# HL84M, HL84C - Lubricators For Extreme Temperature Applications Excelon® Plus Modular System

> **Port size: 3/8" ... 3/4" (ISO G/PTF)**

> **Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products**

> **Flow sensor provides a nearly constant oil/air ratio over a wide range of flows**

> **Double safety lock bowl**

> **Metal bowl with prismatic liquid level indicator lens**

> **All round (360°) visibility of sightdome for ease of drip rate setting**

> **Choice of two oil delivery systems**

> **Salt Spray compliant to ISO 9227**

> **ABS cover with High impact properties**

+80°C (+175°F)
-34°C (-29°F)
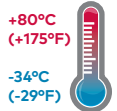
Technical features

Medium:
Compressed air only
Maximum supply pressure:
Metal bowl: 20 bar (290 psi)
Bowl
0,2 litre

Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/4 PTF
Flow:
Micro-fog : 73 dm³/s
Oil-fog: 91 dm³/s at port size:
1/2", operating pressure: 6,3 bar
(91 psi) and Δp: 0,5 bar (7.25 psi)
Start point:
0,94 dm³/s

Ambient/Media temperature:
-34 ... 80°C (-29 ... +175°F)
Air supply must be dry enough
to avoid ice formation at
temperatures below +2°C
(+35°F).

Materials:
Metal Bowl: Die cast Aluminium
with PA liquid level indicator
lens
Body: Die cast aluminium
Body cover:
ABS (Magnum 3904)
Sightdome: Transparent PA
Bowl O-ring:
Low temperature Nitrile
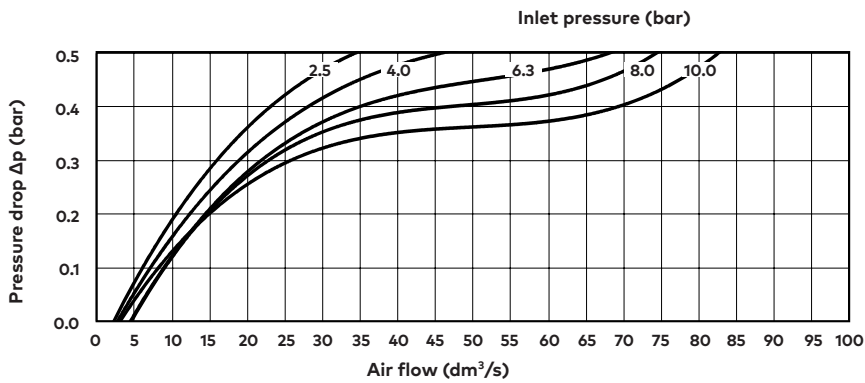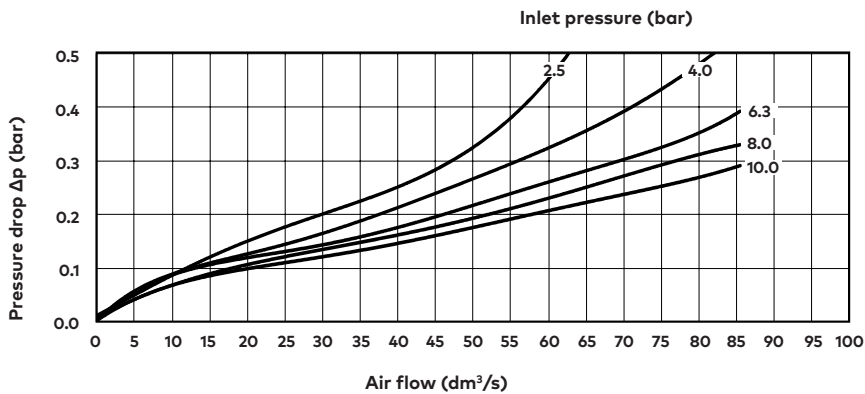Elastomers:
Low temperature Nitrile

