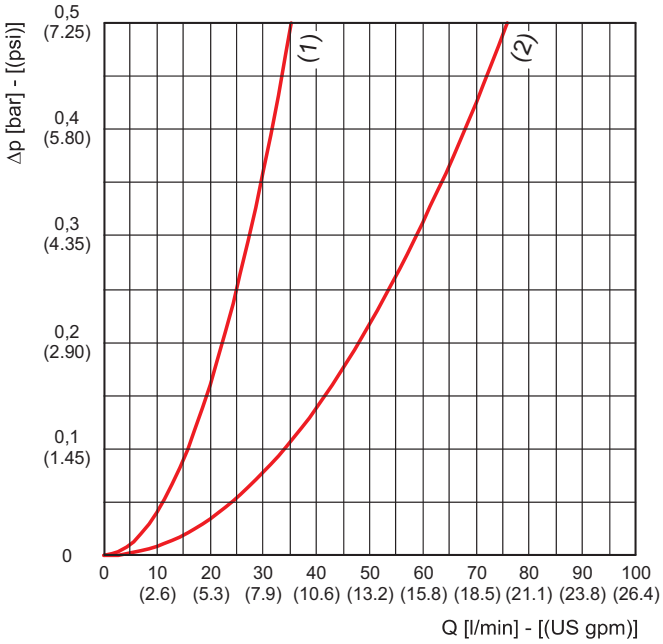
FG006



FG010



FG025



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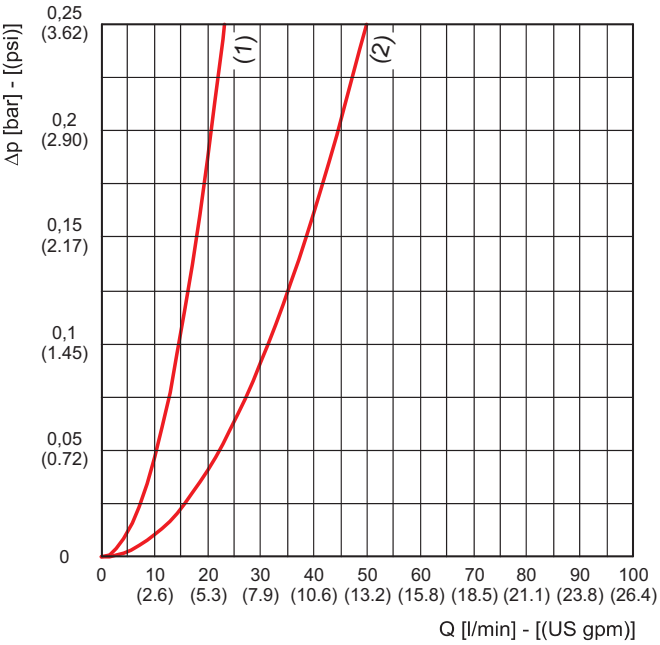
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-10

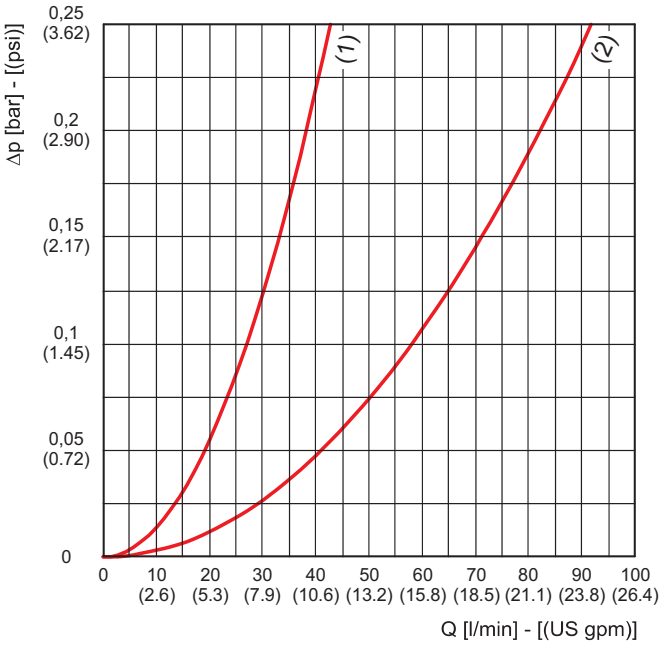
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-10.060
(2) HE K02-10.129

RP010 / SP010



RP025 / SP025



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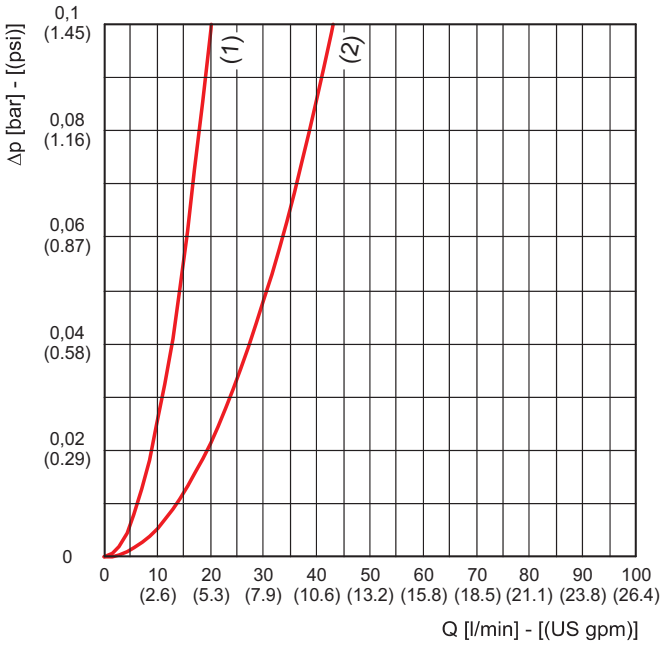
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-10

The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-10.060
(2) HE K02-10.129

MI025



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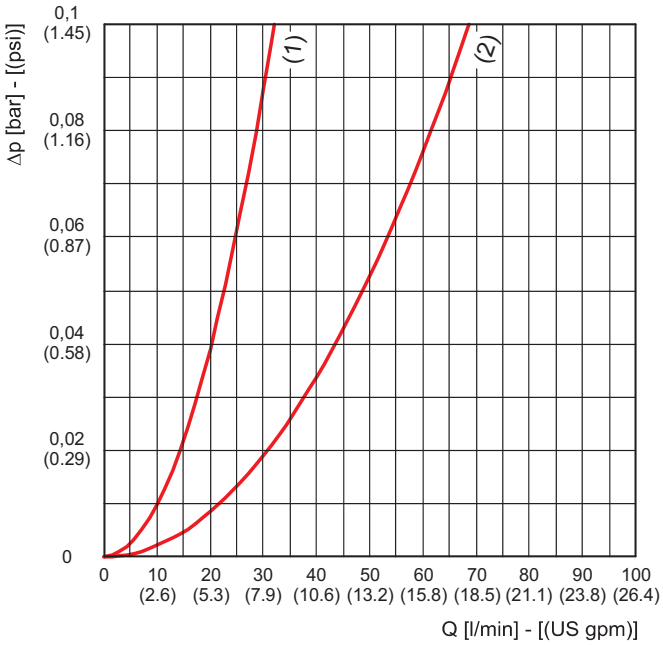
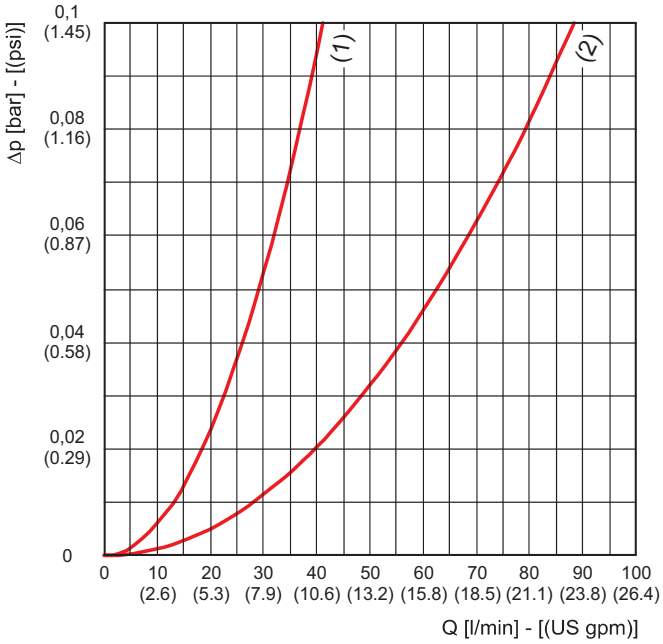
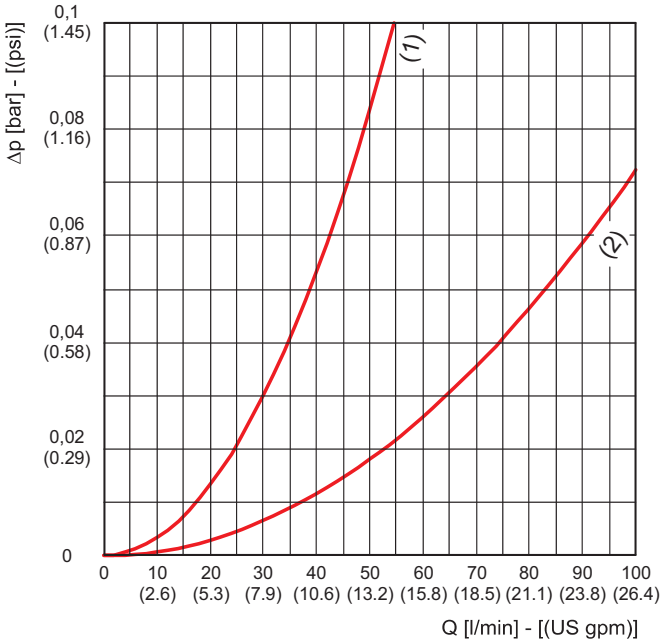


MS090



MI125



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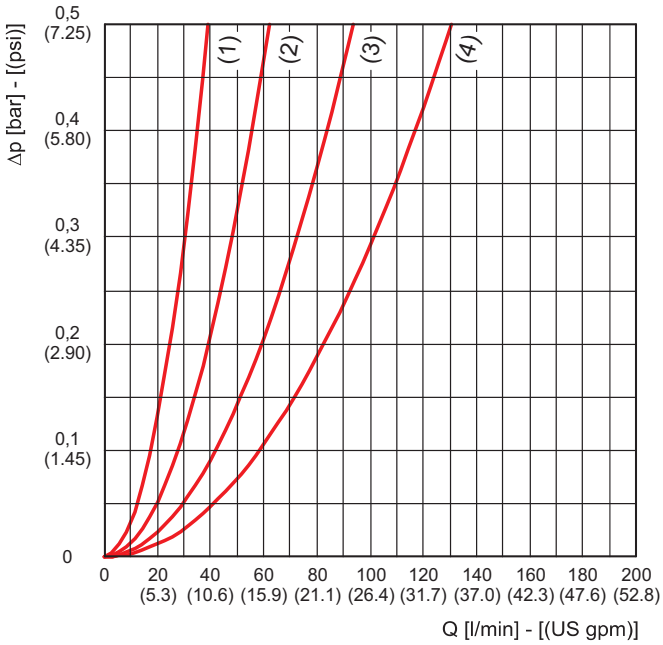
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-20

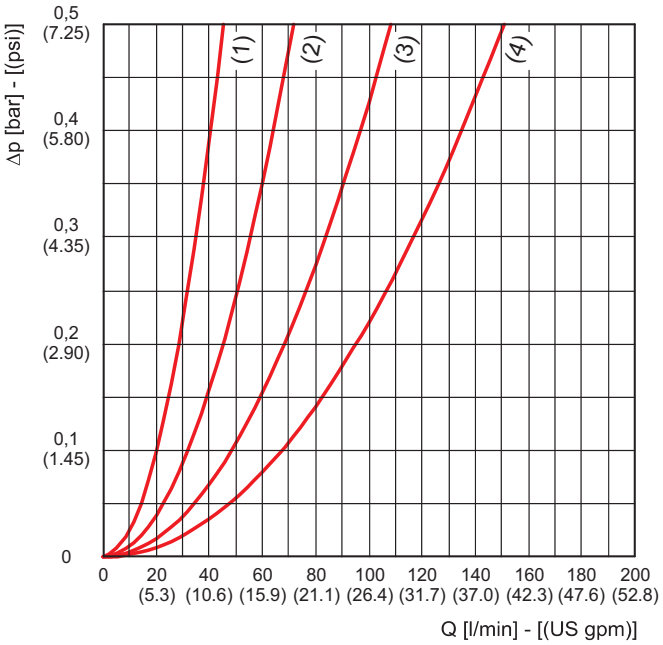
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-20.077
(2) HE K02-20.122
(3) HE K02-20.201
(4) HE K02-20.280

