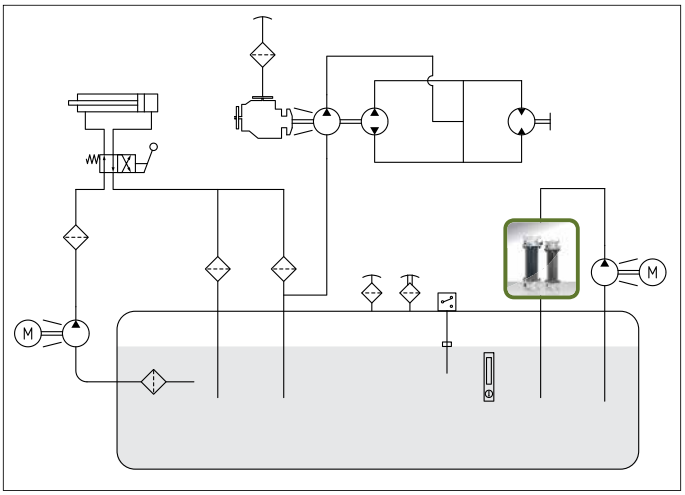
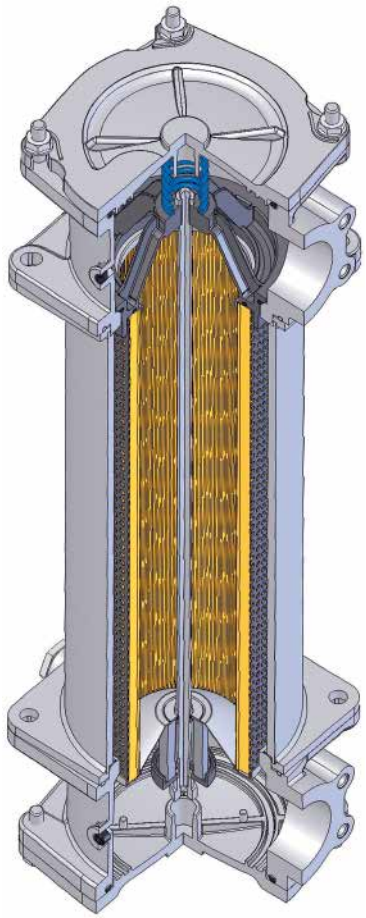
ROL

OFF-LINE FILTER, INSIDE TO OUTSIDE FILTRATION

SOFIMA FILTERS
HYDRAULIC





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) ± 0,2
Filter elements collapse pressures: Δp 1 MPa (10 bar)
Working temperature: -25 ÷ +110°C

MATERIALS
Head and cover: aluminium
Element support: size 240 polyamide
size 340 aluminium
Housing: steel
Magnetic core: syntherized 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.

HOW TO ORDER THE COMPLETE FILTER

HOW TO ORDER THE FILTER ELEMENT

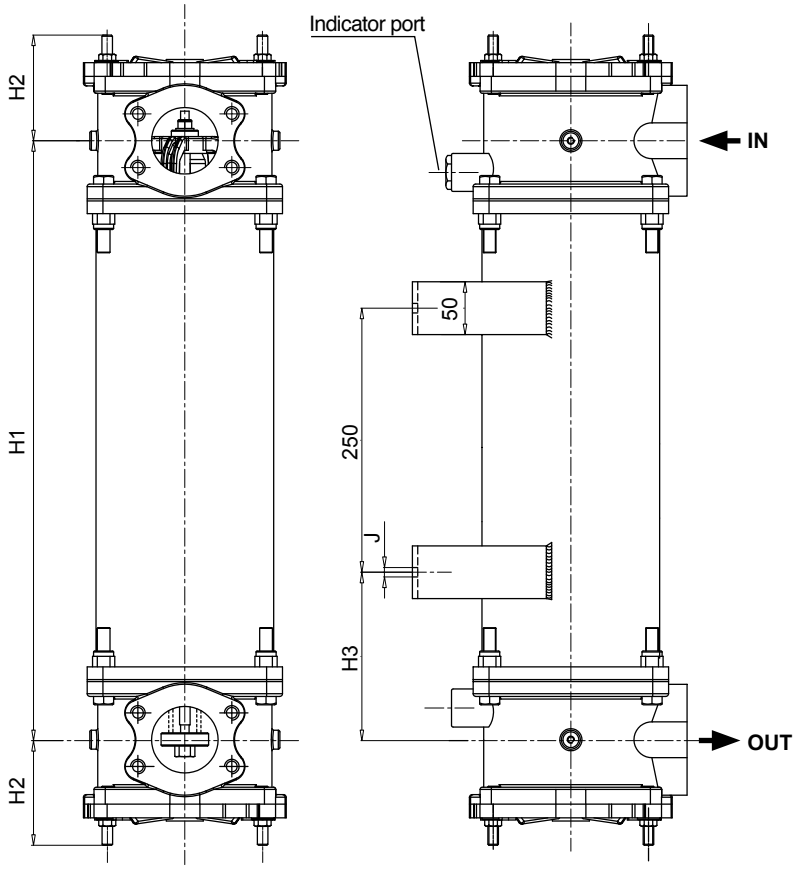
ROL	Type		240	340	Type	CRC
	Filter media				Filter media	
	FC = 7µm(c)		FC	FC	FC = 7µm(c)	
	FD = 12µm(c)	Inorganic fiber ß>1000	FD	FD	FD = 12µm(c)	Inorganic fiber ß>1000
	FV = 21µm(c)		FV	FV	FV = 21µm(c)	
	CD = 10µ	Paper	CD	CD	CD = 10µ	Paper
	RT = 30µ		RT	RT	RT = 30µ	
	MS = 60µ	Steel wire mesh	MS	MS	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		
	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		

