L82M, L82C - Micro and Oil-fog lubricator Excelon® Plus Modular System

> Port size: 1/4" & 3/8" (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
> Light weight Polycarbonate bowl
> All round (360°) visibility of sightdome for ease of drip rate setting
> Choice of two oil delivery systems

Technical features

Medium: Compressed air only
Maximum operating pressure:
Polycarbonate bowl: 10 bar (145 psi)
Metal bowl: 17 bar (246 psi)
Port size:
G1/4, G3/8, 1/4 PTF, 3/8 PTF
Flow:
L82C: 26 dm³/s at port size 1/4"
L82C: 24 dm³/s at port size 3/8"
L82M: 22 dm³/s at port size 1/4"
L82M: 21 dm³/s at port size 3/8"
inlet pressure 145 psi (10.3 bar),
6.3 bar (91 psi) set pressure and
a Δp: 1 bar (14.5 psi) droop from set.
Start point:
Oil-fog L82C: 0.5 dm³/s
Micro-fog L82M: 1.2 dm³/s

Ambient/Media temperature:
Polycarbonate bowl:
-10 ... +60°C (14 ... +140°F)
Metal bowl:
-20 ... +65°C (-4 ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Transparent Bowl: Polycarbonate with Polypropylene Guard.
Metal Bowl: Die cast Zinc with PA liquid level indicator lens
Body: Die cast Zinc
Body cover: ABS
Sightdome: Transparent PA
Bowl ‘O’ ring: Chloroprene Elastomers: NBR

Technical data L82—standard models

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port Size</th>
<th>Lubricator type</th>
<th>Bowl</th>
<th>Weight (kg)</th>
<th>Model</th>
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<tbody>
<tr>
<td>G1/4</td>
<td>Micro-fog</td>
<td>Guarded polycarbonate</td>
<td>0.22</td>
<td>L82M-2GP-EPN</td>
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Option selector

<table>
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<tr>
<td>Oil-fog lubricator</td>
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<tr>
<td>Micro-fog lubricator</td>
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<table>
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<tr>
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<tr>
<td>3/8&quot;</td>
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<th>Substitute</th>
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<tr>
<td>PTF</td>
<td>A</td>
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<tr>
<td>ISO G</td>
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Flow characteristics

L82M Port size: 1/4"

L82M Port size: 3/8"

L82C Port size: 1/4"

L82C Port size: 3/8"
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Dimensions

1. Minimum clearance for bowl removal
2. Main ports 1/4", 3/8" (ISO G/PTF)
3. Transparent bowl with guard
4. Metal bowl with liquid level indicator lens

Dimensions in mm
Projection/First angle
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Porting block for 18D pressure switch

18D Pressure switch

Dimensions in mm
Projection/First angle

18D Porting block and 18D assembled

Pipe adaptor

Connector 84-82 Series
**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.