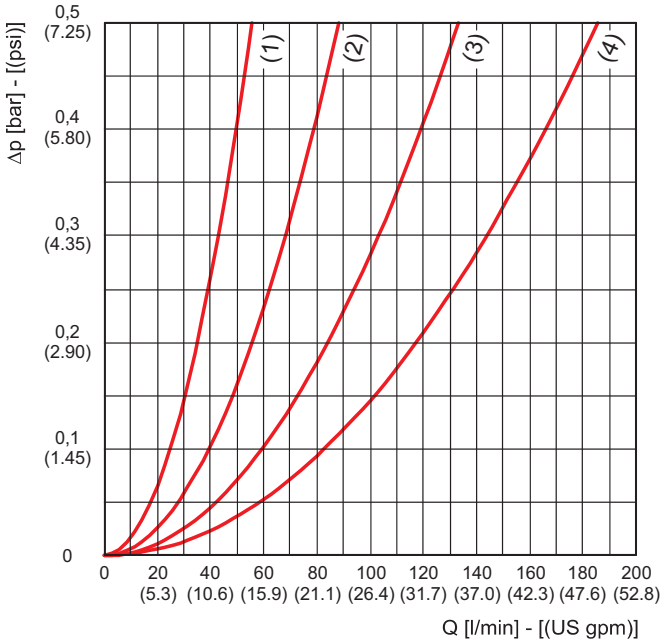
FG003



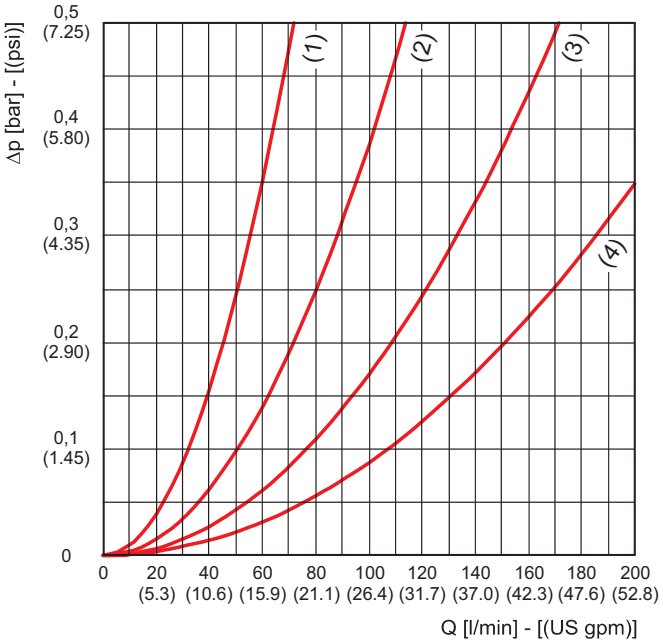
FG006



FG010



FG025



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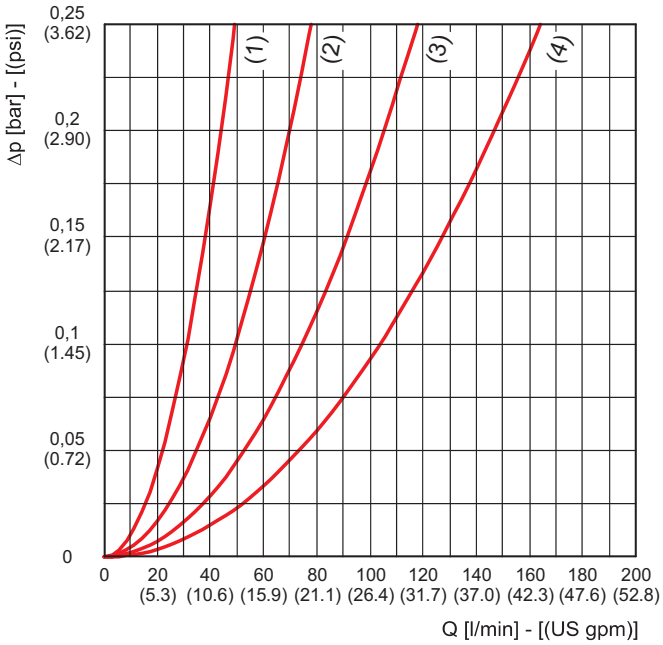
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-20

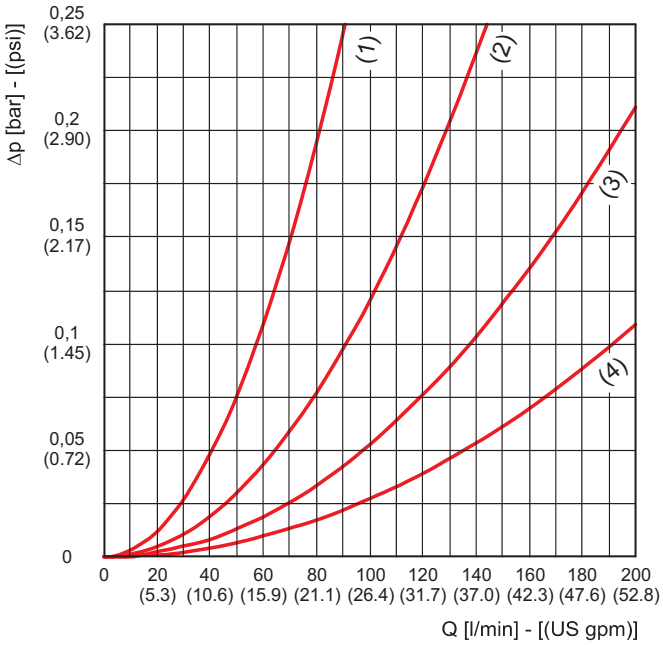
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-20.077
(2) HE K02-20.122
(3) HE K02-20.201
(4) HE K02-20.280

RP010 / SP010



RP025 / SP025



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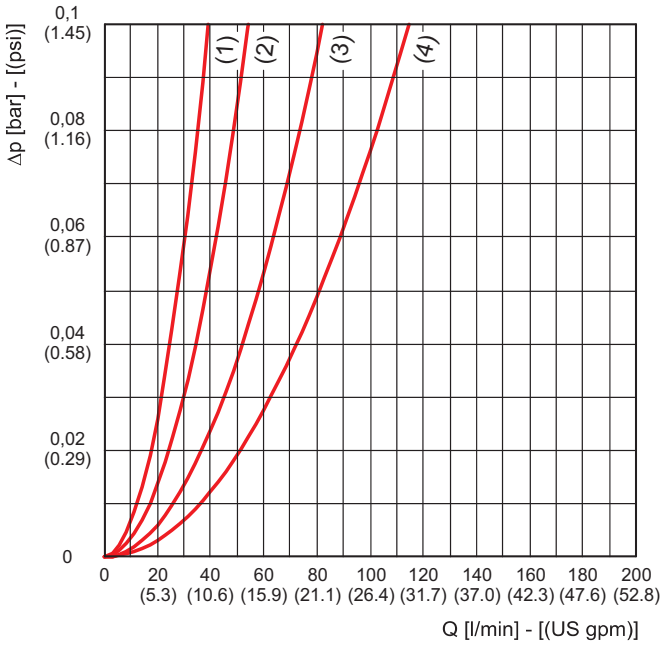
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-20

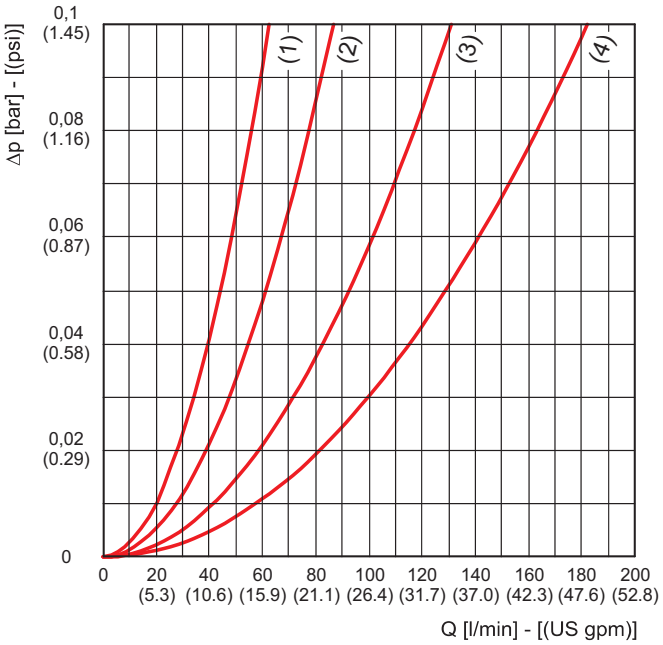
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-20.077
(2) HE K02-20.122
(3) HE K02-20.201
(4) HE K02-20.280

MI025



MI060



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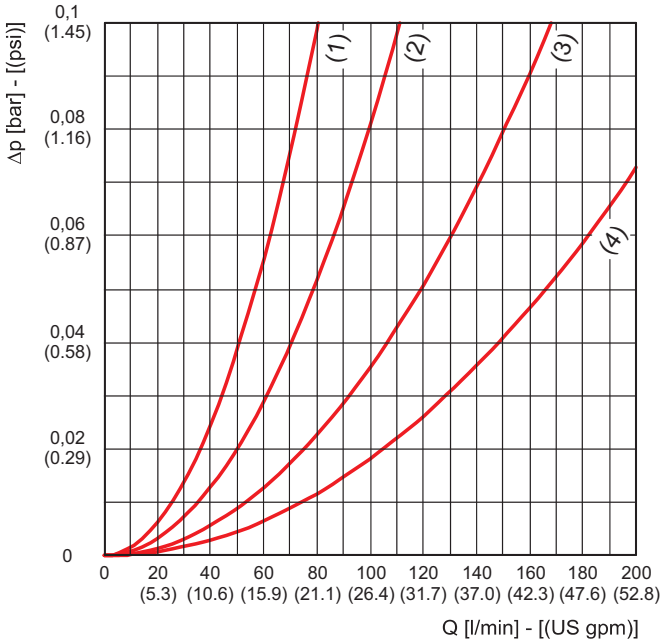

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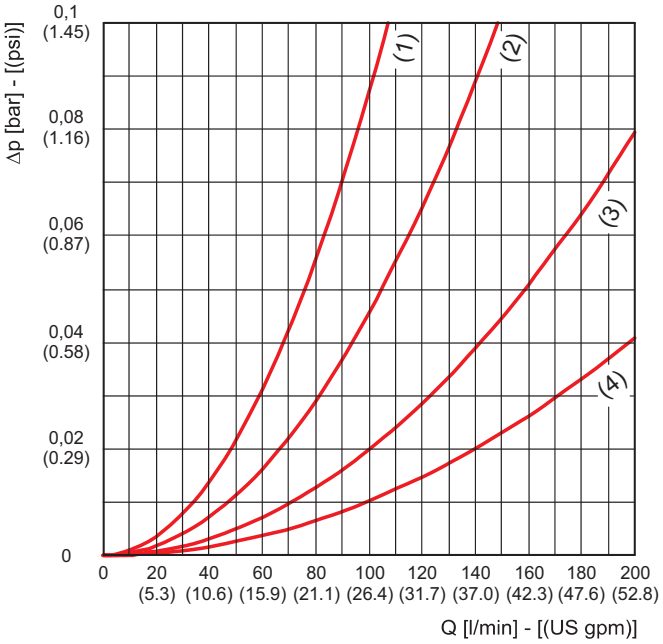

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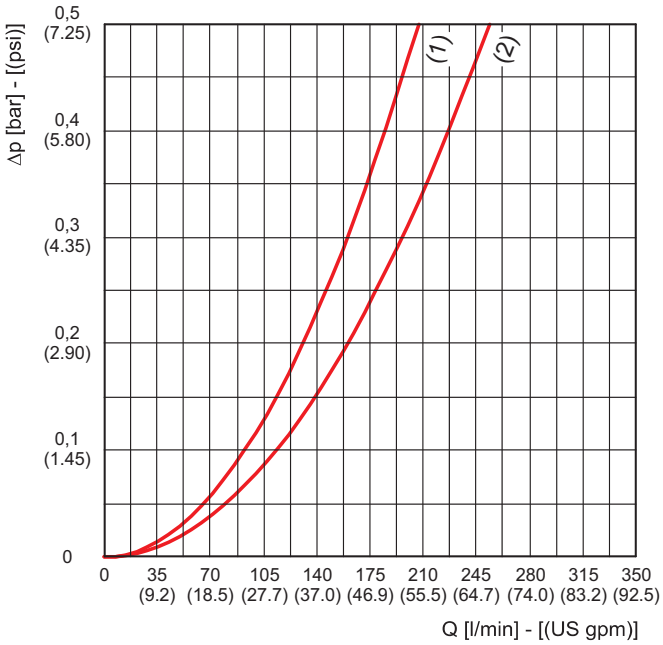
PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-30

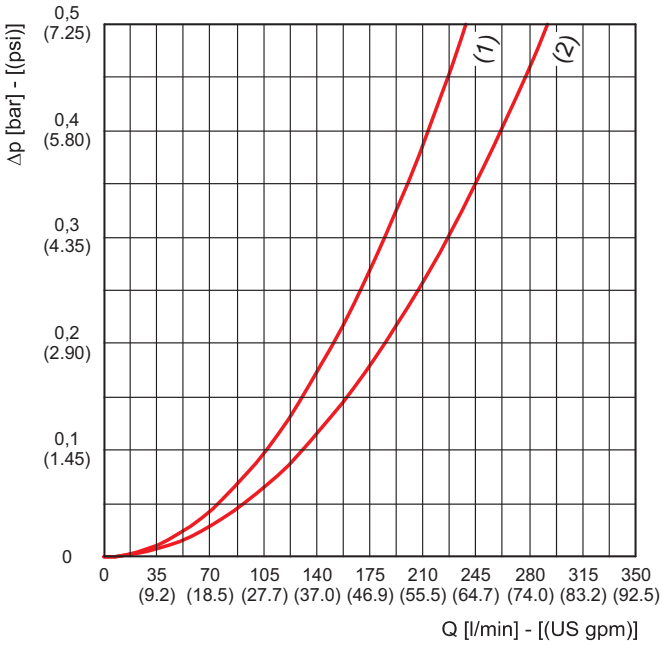
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-30.195
(2) HE K02-30.239

FG003



FG006



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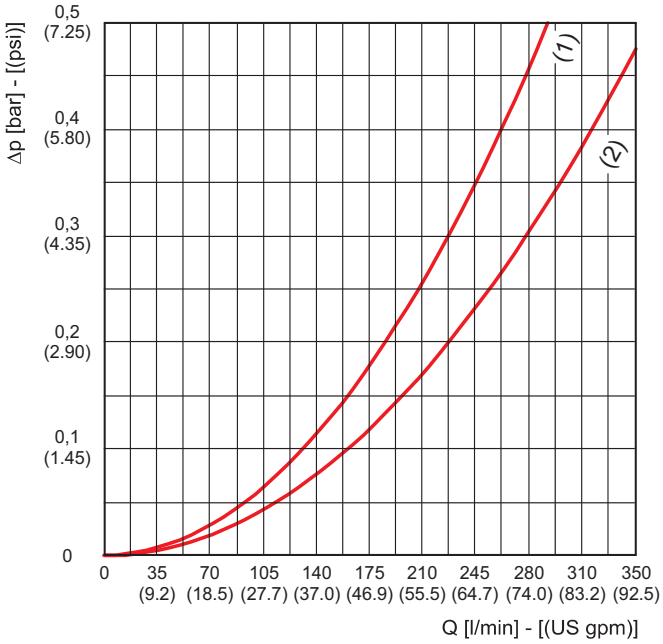
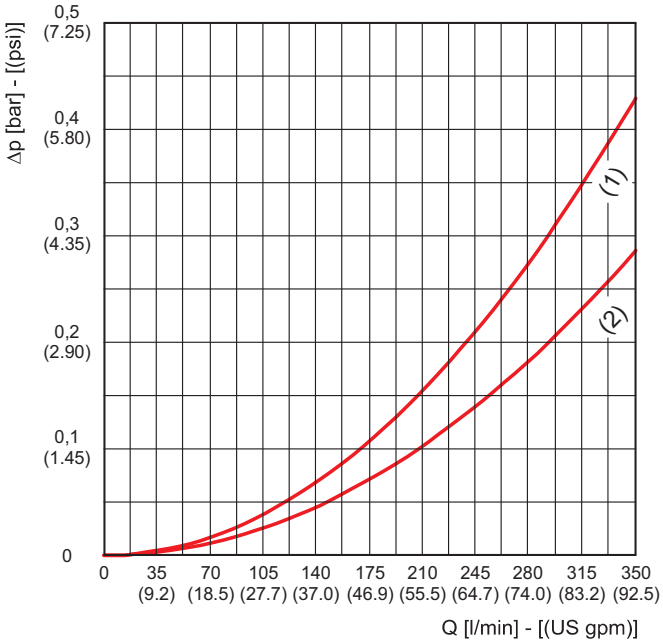


