

ROL

1 MPa (10 bar)

Port sizes: 1" 1/2 - 2" 1/2

Flow rates: 150 - 1.000 l/min

TECHNICAL DATA

Max. working pressure: 1 MPa (10 bar)

Max. testing pressure: 2 MPa (20 bar)

Bursting pressure: 3 MPa (30 bar)

Bypass valve: Δp 150 kPa (1,5 bar) \pm 0,2

Filter elements collapse pressures: Δp 1 MPa (10 bar)

Working temperature: $-25 \div +110^{\circ}\text{C}$

MATERIALS

Head and cover: aluminium

Element support: size 240 polyamide
size 340 aluminium

Housing: steel

Magnetic core: sinterized magnetic material

Bowl: steel

Seals: standard NBR
on request FKM

COMPATIBILITY (ISO 2943:1999)

Full with fluids: HH-HL-HM-HV-HTG
(according to ISO 6743/4).

For fluids different than the above mentioned,
please contact our Sales Department.

All tests performed according
to the following standards:

ISO 2941: Element collapse resistance test

ISO 2942: Production integrity test

ISO 2943: Fluids compatibility

ISO 3723: End load test method

ISO 3724: Flow fatigue resistance method

ISO 3968: Pressure drop versus flow rate

ISO 16889: Multipass test.

For further information contact our Technical Dept.

ROL	Type			Type	CRC
		240	340		

Filter media			Filter media
FC = 7µm _(c)	FC	FC	FC = 7µm _(c)
FD = 12µm _(c) Inorganic fiber β>1000	FD	FD	FD = 12µm _(c) Inorganic fiber β>1000
FV = 21µm _(c)	FV	FV	FV = 21µm _(c)
CD = 10µ Paper	CD	CD	CD = 10µ Paper
RT = 30µ	RT	RT	RT = 30µ
MS = 60µ Steel wire mesh	MS	MS	MS = 60µ Steel wire mesh
MN = 90µ	MN	MN	MN = 90µ

Seals			Seals
1 = NBR Nitrile	1	1	1 = NBR Nitrile

Bypass type		
S = Without	S	S
F = 150 kPa (1,5 bar)	F	F

Ports		
B = BSP thread	B	-
N = NPT thread	N	-
S = SAE thread	S	-
F = SAE flange 3000 psi	F	F

Port size		
7 = 1" 1/2	7	-
9 = 2" 1/2	-	9

Indicators		
03 = Port, plugged	03	03
5B= Visual differential 130 kPa (1,3 bar)	5B	5B
6B= Electrical differential 130 kPa (1,3 bar)	6B	6B
7B= 6B with LED	7B	7B
T0= Elec.130 kPa (1,3 bar) with thermostat 30°C	T0	T0

Indicator 70
on request only

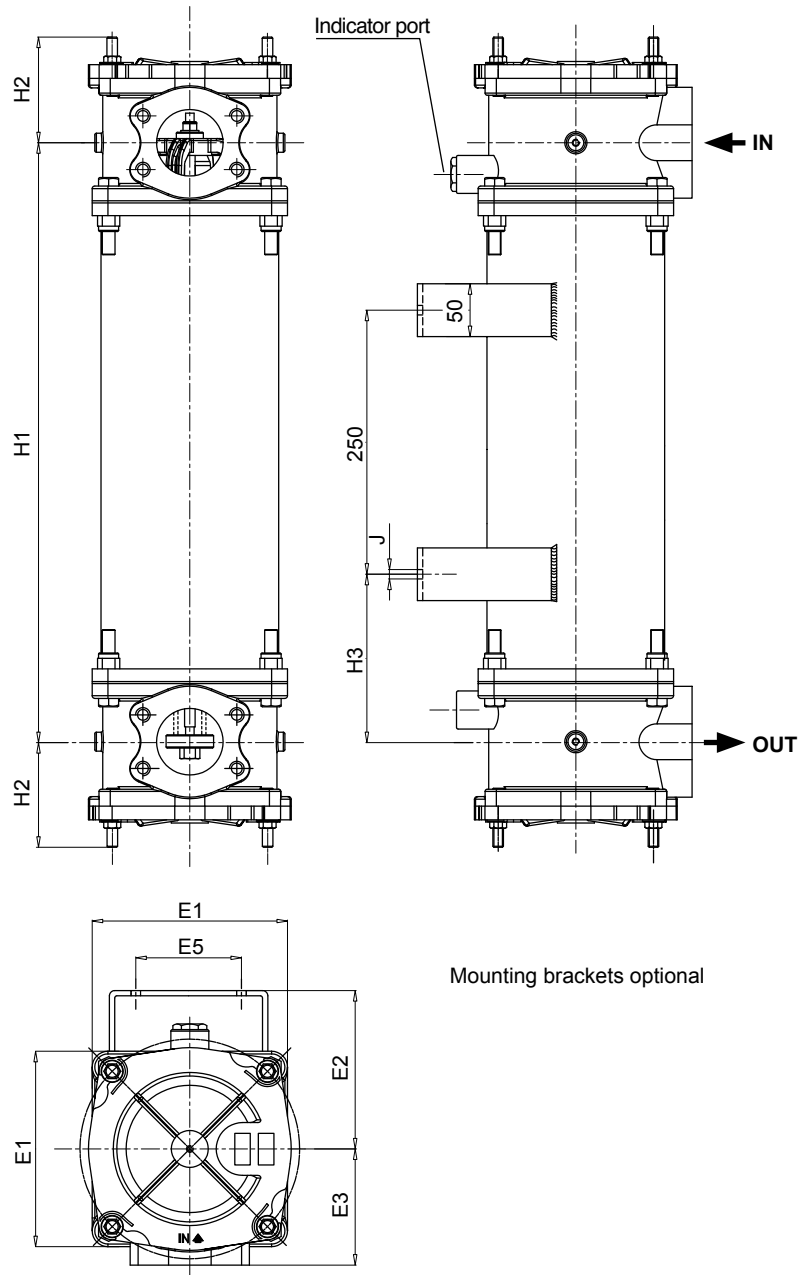
When the filter is ordered with FKM seals, the first digit of the indicator code is a letter (please see page 188-189).