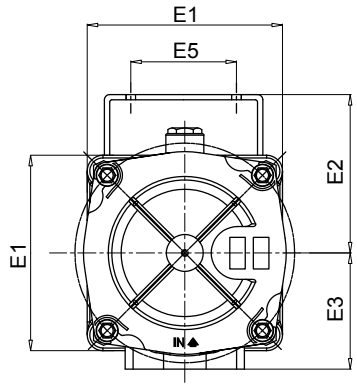
Indicator 70 on request only

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

DIMENSIONAL LAYOUT

(mm)





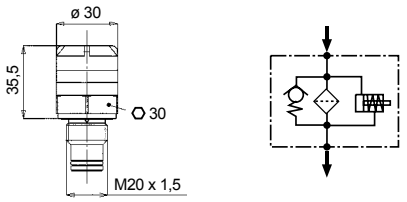
Mounting brackets optional

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
5B	AB	Setting 130 kPa (1,3 bar)

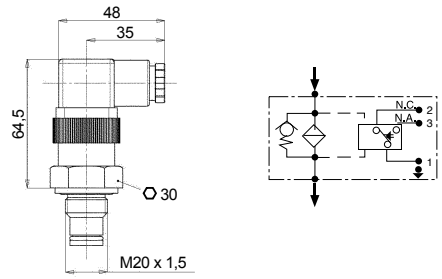
Recommended tightening torque 90 Nm



NBR	FKM	Differential ELECTRICAL indicator
6B	CB	Setting 130 kPa (1,3 bar)

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

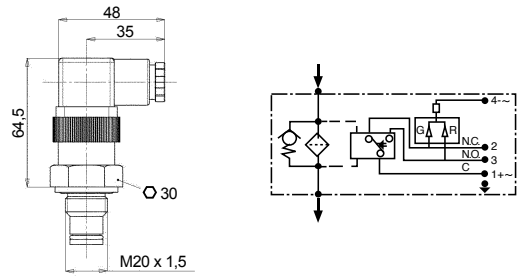
Recommended tightening torque 90 Nm



NBR	FKM	Differential ELECTRICAL indicator with LED (24V) for visual indication
7B	EB	Setting 130 kPa (1,3 bar)

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

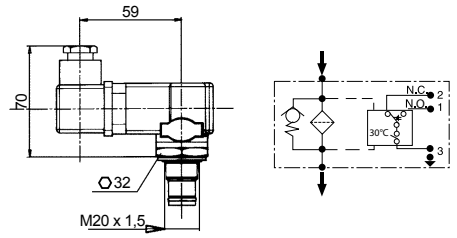
Recommended tightening torque 90 Nm



NBR	FKM	Differential ELECTRICAL indicator with THERMOSTAT 30°C
T0	DB	Setting 130 kPa (1,3 bar)

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

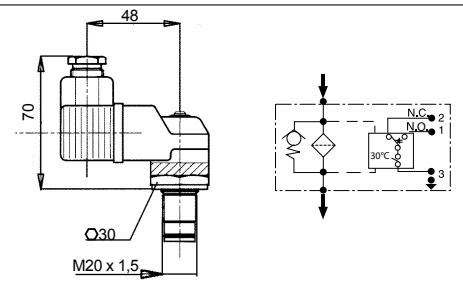
Recommended tightening torque 90 Nm



NBR	FKM	Differential VISUAL ELECTRICAL indicator
70	E0	Setting 130 kPa (1,3 bar)

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

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/dm^3.
For different oil viscosity please contact our Sales Department for further information.

DIRT HOLDING CAPACITY

(g) ISO MTD Δp = 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

(cm^2)

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