FG025



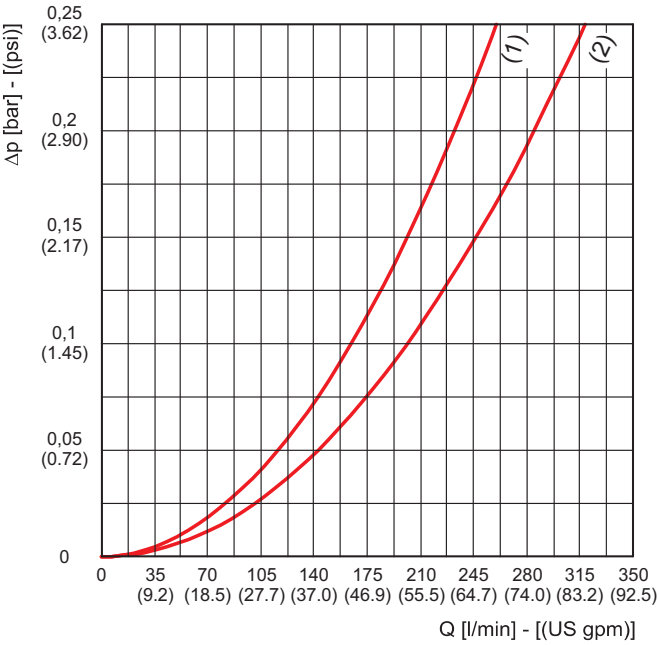
08/11.2024

PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-30

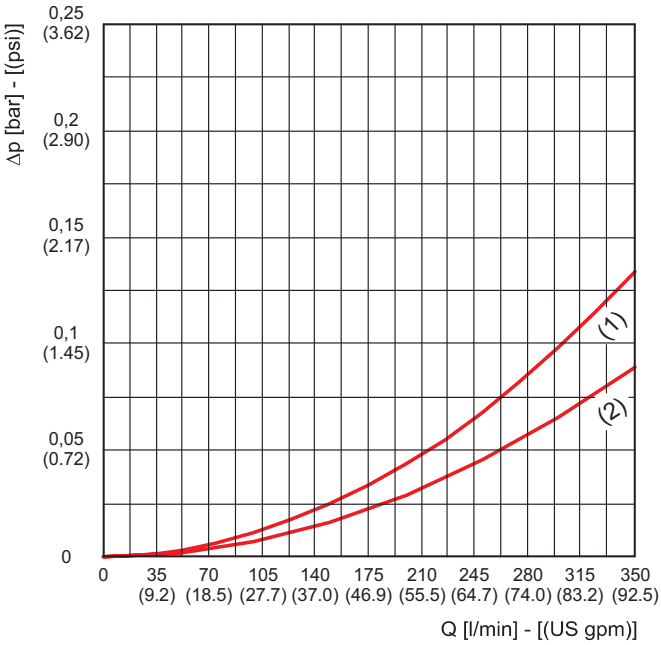
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-30.195
(2) HE K02-30.239

RP010



RP025



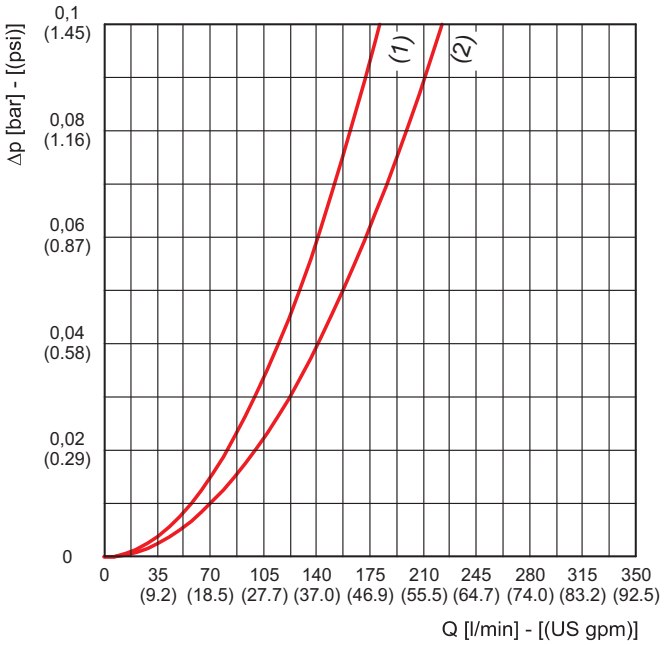
08/11.2024

PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-30

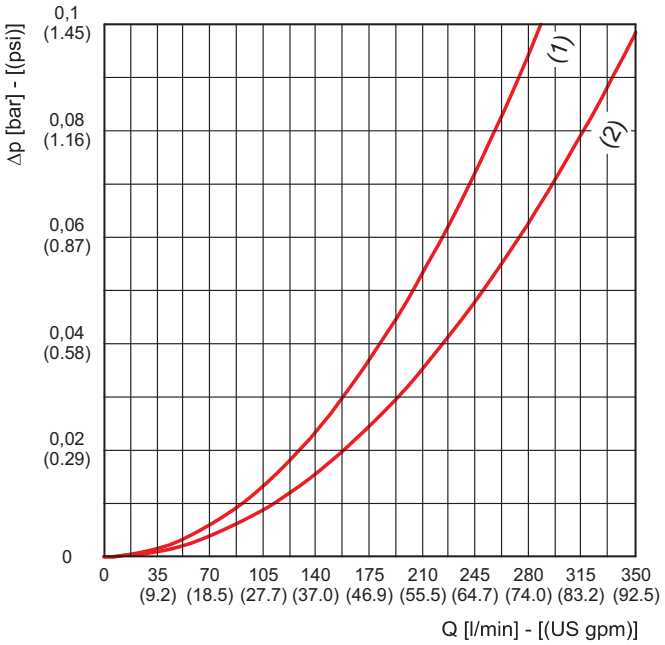
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-30.195
(2) HE K02-30.239

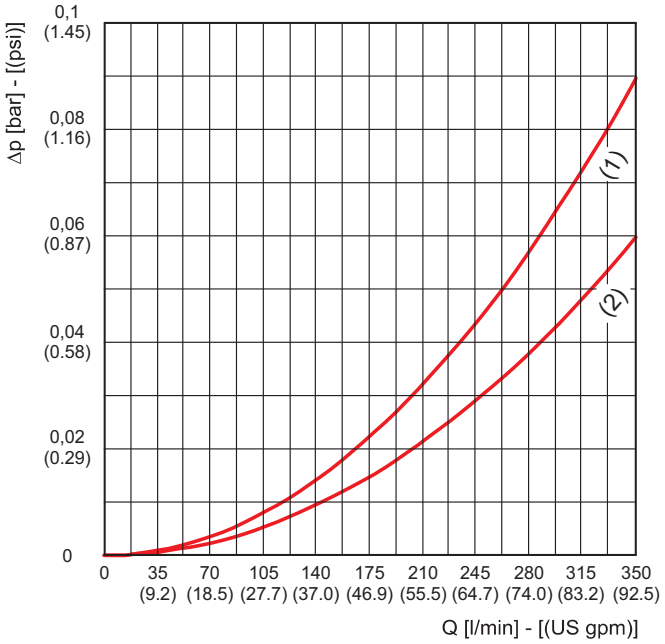
MI025



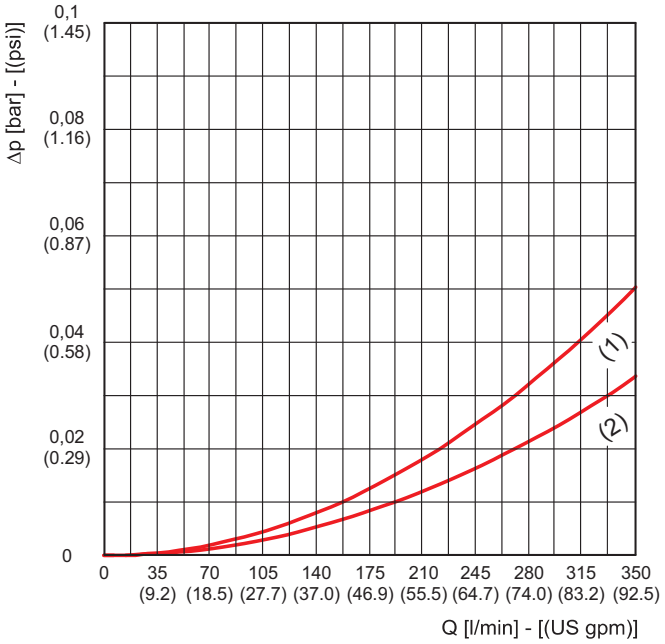
MI060



MS090



MI125



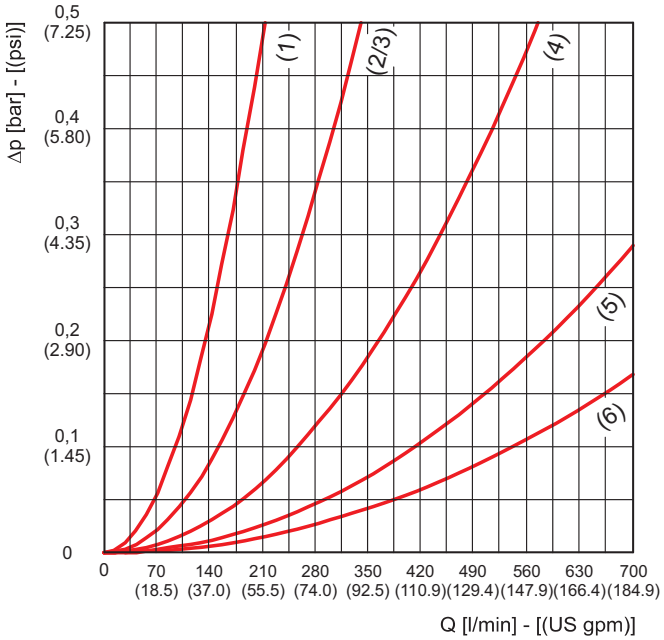
08/11.2024

PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-40

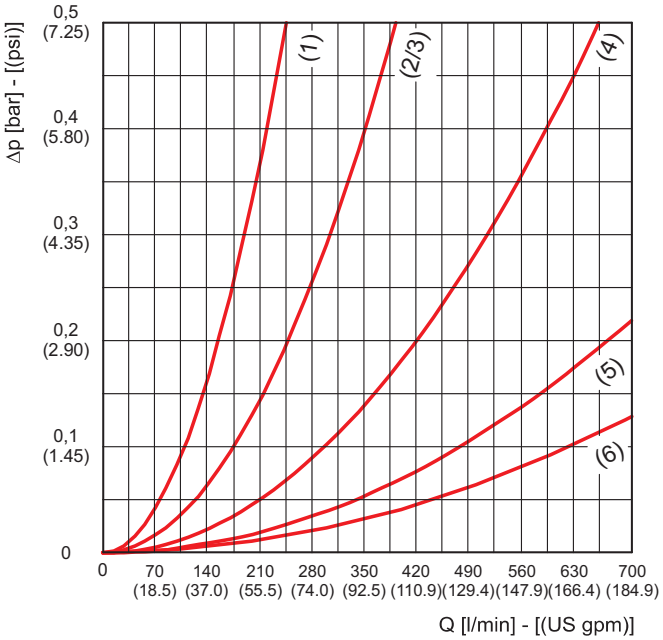
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-40.122
(2) HE K02-40.194
(3) HE K02-40.195
(4) HE K02-40.239
(5) HE K02-40.390
(6) HE K02-40.512