Accessories		
S = No magnetic core	S	S
M= With magnetic core	M	M

Accessories		
S = No accessory	S	S
B = With mounting brackets	B	B

DIMENSIONAL LAYOUT

(mm)



Mounting brackets optional

Type	Port Size	E1	E2	E3	E5	H1	H2	H3	R	Weight (Kg)
ROL 240	1" 1/2	150	132	90	70	513	82	130	580	18,0
ROL 340	2" 1/2	185	150	110	100	568	93	160	620	19,6

CLOGGING INDICATORS

NBR	FKM	Differential VISUAL indicator	Recommended tightening torque 90 Nm
5B	AB	Setting 130 kPa (1,3 bar)	
6B	CB	Setting 130 kPa (1,3 bar)	
<p>SPDT differential switch. C.C. 14 - 30 V: > max resistive or inductive load 4 - 3 A respectively C.A. 125-250 V: > max resistive or inductive load 1 A - Protection IP65 - Connector DIN 43650</p>			Recommended tightening torque 90 Nm
7B	EB	Setting 130 kPa (1,3 bar)	
<p>SPDT differential switch. C.C. 14 - 30 V: > max resistive or inductive load 4 - 3 A respectively C.A. 125-250 V: > max resistive or inductive load 1 A - Protection IP65 - Connector DIN 43650</p>			Recommended tightening torque 90 Nm
T0	DB	Setting 130 kPa (1,3 bar)	
<p>SPDT differential switch. C.C. 14 - 30 V: > max resistive or inductive load 4 - 3 A respectively C.A. 125-250 V: > max resistive or inductive load 1 A - Protection IP65 - Connector DIN 43650</p>			Recommended tightening torque 90 Nm
70	E0	Setting 130 kPa (1,3 bar)	
<p>SPDT differential switch. C.C. 14 - 30 V: > max resistive or inductive load 4 - 3 A respectively C.A. 125-250 V: > max resistive or inductive load 1 A - Protection IP65 - Connector DIN 43650</p>			Recommended tightening torque 90 Nm

FLOW RATES

(l/min)

Type	Filter Media						
	FC	FD	FV	CD	RT	MS	MN
ROL 240	160	240	300	300	400	400	400
ROL 340	250	380	600	600	1000	1000	1000

The reference fluid has a kinematic viscosity of 30 cSt and a density of 0,86 Kg/dm³.
For different oil viscosity please contact our Sales Department for further information.

DIRT HOLDING CAPACITY

(g) ISO MTD $\Delta p = 170$ kPa (1,7 bar)

Type	Filter Media		
	FC	FD	FV
CRC 240	85,1	92,9	137,6
CRC 340	112,3	122,5	181,7

FILTER AREA

(cm²)

Filter Media			
RT	CD	MN	MS
3670	11800	3670	3670
5250	15400	5250	5250