Technical data HL84 - standard models

Symbol	Port size	Lubricator type	Bowl	Weight (kg)	Model
	G3/8	Micro fog	Metal with level indicator	0,53	HL84M-3GP-EDN
	G1/2	Micro fog	Metal with level indicator	0,53	HL84M-4GP-EDN
	G3/4	Micro fog	Metal with level indicator	0,53	HL84M-6GP-EDN
	G3/8	Oil fog	Metal with level indicator	0,53	HL84C-3GP-EDN
	G1/2	Oil fog	Metal with level indicator	0,53	HL84C-4GP-EDN
	G3/4	Oil fog	Metal with level indicator	0,53	HL84C-6GP-EDN

Option selector

Type	Substitute
Oil fog lubricator	C
Micro fog lubricator	M
Port size	**Substitute**
3/8"	3
1/2"	4
3/4"	6

Thread form	Substitute
PTF	A
ISO G parallel (standard)	G

Flow characteristics

Micro fog
Port size: 1/2"

Inlet pressure (bar)

Oil fog
Port size: 1/2"

Inlet pressure (bar)

Flow characteristics

Micro fog
Port size: 3/8"

Inlet pressure (bar)

Oil fog
Port size: 3/8"

Inlet pressure (bar)

Accessories

Wall mounting bracket	Quikclamp®	Quikclamp® with bracket assembled	Pressure sensing block 1/4 PTF	Pressure sensing block G1/4
Page 6	Page 6	Page 6	Page 6	Page 6
840024-50KIT	H840014-51KIT	H840014-52KIT	H840016-50KIT	H840016-51KIT

Full flow porting block 3/4" PTF	Full flow porting block G3/4	Full flow porting block 3/4" PTF	Full flow porting block G3/4	Port Adaptors
Page 6	Page 6	Page 6	Page 6	Page 7
H840028-50KIT	H840028-53KIT	H840028-68KIT	H840028-69KIT	

Port Adaptors	
3/8 PTF	H840015-02KIT
1/2 PTF	H840015-03KIT
3/4 PTF	H840015-04KIT
G3/8	H840015-10KIT
G1/2	H840015-11KIT
G3/4	H840015-12KIT

Pressure switch interface block (18D pressure switch) G1/4

Page 8

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Pressure switch 18D (0,5 … 8bar) *4	Digital pressure switch 51D (-1 … 10 bar) *2
Page 8	Page 8
0881300	0860810

*2) -20 … +60°C (-4 … +140°F)

*4) -10°.. +85°C (-14° …+185°F)