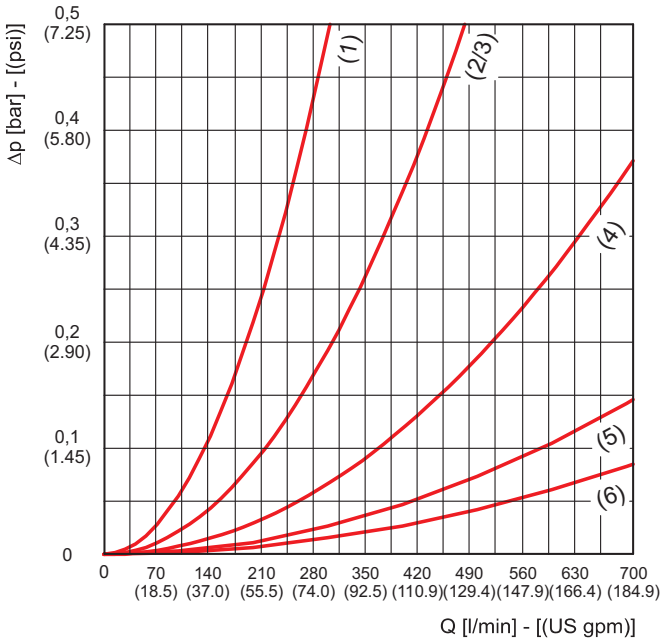
FG003



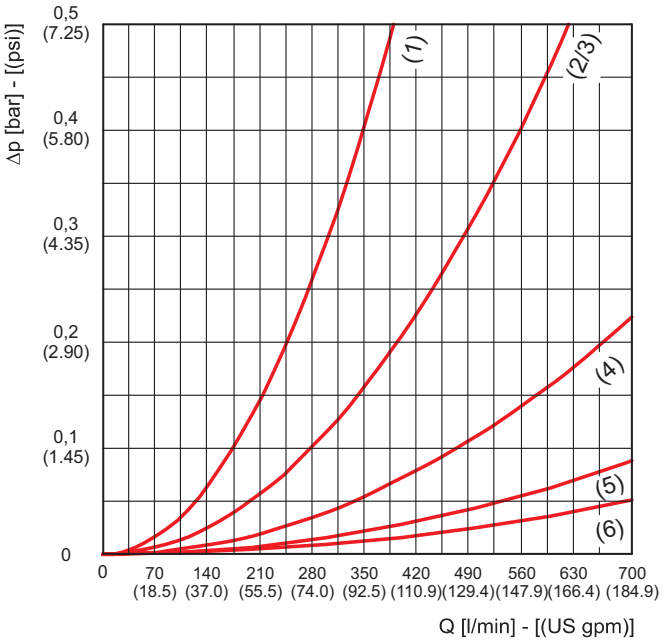
FG006



FG010



FG025



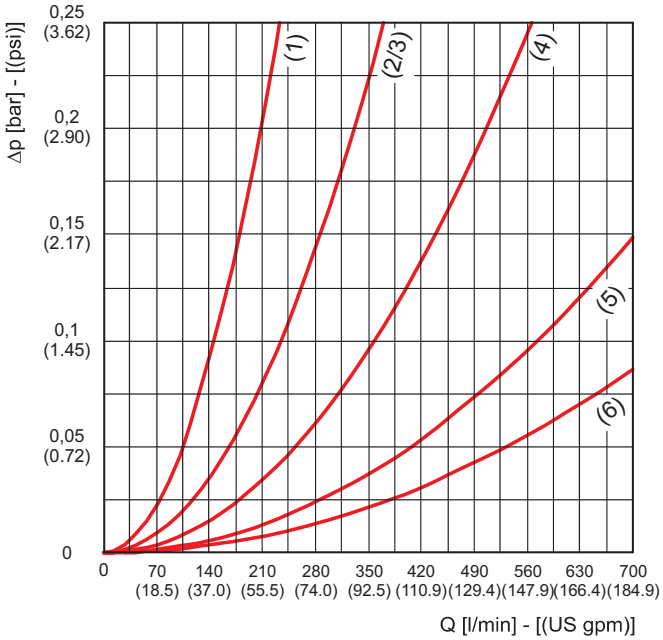
08/11.2024

PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-40

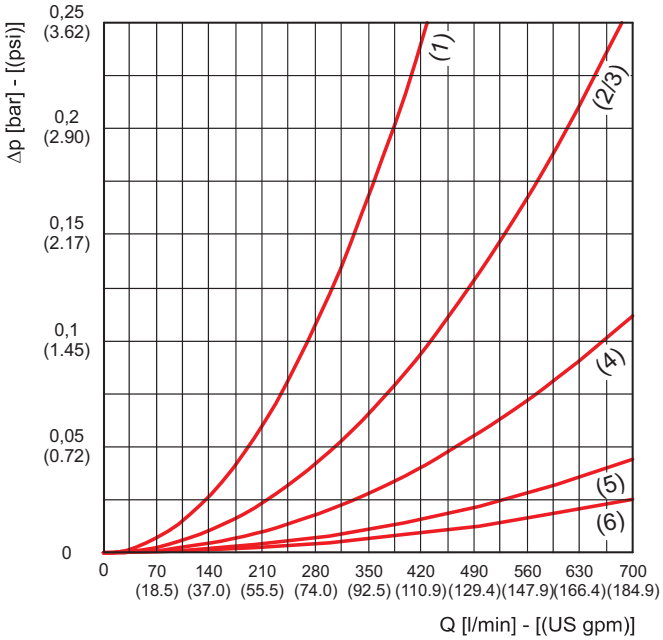
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-40.122
(2) HE K02-40.194
(3) HE K02-40.195
(4) HE K02-40.239
(5) HE K02-40.390
(6) HE K02-40.512

RP010



RP025



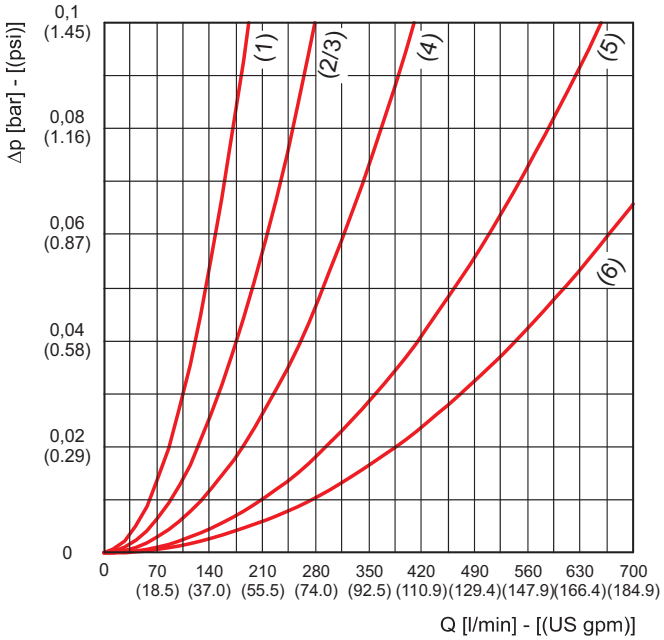
08/11.2024

PRESSURE DROP CURVES THROUGH THE ELEMENT HE K02-40

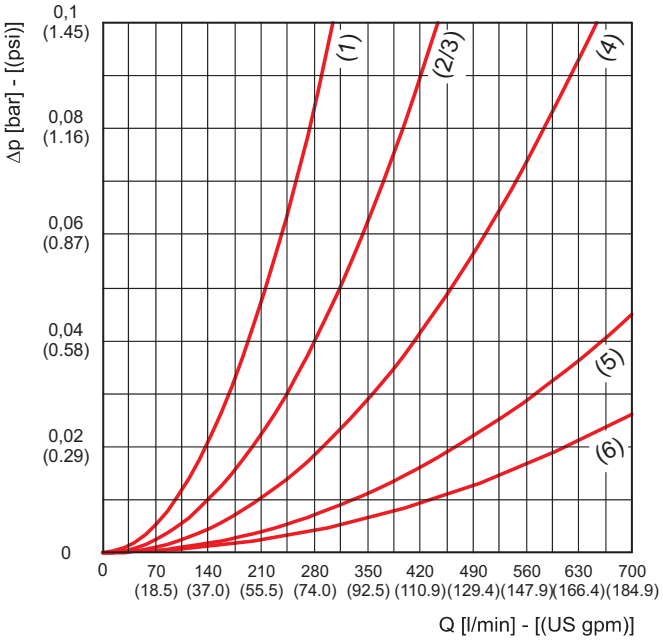
The curves are obtained in the following conditions:
Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm^3).

(1) HE K02-40.122
(2) HE K02-40.194
(3) HE K02-40.195
(4) HE K02-40.239
(5) HE K02-40.390
(6) HE K02-40.512

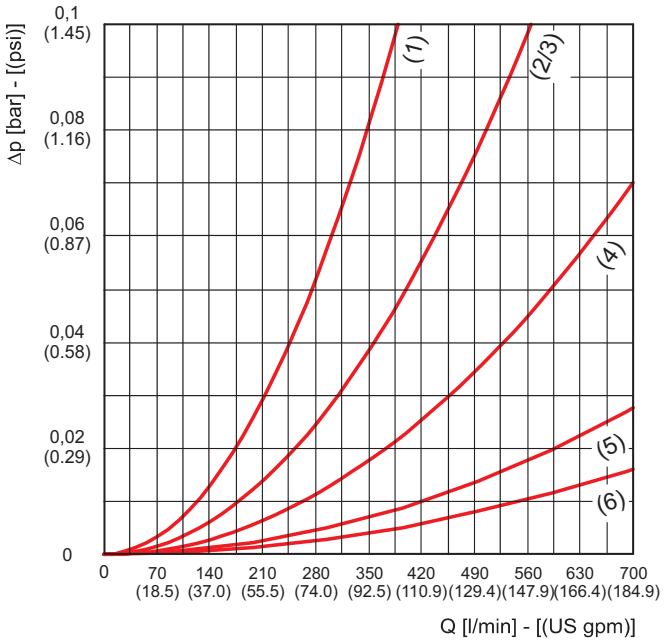
MI025



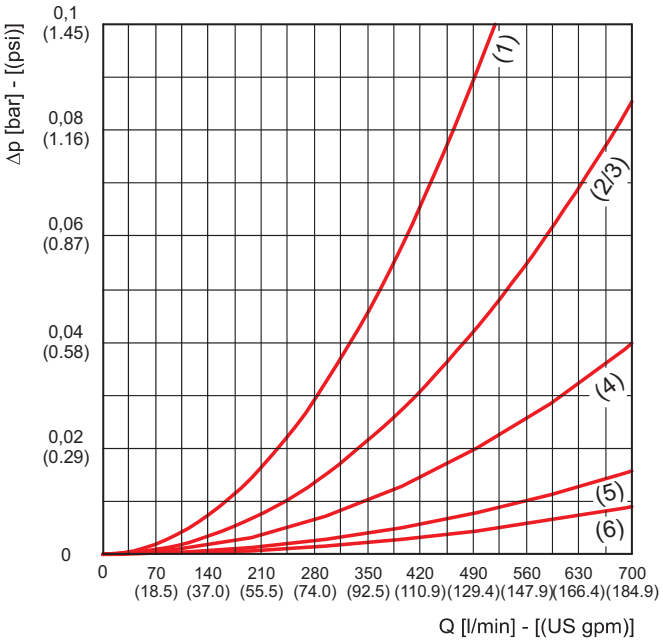
MI060



MS090



MI125



08/11.2024

FLOWS

Filter type	Inlet port			Degree of filtration					
				FG003	FG006	FG010	FG025	RP/SP010	RP/SP025
				Flow					
				Δp= 5.8 psi (0,4 bar) (values referred to standard filtering surfaces)					
	GAS (BSPP)	NPT	SAE J514b	US gpm (l/min)					
HF 554-10.060	G 3/8	3/8 NPT	9/16-18 UNF-2B	4.0 (15)	4.0 (15)	6.6 (25)	6.6 (25)	6.6 (25)	9.2 (35)
	G 1/2	1/2 NPT	3/4-16 UNF-2B	4.0 (15)	4.0 (15)	6.6 (25)	6.6 (25)	6.6 (25)	11.9 (45)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	4.0 (15)	4.0 (15)	6.6 (25)	7.9 (30)	6.6 (25)	11.9 (45)
HF 554-10.129	G 3/8	3/8 NPT	9/16-18 UNF-2B	7.9 (30)	9.2 (35)	9.2 (35)	11.9 (45)	11.9 (45)	13.2 (50)
	G 1/2	1/2 NPT	3/4-16 UNF-2B	9.2 (35)	9.2 (35)	11.9 (45)	13.2 (50)	11.9 (45)	15.9 (60)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	9.2 (35)	9.2 (35)	11.9 (45)	14.5 (55)	13.2 (50)	18.5 (70)
HF 554-20.077	G 1/2	1/2 NPT	3/4-16 UNF-2B	9.2 (35)	9.2 (35)	11.9 (45)	13.2 (50)	13.2 (50)	17.2 (65)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	9.2 (35)	9.2 (35)	11.9 (45)	14.5 (55)	14.5 (55)	19.8 (75)
	G 1	1 NPT	1 5/16-12 UNF-2B	9.2 (35)	9.2 (35)	11.9 (45)	14.5 (55)	14.5 (55)	22.5 (85)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	9.2 (35)	9.2 (35)	11.9 (45)	14.5 (55)	14.5 (55)	22.5 (85)
HF 554-20.122	G 1/2	1/2 NPT	3/4-16 UNF-2B	11.9 (45)	13.2 (50)	14.5 (55)	17.2 (65)	17.2 (65)	19.8 (75)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	11.9 (45)	14.5 (55)	17.2 (65)	19.8 (75)	19.8 (75)	25.1 (95)
	G 1	1 NPT	1 5/16-12 UNF-2B	13.2 (50)	14.5 (55)	17.2 (65)	19.8 (75)	19.8 (75)	26.4 (100)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	13.2 (50)	14.5 (55)	17.2 (65)	21.1 (80)	19.8 (75)	27.7 (105)
HF 554-20.201	G 1/2	1/2 NPT	3/4-16 UNF-2B	17.2 (65)	17.2 (65)	19.8 (75)	22.5 (85)	21.1 (80)	23.8 (90)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	18.5 (70)	19.8 (75)	23.8 (90)	27.7 (105)	26.4 (100)	33.0 (125)
	G 1	1 NPT	1 5/16-12 UNF-2B	19.8 (75)	22.5 (85)	25.1 (95)	30.4 (115)	30.4 (115)	38.3 (145)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	19.8 (75)	22.5 (85)	26.4 (100)	31.7 (120)	30.4 (115)	42.3 (160)
HF 554-20.280	G 1/2	1/2 NPT	3/4-16 UNF-2B	19.8 (75)	19.8 (75)	22.5 (85)	22.5 (85)	22.5 (85)	25.1 (95)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	22.5 (85)	25.1 (95)	27.7 (105)	30.4 (115)	30.4 (115)	34.3 (130)
	G 1	1 NPT	1 5/16-12 UNF-2B	25.1 (95)	27.7 (105)	31.7 (120)	35.7 (135)	35.7 (135)	40.9 (155)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	26.4 (100)	29.1 (110)	33.0 (125)	38.3 (145)	38.3 (145)	46.2 (175)
HF 554-30.195	G 1	1 NPT	1 5/16-12 UNF-2B	39.6 (150)	40.9 (155)	44.9 (170)	50.2 (190)	50.2 (190)	55.5 (210)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	40.9 (155)	44.9 (170)	50.2 (190)	58.1 (220)	58.1 (220)	71.3 (270)
	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	42.3 (160)	46.2 (175)	55.5 (210)	60.8 (230)	60.8 (230)	74.0 (280)
HF 554-30.239	G 1	1 NPT	1 5/16-12 UNF-2B	42.3 (160)	44.9 (170)	50.2 (190)	52.8 (200)	52.8 (200)	58.1 (220)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	47.5 (180)	50.2 (190)	55.5 (210)	63.4 (240)	60.8 (230)	71.3 (270)
	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	50.2 (190)	52.8 (200)	60.8 (230)	66.0 (250)	66.0 (250)	76.6 (290)
HF 554-40.122	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	46.2 (175)	51.5 (195)	60.8 (230)	72.6 (275)	64.7 (245)	89.8 (340)
	G 2	2 NPT	2 1/2-12 UNF-2B	47.5 (180)	54.1 (205)	63.4 (240)	76.6 (290)	68.7 (260)	100.4 (380)
HF 554-40.194	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	66.0 (250)	72.6 (275)	81.9 (310)	91.1 (345)	84.5 (320)	103.0 (390)
	G 2	2 NPT	2 1/2-12 UNF-2B	70.0 (265)	76.6 (290)	88.5 (335)	100.4 (380)	92.5 (350)	118.9 (450)
HF 554-40.195	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	68.7 (260)	76.6 (290)	87.2 (330)	97.7 (370)	89.8 (340)	113.6 (430)
	G 2	2 NPT	2 1/2-12 UNF-2B	72.6 (275)	81.9 (310)	95.1 (360)	111.0 (420)	100.4 (380)	134.7 (510)
HF 554-40.239	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	95.1 (360)	100.4 (380)	108.3 (410)	116.2 (440)	108.3 (410)	124.2 (470)
	G 2	2 NPT	2 1/2-12 UNF-2B	105.7 (400)	114.9 (435)	125.5 (475)	138.7 (525)	126.8 (480)	150.6 (570)
HF 554-40.390	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	113.6 (430)	116.2 (440)	121.5 (460)	124.2 (470)	121.5 (460)	126.8 (480)
	G 2	2 NPT	2 1/2-12 UNF-2B	132.1 (500)	140.0 (530)	146.6 (555)	153.2 (580)	147.9 (560)	159.8 (605)
HF 554-40.512	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	118.9 (450)	121.5 (460)	124.2 (470)	126.8 (480)	124.2 (470)	129.4 (490)
	G 2	2 NPT	2 1/2-12 UNF-2B	145.3 (550)	147.9 (560)	153.2 (580)	158.5 (600)	153.2 (580)	163.8 (620)

08/11.2024

FLOWS

Filter type	Inlet port			Degree of filtration			
				MI025	MI060	MS090	MI125
				Flow			
				Δp= 5.8 psi (0,4 bar) (values referred to standard filtering surfaces)			
	GAS (BSPP)	NPT	SAE J514b	US gpm (l/min)			
HF 554-10.060	G 3/8	3/8 NPT	9/16-18 UNF-2B	9.2 (35)	11.9 (45)	11.9 (45)	14.5 (55)
	G 1/2	1/2 NPT	3/4-16 UNF-2B	9.2 (35)	11.9 (45)	14.5 (55)	15.9 (60)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	9.2 (35)	13.2 (50)	15.9 (60)	17.2 (65)
HF 554-10.129	G 3/8	3/8 NPT	9/16-18 UNF-2B	11.9 (45)	14.5 (55)	14.5 (55)	14.5 (55)
	G 1/2	1/2 NPT	3/4-16 UNF-2B	14.5 (55)	17.2 (65)	17.2 (65)	18.5 (70)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	17.2 (65)	19.8 (75)	21.1 (80)	22.5 (85)
HF 554-20.077	G 1/2	1/2 NPT	3/4-16 UNF-2B	14.5 (55)	18.5 (70)	19.8 (75)	21.1 (80)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	17.2 (65)	22.5 (85)	23.8 (90)	25.1 (95)
	G 1	1 NPT	1 5/16-12 UNF-2B	17.2 (65)	22.5 (85)	25.1 (95)	27.7 (105)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	17.2 (65)	23.8 (90)	26.4 (100)	29.1 (110)
HF 554-20.122	G 1/2	1/2 NPT	3/4-16 UNF-2B	17.2 (65)	19.8 (75)	21.1 (80)	22.5 (85)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	19.8 (75)	23.8 (90)	25.1 (95)	26.4 (100)
	G 1	1 NPT	1 5/16-12 UNF-2B	22.5 (85)	26.4 (100)	27.7 (105)	30.4 (115)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	22.5 (85)	27.7 (105)	29.1 (110)	31.7 (120)
HF 554-20.201	G 1/2	1/2 NPT	3/4-16 UNF-2B	22.5 (85)	25.1 (95)	25.1 (95)	25.1 (95)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	27.7 (105)	33.0 (125)	33.0 (125)	35.7 (135)
	G 1	1 NPT	1 5/16-12 UNF-2B	30.4 (115)	38.3 (145)	40.9 (155)	42.3 (160)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	33.0 (125)	40.9 (155)	43.6 (165)	46.2 (175)
HF 554-20.280	G 1/2	1/2 NPT	3/4-16 UNF-2B	23.8 (90)	25.1 (95)	25.1 (95)	25.1 (95)
	G 3/4	3/4 NPT	1 1/16-12 UNF-2B	30.4 (115)	33.0 (125)	34.3 (130)	35.7 (135)
	G 1	1 NPT	1 5/16-12 UNF-2B	35.7 (135)	40.9 (155)	42.3 (160)	43.6 (165)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	38.3 (145)	44.9 (170)	47.6 (180)	48.9 (185)
HF 554-30.195	G 1	1 NPT	1 5/16-12 UNF-2B	50.2 (190)	55.5 (210)	58.1 (220)	60.8 (230)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	60.8 (230)	68.7 (260)	71.3 (270)	74.0 (280)
	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	63.4 (240)	74.0 (280)	76.6 (290)	81.9 (310)
HF 554-30.239	G 1	1 NPT	1 5/16-12 UNF-2B	55.5 (210)	56.8 (215)	58.1 (220)	60.8 (230)
	G 1 1/4	1 1/4 NPT	1 5/8-12 UNF-2B	66.0 (250)	71.3 (270)	74.0 (280)	76.6 (290)
	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	68.7 (260)	76.6 (290)	79.3 (300)	81.9 (310)
HF 554-40.122	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	76.6 (290)	95.1 (360)	101.7 (385)	108.3 (410)
	G 2	2 NPT	2 1/2-12 UNF-2B	81.9 (310)	105.7 (400)	116.2 (440)	124.2 (470)
HF 554-40.194	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	91.1 (345)	104.3 (395)	108.3 (410)	111.0 (420)
	G 2	2 NPT	2 1/2-12 UNF-2B	101.7 (385)	118.9 (450)	126.8 (480)	132.1 (500)
HF 554-40.195	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	97.7 (370)	114.9 (435)	121.5 (460)	124.2 (470)
	G 2	2 NPT	2 1/2-12 UNF-2B	111.0 (420)	137.4 (520)	145.3 (550)	153.2 (580)
HF 554-40.239	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	112.3 (425)	122.8 (465)	125.5 (475)	128.1 (485)
	G 2	2 NPT	2 1/2-12 UNF-2B	132.1 (500)	150.6 (570)	155.9 (590)	161.1 (610)
HF 554-40.390	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	122.8 (465)	126.8 (480)	129.4 (490)	130.8 (495)
	G 2	2 NPT	2 1/2-12 UNF-2B	150.6 (570)	159.8 (605)	162.5 (615)	163.8 (620)
HF 554-40.512	G 1 1/2	1 1/2 NPT	1 7/8-12 UNF-2B	126.8 (480)	128.1 (485)	129.4 (490)	130.8 (495)
	G 2	2 NPT	2 1/2-12 UNF-2B	155.9 (590)	162.5 (615)	163.8 (620)	166.4 (630)

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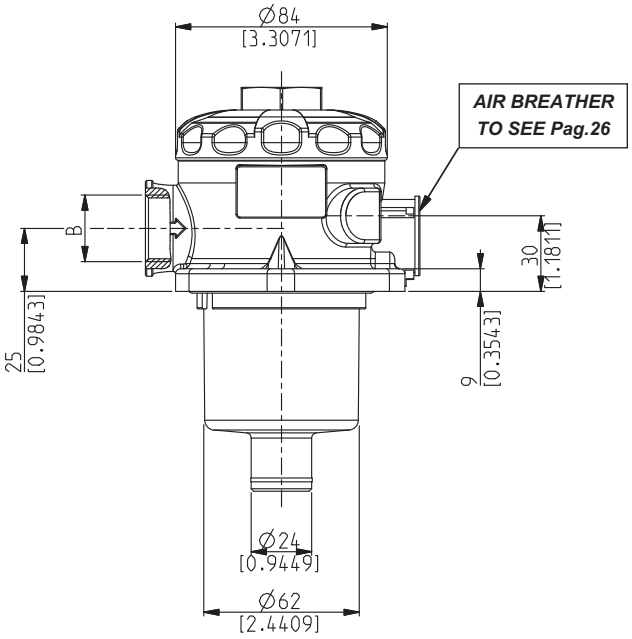
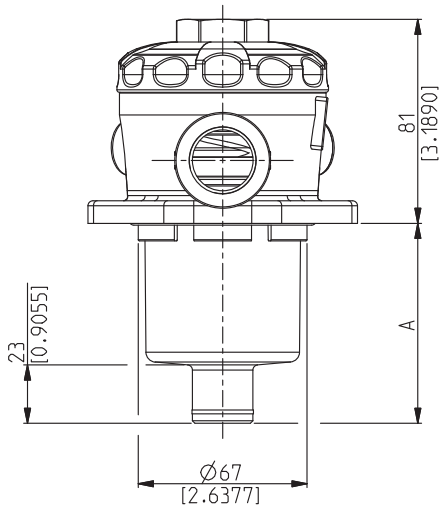
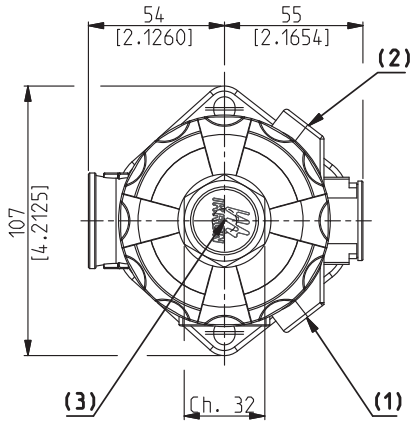
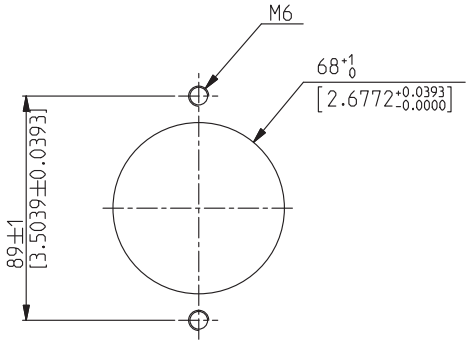
HF 554-10 DIMENSIONS

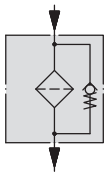




RESERVOIR MOUNTING
HOLE DIMENSIONS







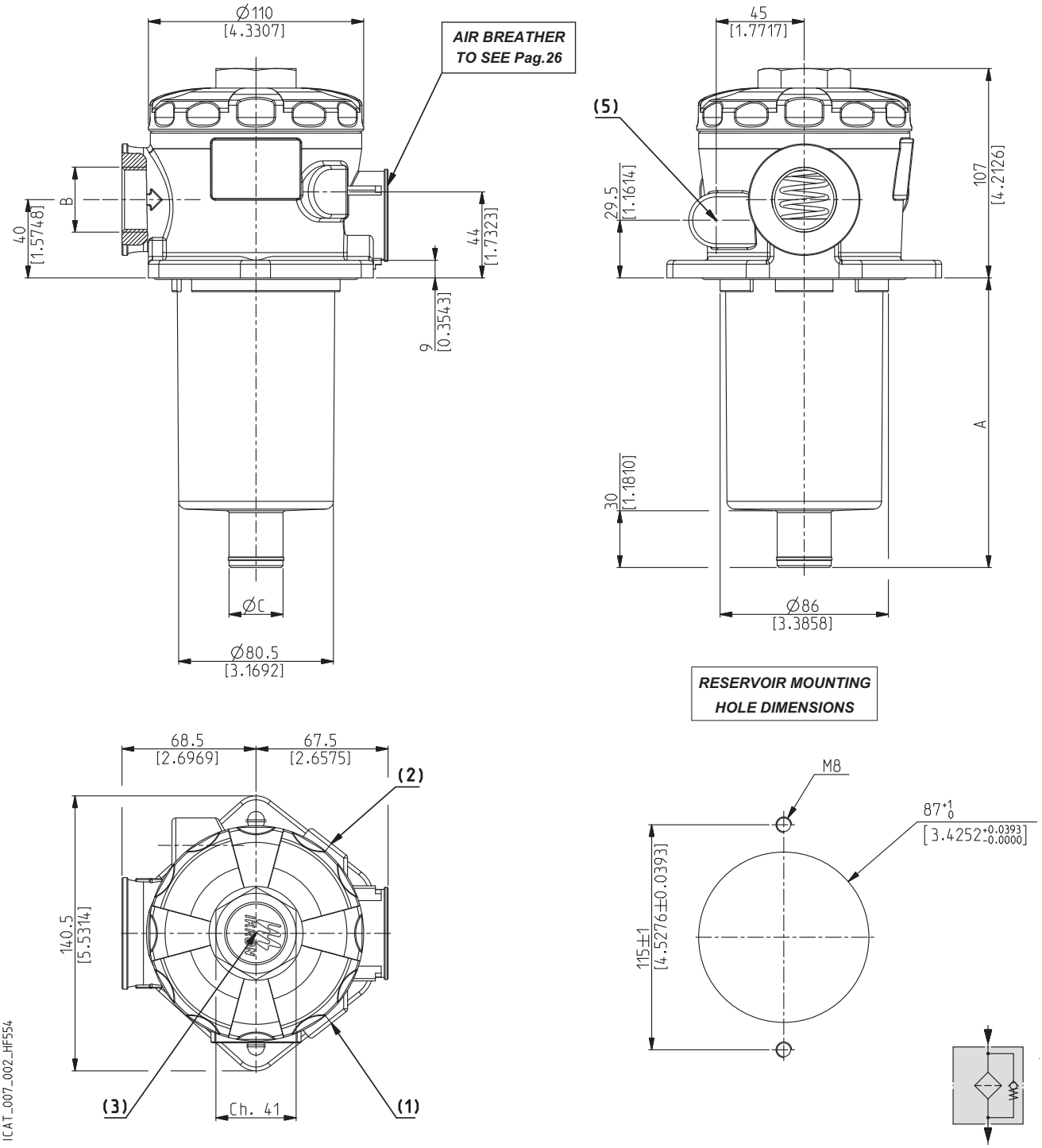
ICAT_007_001_HF554

08/11.2024

Filter type	Weight	A	B (GAS-BSPP)		(3)(GAS-BSPP) Secondary inlet	(1)(2)(3)(GAS-BSPP) Indicators
	kg(lbs)	mm(in)	Standard	On request		
HF 554-10.060	0,55 (1.21)	79 (3.1102)	G 1/2	G 3/8 - G 3/4	G 3/8	G 1/8
HF 554-10.129	0,66 (1.45)	148 (5.8267)	G 3/4	G 3/8 - G 1/2		

NPT, metric and SAE UN-UNF threads are available (consult our technical department).