Quick fill nipple

18-011-024

Lubricator sight dome kit

Micro fog (red)	840055-50KIT
Oil fog (green)	840055-51KIT

Dimensions

Plugged bowl

50

29

212

161

25

1

2

72

36

36

70

1 Main ports 3/8", 1/2" or 3/4"
(ISO G/PTF)
2 Metal bowl with liquid level indicator lens

Accessories

Quikclamp® with wall bracket
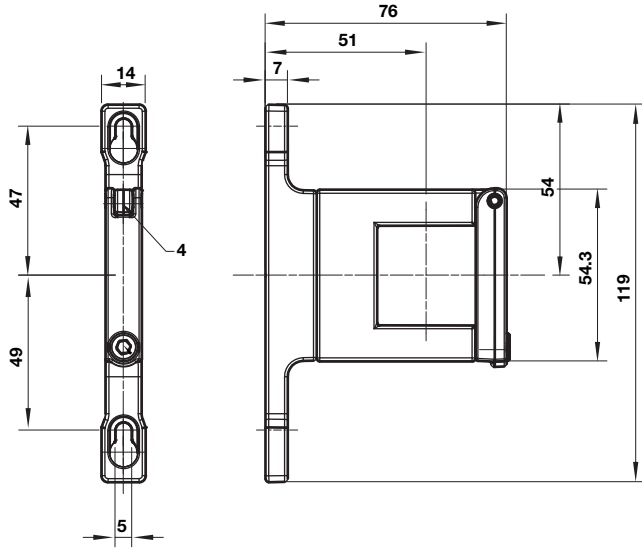
Quikclamp®
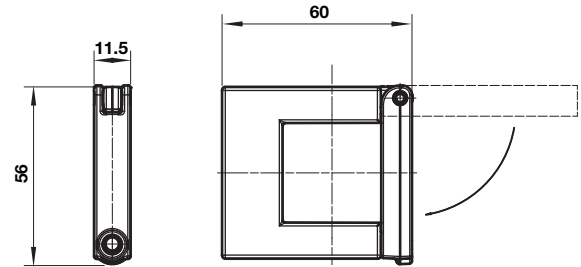
Mounting bracket
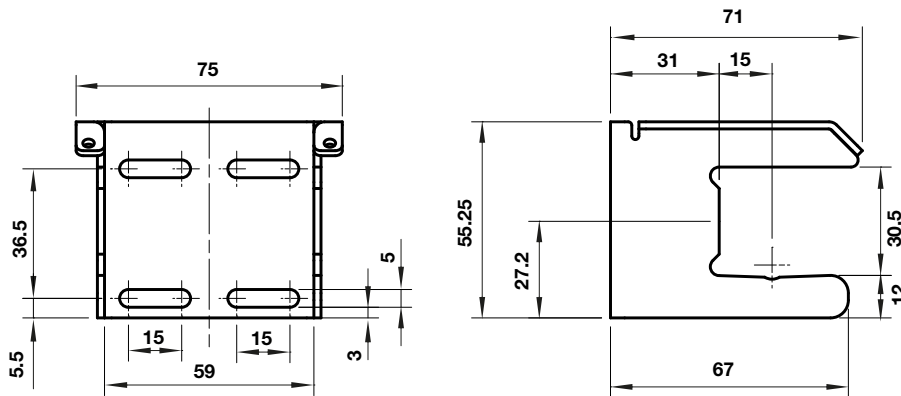
Pressure sensing block
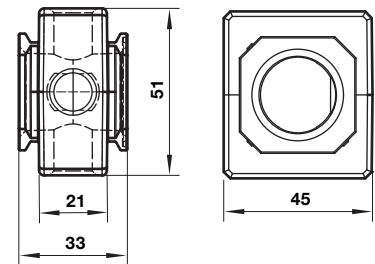
Full flow porting block horizontal
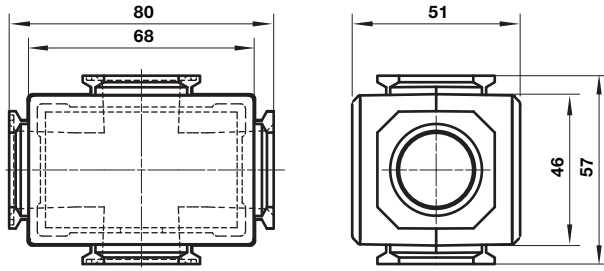
Full flow porting block vertical

80
68
51
46
57

80
68
51
46
57
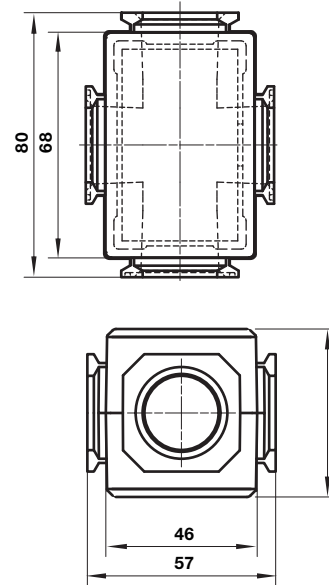
Porting block for 18D pressure switch