HF 554-20 DIMENSIONS



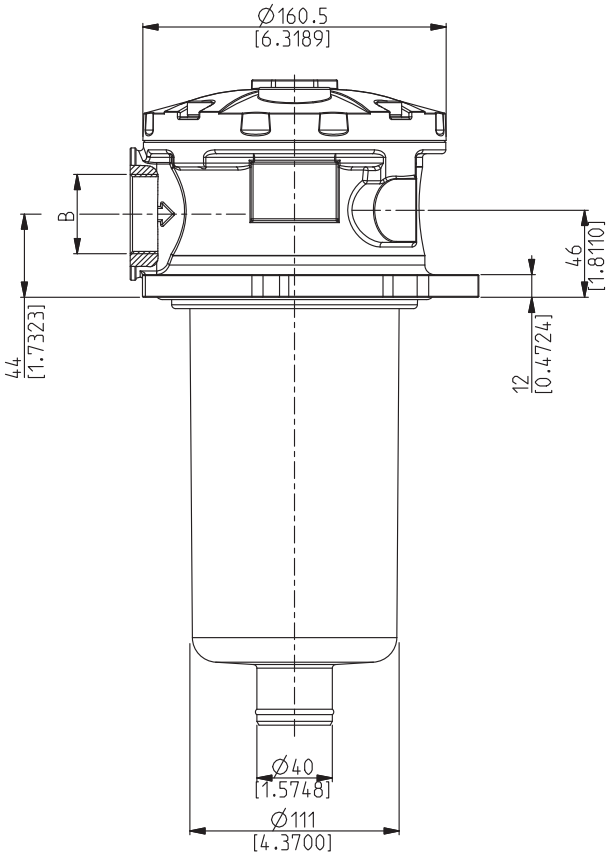
ICAT_007_002_HF554

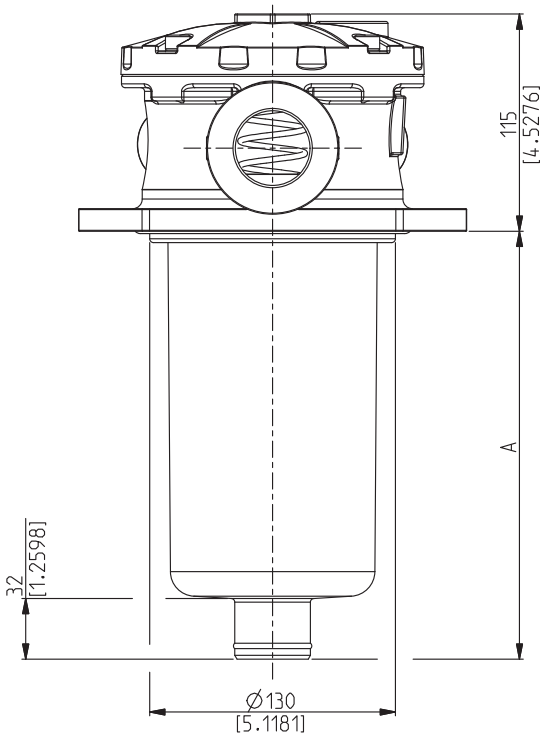
08/11.2024

Filter type	Weight	A	B (GAS-BSPP)		ØC	(3)(5)(GAS-BSPP) Secondary inlet	(1)(2)(3)(GAS-BSPP) Indicators
	kg(lbs)	mm(in)	Standard	On request	mm(in)		
HF 554-20.077	1,21 (2.67)	103 (4.0551)	G 3/4	G 1/2 - G 1 - G 1 1/4	27.5 (1.0826)	G 3/8 G 1/2	G 1/8
HF 554-20.122	1,30 (2.86)	148 (5.8267)	G 1	G 1/2 - G 3/4 - G 1 1/4			
HF 554-20.201	1,45 (3.20)	229 (9.0157)	G 1 1/4	G 1/2 - G 3/4 - G1	40 (1.5747)		
HF 554-20.280	1,67 (3.68)	312 (12.2834)					

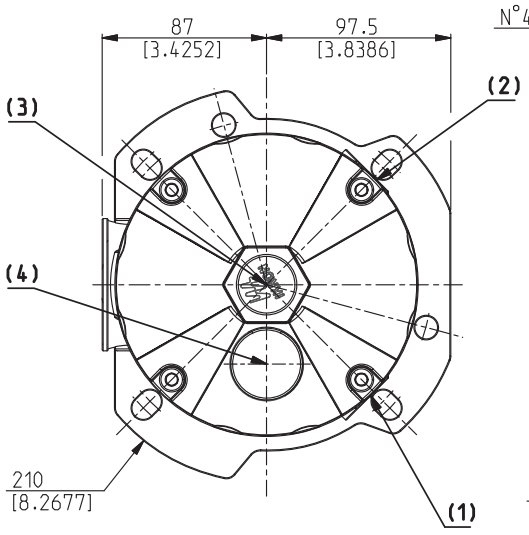
NPT, metric and SAE UN-UNF threads are available (consult our technical department).

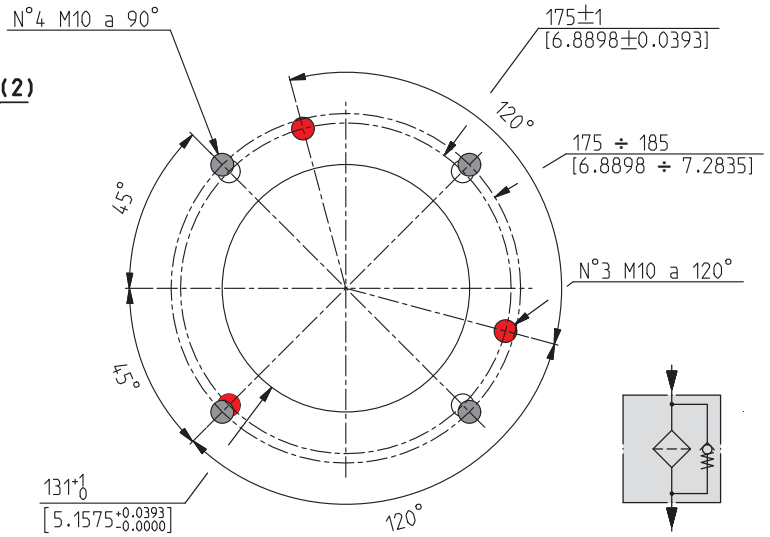
HF 554-30 DIMENSIONS





RESERVOIR MOUNTING HOLE DIMENSIONS





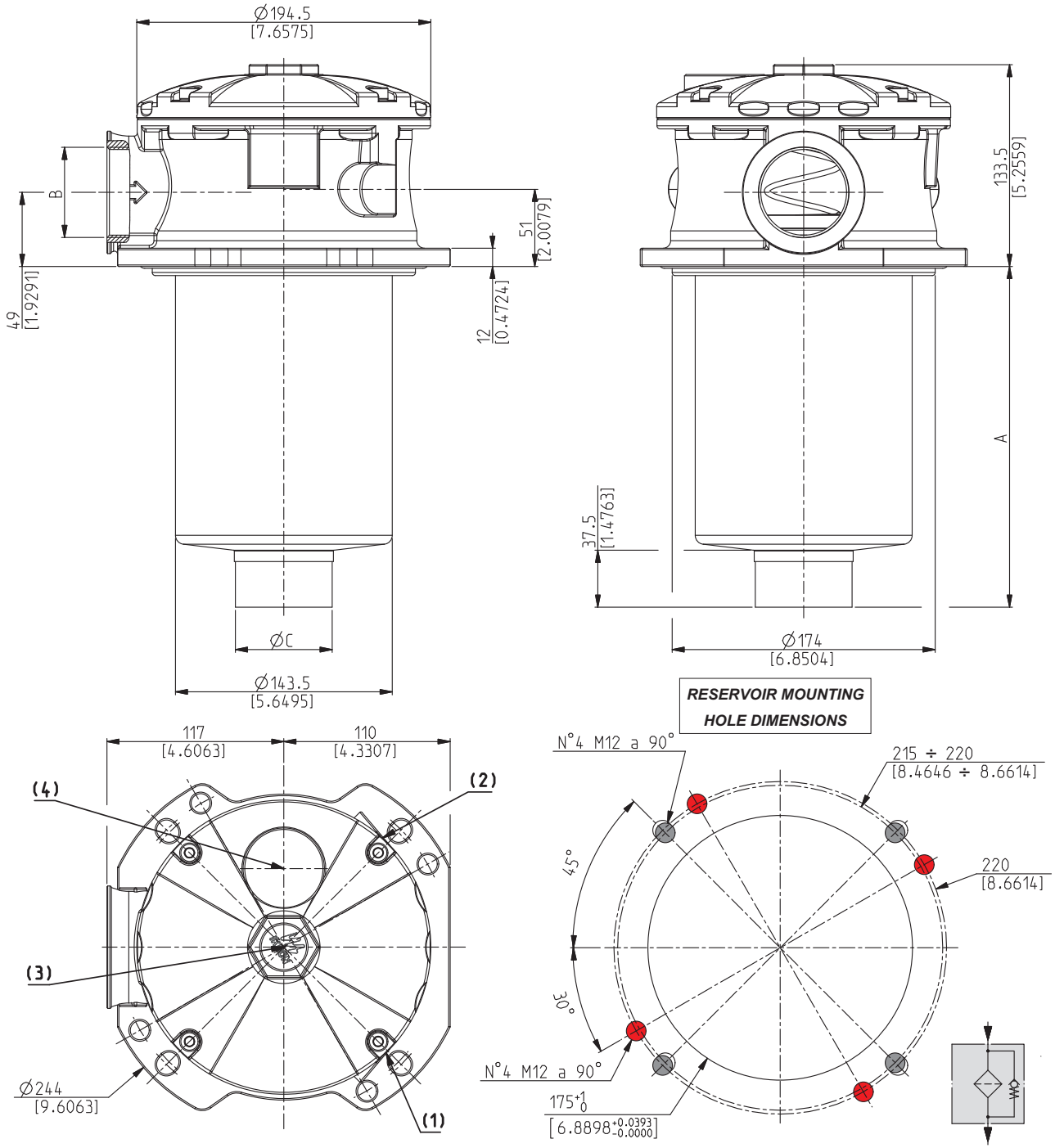
ICAT_007_003_HF554

08/11.2024

Filter type	Weight	A	B (GAS-BSPP)		(1)(2)(4)(GAS-BSPP)	(1)(2)(3)(GAS-BSPP)	(4)(GAS-BSPP)
					Secondary inlet	Indicators	Filler cap
	kg(lbs)	mm(in)	Standard	On request			
HF 554-30.195	3,44 (7.58)	226,5 (8.9172)	G 1 1/4	G 1 - G 1 1/2	G 3/8 Pos.(1)-(2) G 1/2 Pos.(1)-(2) G 3/4 Pos.(4)	G 1/8	G 3/4
HF 554-30.239	3,63 (8.00)	269,5 (10.6102)	G 1 1/2	G 1 - G 1 1/4			

NPT, metric and SAE UN-UNF threads are available (consult our technical department).

HF 554-40 DIMENSIONS



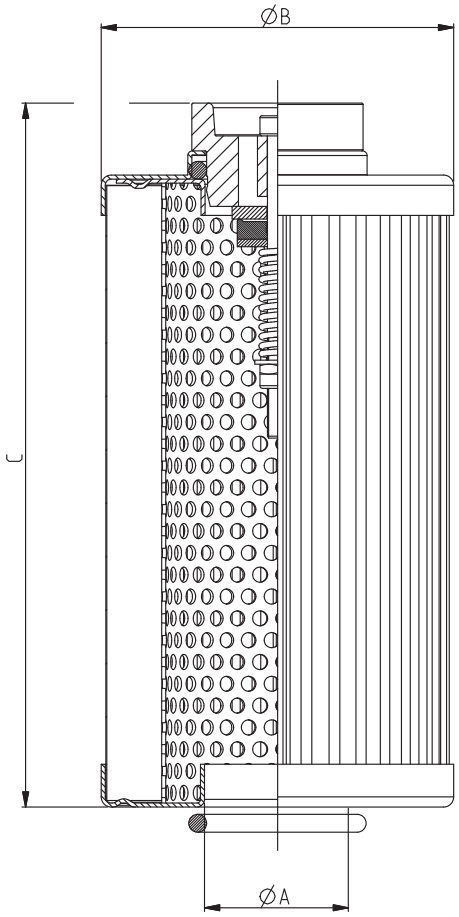
ICAT_007_004_HF554

08/11.2024

Filter type	Weight	A	B (GAS-BSPP)		ØC	(1)(2)(4)(GAS-BSPP) Secondary inlet	(1)(2)(3)(GAS-BSPP) Indicators	(4)(GAS-BSPP) Filler cap
	kg(lbs)	mm(in)	Standard	On request	mm(in)			
HF 554-40.122	4,93 (10.87)	159,5 (6.2795)	G 1 1/2	G 2	50 (1.9684)	G 3/8 Pos.(1)-(2)-(4) G 1/2 Pos.(1)-(2)-(4) G 1 Pos.(4) G 1 1/4 Pos.(4)	G 1/8	G 1 1/4
HF 554-40.194	5,30 (11.68)	225,5 (8.8779)						
HF 554-40.195								
HF 554-40.239	5,69 (12.54)	285,5 (11.2401)	G 2	G 1 1/2	64 (2.5196)			
HF 554-40.390	8,05 (17.75)	429,5 (16.9094)						
HF 554-40.512	9,13 (20.13)	554,5 (21.8306)						

NPT, metric and SAE UN-UNF threads are available (consult our technical department).

ELEMENTS DIMENSIONS FOR HF 554



ICAT_014_007_HF502

Element series HE K02-40.239, HE K02-40.390, HE K02-40.512 are only available with (FS) version.