18D Pressure switch

40
32
44
G1/2
40

18 A/C
45
28
35
72
30
5
30
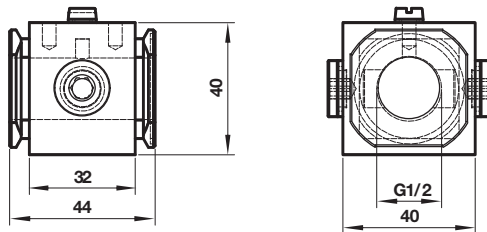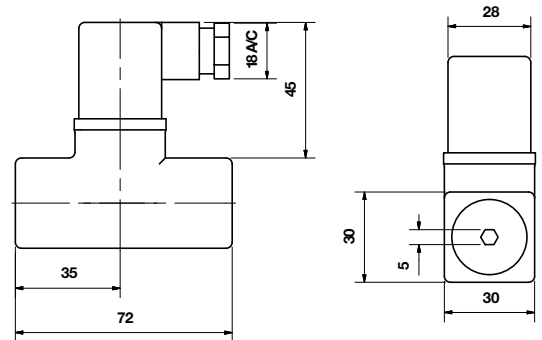
18D Porting block and 18D assembled

Pipe adaptor

G 1/4
40
57
32
44
40

38.5
38.5
18

NORGREN
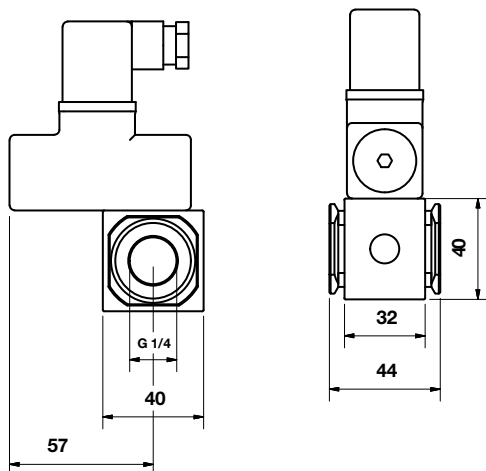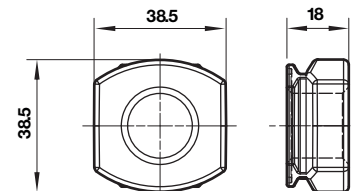
51D Pressure switch - digital

1 Switch OUT 1, green LED
2 Switch OUT 2, red LED
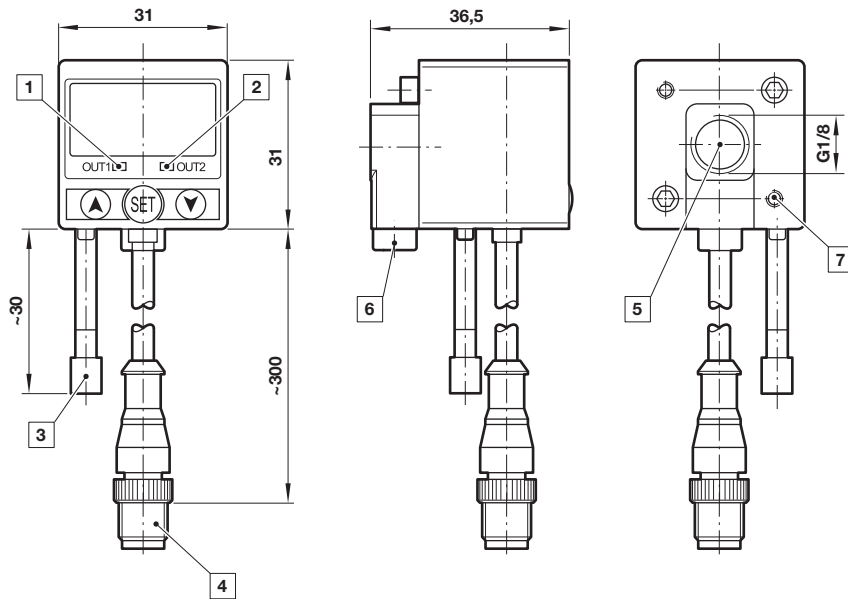**3** Dustproof protector
4 Connector M12 x 1
5 Inlet port
6 Alternative inlet port G1/8 plugged
7 Thread for mounting screw

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.