Element type	Ø A	Ø B	C	Filtering surface type	Filtering surface		
					FG	MI / MS	RP / SP
	mm(in)	mm(in)	mm(in)		$cm^2(in^2)$	$cm^2(in^2)$	$cm^2(in^2)$
HE K02-10.060	26 (1.0226)	52 (2.0472)	75 (2.9527)	AS	346 (53.6301)	227 (35.1850)	400 (62.0001)
HE K02-10.129			144 (5.6692)	AS	743 (115.1652)	488 (75.6401)	859 (133.1453)
HE K02-20.077	29 (1.1417)	70 (2.7558)	95 (3.7401)	AS	702 (108.8102)	444 (68.8201)	850 (131.7503)
HE K02-20.122			140 (5.5117)	AS	1113 (172.5153)	615 (95.3251)	1347 (208.7854)
HE K02-20.201	41 (1.6141)		225 (8.8582)	AS	1680 (260.4005)	929 (143.9953)	2034 (315.2706)
HE K02-20.280			304 (11.9684)	AS	2341 (362.8557)	1294 (200.5704)	2834 (439.2709)
HE K02-30.195	41 (1.6141)	99 (3.8976)	212 (8.3664)	AS	3705 (574.2761)	2048 (317.4406)	4485 (695.1764)
HE K02-30.239			255 (10.0393)	AS	4541 (703.8564)	2510 (389.0508)	5497 (852.0367)
HE K02-40.122	52 (2.0472)	130 (5.1180)	139 (5.4724)	AS	3821 (592.2562)	2174 (336.3707)	4019 (622.9462)
HE K02-40.194			212 (8.3464)	AS	6107 (946.5869)	3159 (489.6460)	6423 (995.5670)
HE K02-40.195	65 (2.5590)				6107 (946.5869)	3159 (489.6460)	6423 (995.5670)
HE K02-40.239			256 (10.0787)	FS	10325 (1600.3780)	4646 (720.1314)	9809 (1520.3980)
HE K02-40.390			407 (16.0235)	FS	16536 (2563.0850)	7441 (1153.3570)	15709 (2434.9000)
HE K02-40.512			529 (20.8267)	FS	21709 (3364.9020)	9769 (1514.1980)	20623 (3196.5710)

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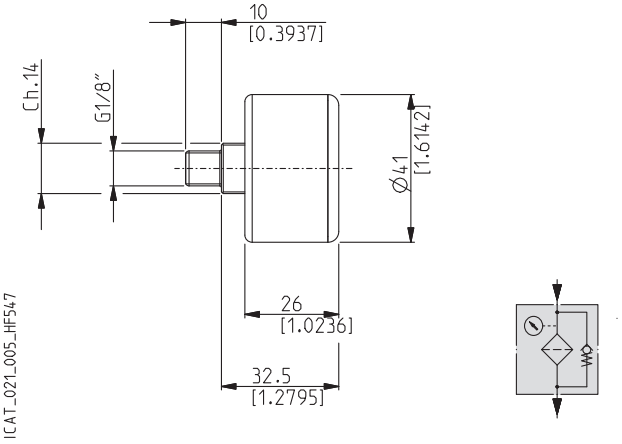
INDICATORS

REAR MANOMETER

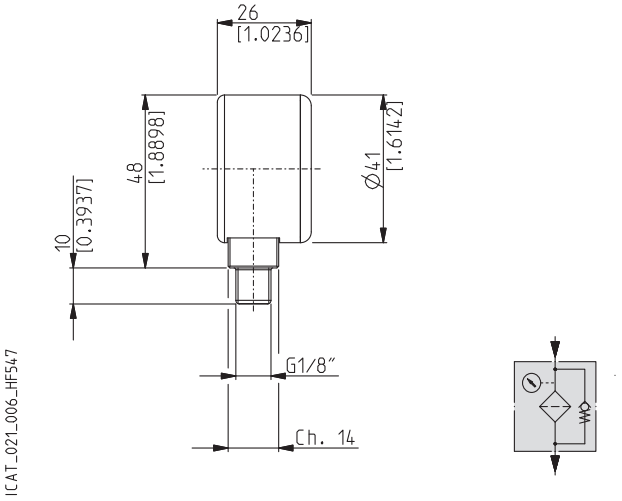
Code: **M**



Scale	0 ÷ +145 psi (0 ÷ +10 bar)

RADIAL MANOMETER

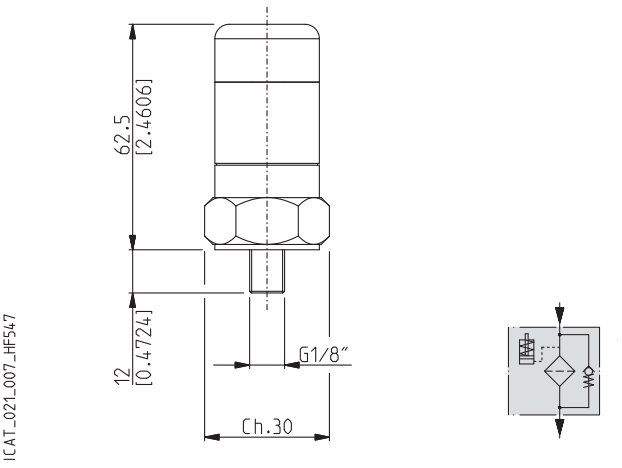
Code: **N**



Scale	0 ÷ +145 psi (0 ÷ +10 bar)

VISUAL INDICATOR

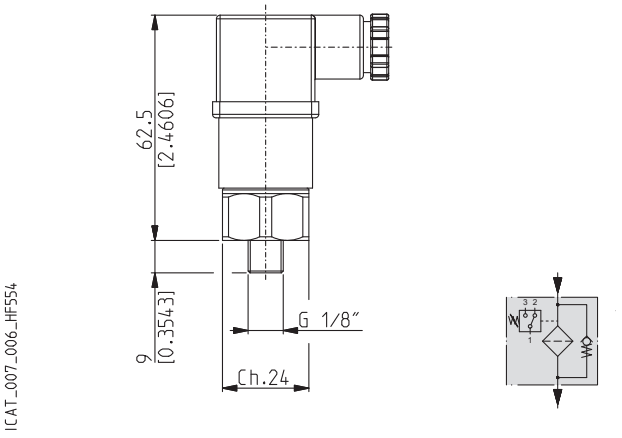
Code: **P**



Pressure setting	21.8 psi (1,5 bar)

ELECTRICAL INDICATOR

Code: **S**



Pressure setting	21.8 psi (1,5 bar)
Max. working voltage	250 VCA
	110 VCC
Max. working current	0,5 A (resistivity)
	0,15 A (inductive)
Protection class	IP65
Contacts	N.O. and N.C.

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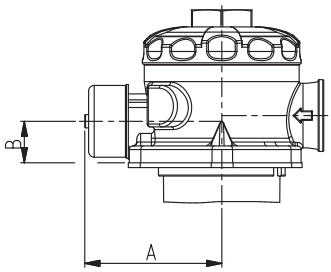
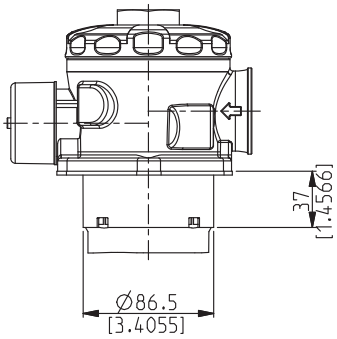
ACCESSORIES

WITH AIR BREATHER
only for HF 554-10 and HF 554-20

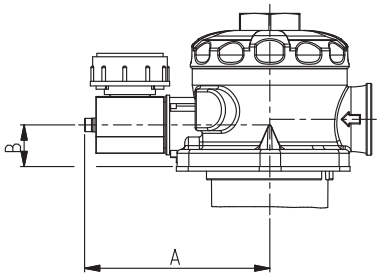


Filter with air breather	A mm(in)	B mm(in)
HF 554-10	72,5 (2.8543)	22 (0.8661)
HF 554-20	93,5 (3.6810)	32,5 (1.2795)

WITH ANTISPLASH
only for HF 554-20

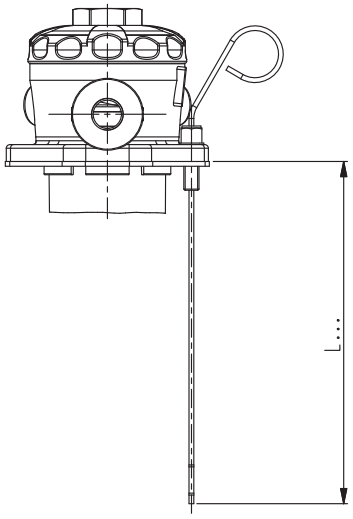


WITH PRESSURIZED AIR BREATHER
only for HF 554-10 and HF 554-20

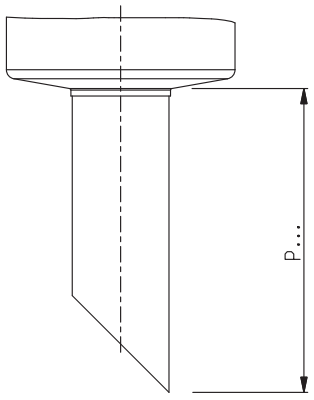


Filter with press. air breather	A mm(in)	B mm(in)
HF 554-10	98 (3.8582)	22 (0.8661)
HF 554-20	119,5 (4.7047)	32,5 (1.2795)

WITH LEVEL DIPSTICK

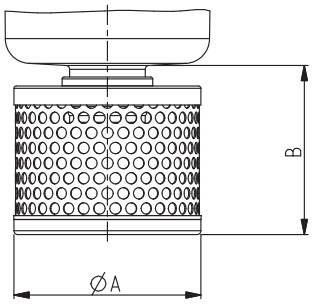


WITH BOWL EXTENSION



Filter with diffuser	A mm(in)	B mm(in)
HF 554-10	52 (2.0472)	50 (1.9684)
HF 554-20	70 (2.7558)	65 (2.5590)
HF 554-30	99 (3.8976)	90 (3.5432)
HF 554-40	140 (5.5117)	150 (5.9054)

WITH DIFFUSER



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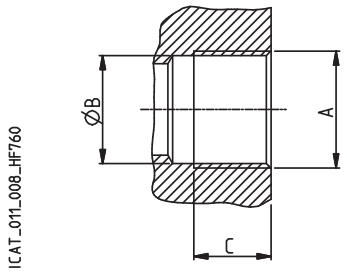
ICAT_007_005_HF554

INLET PORTS

Filter type	PORTS TYPE			
	Nominal size	Gas BSPP	NPT	SAE ODT
HF 554-10	3/8"	GC	NC	OA
	1/2"	GD	ND	OB
	3/4"	GE	NE	OD
HF 554-20	1/2"	GD	ND	OB
	3/4"	GE	NE	OD
	1"	GF	NF	OF
	1" 1/4	GG	NG	OG
HF 554-30	1"	GF	NF	OF
	1" 1/4	GG	NG	OG
	1" 1/2	GH	NH	OH
HF 554-40	1" 1/2	GH	NH	OH
	2"	GL	NL	OI

GAS THREAD — BSPP

Cylindrical GAS thread (55°) in accordance with UNI - ISO 228



CODE	Nominal size	A	∅ B	C	
			mm (in)	mm (in)	Nm (lbf in)
GC	3/8"	G 3/8	15 (0.5905)	14 (0.5511)	15 $^{+1}$ (133 ÷ 142)
GD	1/2"	G 1/2	19 (0.7480)	17 (0.6692)	20 $^{+1}$ (177 ÷ 186)
GE	3/4"	G 3/4	24,5 (0.9645)	20 (0.7873)	30 $^{+2,5}$ (266 ÷ 288)
GF	1"	G 1	30,5 (1.2007)	22 (0.8661)	50 $^{+2,5}$ (443 ÷ 465)
GG	1" 1/4	G 1 1/4	39 (1.5354)	24 (0.9448)	60 $^{+5}$ (531 ÷ 575)
GH	1" 1/2	G 1 1/2	45 (1.7716)	26 (1.0236)	70 $^{+5}$ (620 ÷ 664)
GL	2"	G 2	57 (2.2440)	32 (1.2598)	150 $^{+10}$ (1328 ÷ 1416)

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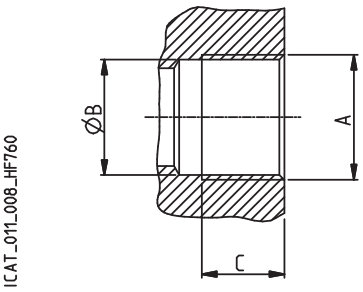
INLET PORTS

NPT THREAD — NPT

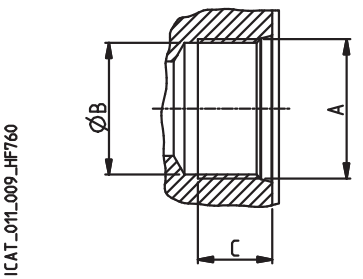
NPT thread (60°) in accordance with ANSI - ASME B1-20



CODE	Nominal size	A	∅ B	C	
			mm (in)	mm (in)	Nm (lbf in)
NC	3/8"	3/8 NPT	14,75 (0.5807)	10 (0.3936)	5 +1 (44 ÷ 53)
ND	1/2"	1/2 NPT	18 (0.7086)	13 (0.5118)	10 +1 (88 ÷ 97)
NE	3/4"	3/4 NPT	23,5 (0.9251)	14 (0.5511)	25 +1 (221 ÷ 230)
NF	1"	1 NPT	29,5 (1.1614)	17 (0.6692)	30 +2,5 (265 ÷ 287)
NG	1" 1/4	1 1/4 NPT	38,5 (1.5157)	18 (0.7086)	50 +2,5 (442 ÷ 464)
NH	1" 1/2	1 1/2 NPT	44 (1.7322)	18,5 (0.7283)	70 +5 (620 ÷ 664)
NL	2"	2 NPT	57 (2.2440)	19,5 (0.7677)	130 +5 (1150 ÷ 1195)

SAE J514 THREAD — ODT

American thread UNC-UNF 60° in accordance with ANSI B 1.1



CODE	Nominal size	A	∅ B	C	
			mm (in)	mm (in)	Nm (lbf in)
OA	3/8"	9/16" - 18 UNF- 2B	12,75 (0.5019)	12 (0.4724)	15 +1 (133 ÷ 142)
OB	1/2"	3/4" - 16 UNF - 2B	17,3 (0.6811)	15 (0.5905)	20 +1 (177 ÷ 186)
OD	3/4"	1 1/16" - 12 UNF - 2B	24,7 (0.9724)	20 (0.7873)	40 +2,5 (354 ÷ 376)
OF	1"	1 5/16" - 12 UNF - 2B	30,5 (1.2007)	20 (0.7873)	60 +5 (531 ÷ 575)
OG	1" 1/4	1 5/8" - 12 UNF - 2B	39,1 (1.5393)	20 (0.7873)	70 +5 (620 ÷ 664)
OH	1" 1/2	1 7/8" - 12 UNF - 2B	45,3 (1.7834)	20 (0.7873)	100 +5 (885 ÷ 929)
OI	2"	2 1/2" - 12 UNF - 2B	61,3 (2.4133)	20 (0.7873)	150 +10 (1328 ÷ 1416)

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ASSEMBLY AND REPLACING ELEMENT INSTRUCTIONS

MOUNTING

Once you have checked the integrity of the filter inside its package, proceed as follow:

A Take off the protection cap from the inlet port.

B Secure the filter in the tank through the holes in the body's flange (pos.2) tightening them as follows:
HF 554-10 and HF 554-20 = 44 lbf in (5 Nm)
HF 554-30 = 62 lbf in (7 Nm)
HF 554-40 = 88 lbf in (10 Nm)

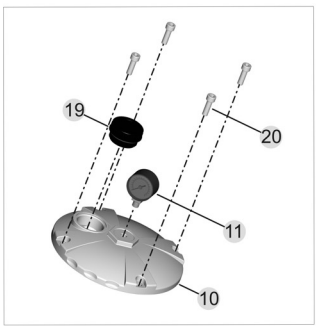
C Connect the piping of the return line to the inlet port using the tightening torque indicated on pages 27 and 28.

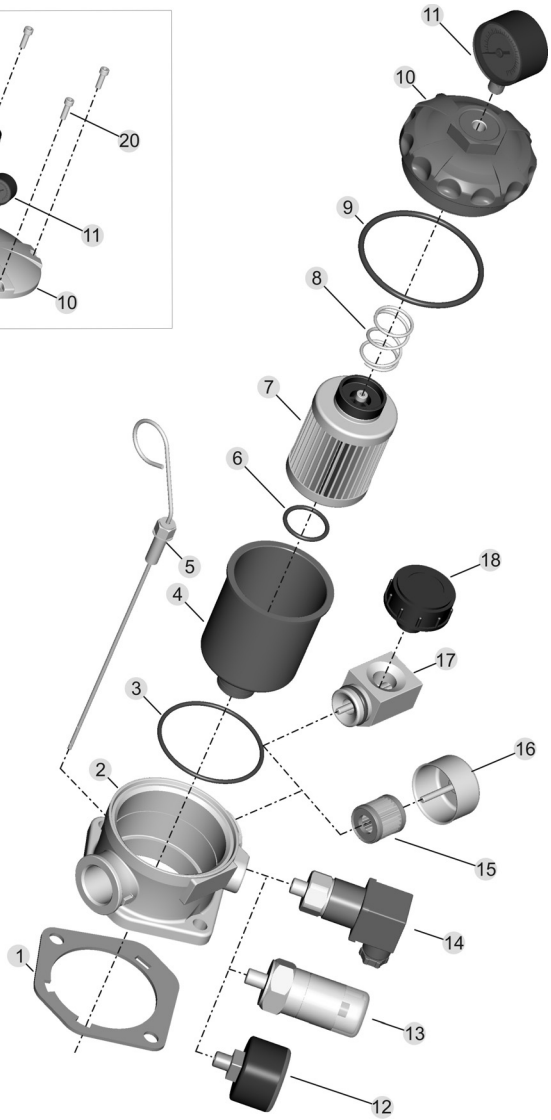
D In the presence of secondary inlet ports, prepare the required connections.

E If the filter has a clogging indicator (pos.11 - 12 - 13 - 14), take the protection cap off and screw the indicator in the dedicated seat, then tighten to a tightening torque of 177 lbf in (20 Nm). If the indicator is electric, complete the required connections.

F Start the circuit for a few minutes.

G Make sure there are no leaks.





REPLACING ELEMENT

Once the working hour limit indicated in the manteinance instructions of the system is reached or when the clogging indicators point out the limit pressure drop created inside the filter, the element must be replaced. Pay attention to the drainage of hydraulic oil, therefore prepare suitable containers to collect it.Each time the filtering element gets substituted we advise to change the air filter one too (pos.15).

Proceed as follows:

A Stop the system in "machine stopped" status.

B Secure any shut-off valves on the hydraulic circuit.

C Unscrew the cover's screw (pos.20)(only for dimension HF 554-30 and 40) and take off the closing cap (pos.10).

D Remove the clogged filtering element (pos.7) and clean the bowl's bottom (pos.4) from the residual particles left during the functioning.

E Check out that the O-rings (pos.3, 6 and 9) are not damaged, otherwise replace them and consequently position the new ones correctly..

F In case of leakages between the tank and the filter's body (pos.2) check out the seal condition (pos.1)(or O-ring). If it is damaged replace it and consequently position the new one correctly.

G Insert the new filtering element pre-emptively lubricating the O-Ring (pos. 6).

H Insert the placement spring (pos.8) in the dedicated seat of the filter's cover (pos.10). Reassemble it using the fixing screws (pos.20) with a tightening torque of 44 lbf in (5 Nm).

I Re-open the eventual valves closed before.

L Start the machine for a few minutes.

M Make sure there are no leaks.

Pos.	Description	Pos.	Description
1	Filter's body seal	11	Radial manometer
2	Filter's body	12	Rear manometer
3	Bowl O-ring	13	Visual indicator
4	Bowl	14	Electricl indicator
5	Level dipstick	15	Air breather element
6	Element O-ring	16	Breather protection
7	Filtering element	17	Pressurized air breather joint
8	Placement spring	18	Pressurized air breather
9	Cover's O-ring	19	Filler cap
10	Closing cap	20	Cover's fixing screws

When ordering spare parts, always specify the reference number, the filter code and quantity.
Example: Spare parts pos. 9 - HHD10004 - Q.ty 3

08/11.2024

HOW TO ORDER A COMPLETE FILTER HF 554-10 / 20

1	2	3	4	5	6	7	8
HF 554 -	20.122 -	AS -	FG010 -	B17 -	GG -	B -	S -	Z -

9	10	11	12	13	14	15
XA -	GA -	M -	YC -	GC -	A -	K

1 Filter type	CODE
See table from pag. 20 to pag. 21	HF 554..

2 Filtering surface	CODE
Standard	AS
Oversize	FS

3 Degree of filtration	CODE
3 [µm] Micro-fibre glass	FG003
6 [µm] Micro-fibre glass	FG006
10 [µm] Micro-fibre glass	FG010
25 [µm] Micro-fibre glass	FG025
25 [µm] Stainless steel wire mesh	MI025
60 [µm] Stainless steel wire mesh	MI060
125[µm] Stainless steel wire mesh	MI125
90 [µm] Steel wire mesh	MS090
10 [µm] Cellulose	SP010
25 [µm] Cellulose	SP025
10 [µm] Reinforced cellulose	RP010
25 [µm] Reinforced cellulose	RP025

4 By-pass setting valve	CODE
With By-pass setting valve 25 [psi] (1,7 [bar])	B17
With By-pass setting valve 51 [psi] (3,5 [bar])	B35

5 Inlet port	CODE
GAS threads (BSPP)	
G 3/8	GC
G 1/2	GD
G 3/4	GE
G 1	GF
G 1 1/4	GG
NPT threads	
3/8	NC
1/2	ND
3/4	NE
1	NF
1 1/4	NG
SAE threads ODT	
3/8	OA
1/2	OB
3/4	OD
1	OF
1 1 /4	OG

6 Seals	CODE
Buna	B
Viton	V

7 Air breather	CODE
Without	C
With breather and filter 10 [µm]	S
With breather and filter 40 [µm]	U
With pressurized breather 4.4 psi(0,3 bar) and filter 40 [µm]	J
With pressurized breather 4.4 psi(o,3 bar), pressurized suction -0.4 psi(0,03 bar) and filter 40 [µm]	W

8 Magnetic set	CODE
Without	Z
With magnetic set	R

9 Indicators arranged	CODE
Without	XN
On the housing - right (1)	XA
On the housing - left (2)	XB
On the cover (3)	XD

10 Indicator's ports dimensions	CODE
GAS Threads (BSPP)	
G 1/8	GA
G 1/8 with plug	DA

11 Indicators	CODE
Without	G
Manometer - rear connection	M
Manometer - radial connection	N
Visual indicator	P
Electrical indicator	S

12 Secondary ports	CODE
Without	YN
On the housing - right (1)	YA
On the housing - left (2)	YB
On the housing - front-left (5) (only for HF 554-20)	YC
On the cover (4)	YD

13 Secondary ports dimensions	CODE
G 1/4	GB
G 3/8	GC
G 1/2	GD

14 Antisplash	CODE
Without	O
With Antisplash (only for HF 554-20)	A

15 Accessories	CODE
Without	K
With diffuser	D
With bowl extension(ex. bowl extension lenght 150=P150)	P...
With level dipstick(ex. level dipstick lenght 175=L175)	L...

Standard On request

08/11.2024

HOW TO ORDER A COMPLETE FILTER HF 554-30 / 40

1	2	3	4	5	6	7	8
HF 554 -	30.195 -	AS -	FG010 -	B17 -	GG -	B -	H -	Z -

9	10	11	12	13	14
XA -	GA -	M -	YD -	GE -	K

1	Filter type	CODE
	See table from pag. 22 to pag. 23	HF 554..

2	Filtering surface	CODE
	Standard	AS
	Oversize	FS

3	Degree of filtration	CODE
	3 [µm] Micro-fibre glass	FG003
	6 [µm] Micro-fibre glass	FG006
	10 [µm] Micro-fibre glass	FG010
	25 [µm] Micro-fibre glass	FG025
	25 [µm] Stainless steel wire mesh	MI025
	60 [µm] Stainless steel wire mesh	MI060
	125[µm] Stainless steel wire mesh	MI125
	90 [µm] Steel wire mesh	MS090
	10 [µm] Cellulose	SP010
	25 [µm] Cellulose	SP025
	10 [µm] Reinforced cellulose	RP010
	25 [µm] Reinforced cellulose	RP025

4	By-pass setting valve	CODE
	With By-pass setting valve 25 [psi] (1,7 [bar])	B17
	With By-pass setting valve 51 [psi] (3,5 [bar])	B35

5	Inlet port	CODE
	GAS threads (BSPP)	
	G 1	GF
	G 1 1/4	GG
	G 1 1/2	GH
	G 2	GL
	NPT threads	
	1	NF
	1 1/4	NG
	1 1/2	NH
	2	NL
	SAE threads ODT	
	1	OF
	1 1/4	OG
	1 1/2	OH
	2	OI

6	Seals	CODE
	Buna	B
	Viton	V

7	Filler cap	CODE
	Without	H
	With filler cap	L

8	Magnetic set	CODE
	Without	Z
	With magnetic set	R

9	Indicators arranged	CODE
	Without	XN
	On the housing - right (1)	XA
	On the housing - left (2)	XB
	On the cover (3)	XD

10	Indicator's ports dimensions	CODE
	GAS threads (BSPP)	
	G 1/8	GA
	G 1/8 with plug	DA

11	Indicators	CODE
	Without	G
	Manometer - rear connection	M
	Manometer - radial connection	N
	Visual Indicator	P
	Electrical indicator	S

12	Secondary ports	CODE
	Senza	YN
	On the housing - right (1)	YA
	On the housing - left (2)	YB
	On the cover (4)	YD

13	Secondary ports dimensions	CODE
	G 3/8	GC
	G 1/2	GD
	G 3/4	GE
	G 1 (only for HF 554-40)	GF
	G 1 1/4 (only for HF 554-40)	GG

14	Accessories	CODE
	Without	K
	With diffuser	D
	With bowl extension(ex. bowl extension lenght 150=P150)	P...
	With level dipstick(ex. level dipstick lenght 175=L175)	L...

Standard On request

08/11.2024

HOW TO ORDER A REPLACEMENT ELEMENT

	1		2		3		4		5		6
HE K02	- 20.201	-	AS	-	FG010	-	VM	-	B17	-	B

1	Element type	CODE
	See table pag. 24	HE K02..

2	Filtering surface	CODE
	Standard	AS
	Oversize	FS

3	Degree of filtration	CODE
	3 [µm] Micro-fibre glass	FG003
	6 [µm] Micro-fibre glass	FG006
	10 [µm] Micro-fibre glass	FG010
	25 [µm] Micro-fibre glass	FG025
	25 [µm] Stainless steel wire mesh	MI025
	60 [µm] Stainless steel wire mesh	MI060
	125[µm] Stainless steel wire mesh	MI125
	90 [µm] Steel wire mesh	MS090
	10 [µm] Cellulose	SP010
	25 [µm] Cellulose	SP025
	10 [µm] Reinforced cellulose	RP010
	25 [µm] Reinforced cellulose	RP025

4	By-pass valve	CODE
	With valve	VM

5	By-pass setting valve	CODE
	With By-pass setting valve 25 [psi] (1,7 [bar])	B17
	With By-pass setting valve 51 [psi] (3,5 [bar])	B35

6	Seals	CODE
	Buna	B
	Viton	V

Standard

On request

08/11.2024

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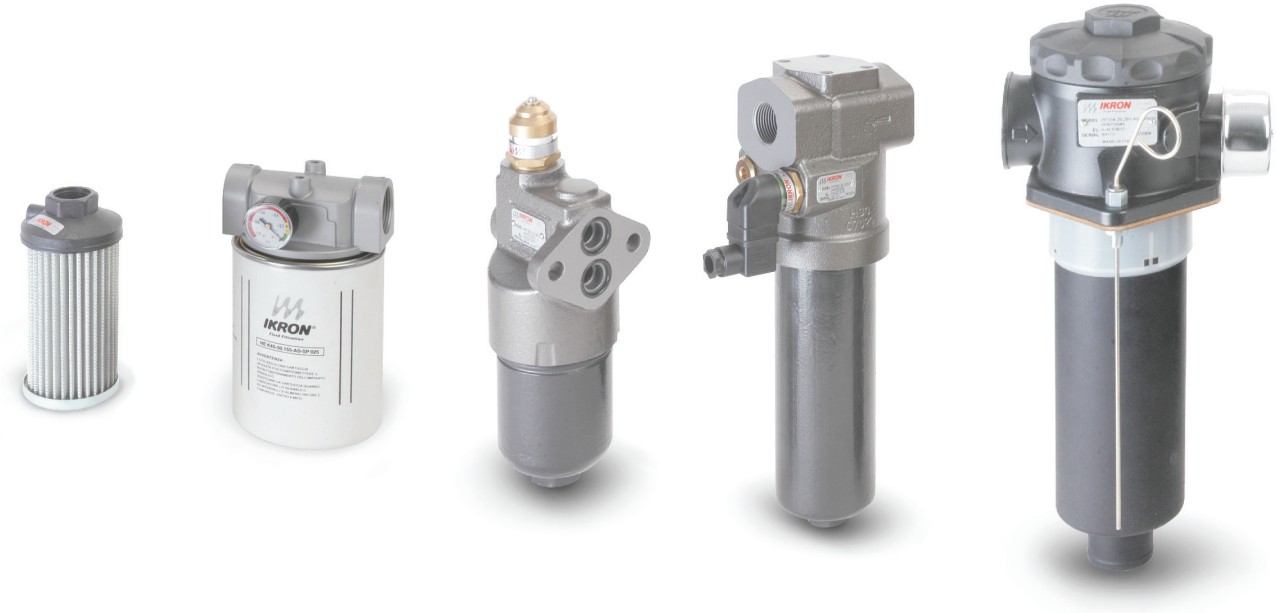

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HF 431
HF 434
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HF 620
HF 625
HF 650

In line medium and high pressure filters
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HF 705
HF 710
HF 725
HF 735
HF 745
HF 760
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IKRON S.r.l.
Via Prampolini, 2 - 43044 Lemignano di Collecchio - Parma - Italy
Tel.: + 39 0521 304911 - Fax: + 39 0521 304900
Videoconferecing IP
www.ikron.it
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