

Fig. 1

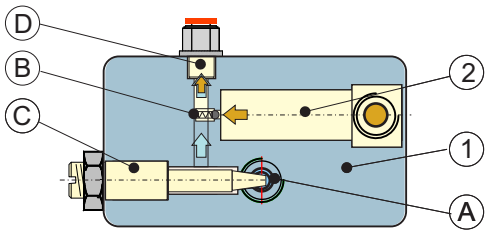
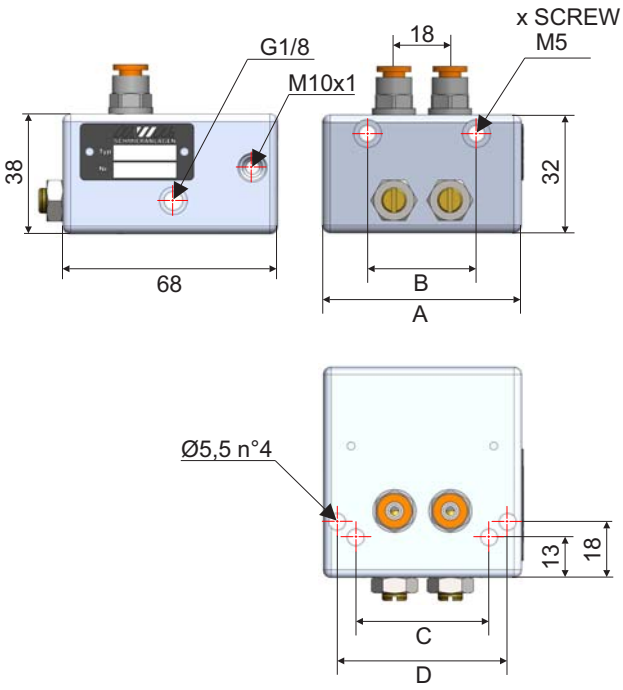


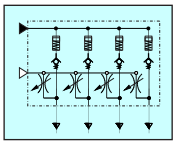
Fig. 2



Outlets	A	B	C	D	Weight
2	64	35	43	55	0,6 kg
4	104	72	77	95	0,8 kg
6	140	120	111	130	1 kg

Fig. 3

MVE-A Oil-Air Mixer



Application:
In the oil-air lubrication system for the creation of the lubricant mixture. The precise dosing of the lubricant is due to the special structural shape of the internal elements. Its compact construction simplifies installation and positioning.

- **Adjustment of air flow for each outlet**
- **Compact block**
- **Different versions for 1-2/3-4/5-6 outlets**
- **Optional optical sensor for each outlet**
- **Optional pressure sensor for each outlet**

Function:

The mixer MVE-A is substantially made up of an air-oil mixing group (1) with an oil dosing element (2). The air is fed from the main line (A) to the single air-oil channels (D) through adjusting screws (C) that establish the air flow for each lubrication point.
The oil quantity metered by the dosing element (2) through the check valve (B), is pushed by the air pressure inside the channel (D).
It is contemplated the optional use of external optical sensors for the functional check of the mixer.
Optional pressure sensors are also available, with which the pressure of oil-air mixture can be checked in the best way.
See accessories at page 2.

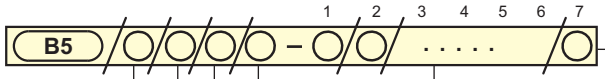
Technical data:

Lubricant:	mineral or synthetic oil
Viscosity:	ISO VG from 20 to 700
Dosing precision:	+0,+20% with 10 mm^3
	+0,+15% with 20 mm^3 and 30 mm^3
Max operating frequency:	(with 10 mm^3) max. 4 cycles/min
Operating oil pressure:	min. 20 ÷ max. 30 bar
Relief pressure:	< 1 bar
Operating air pressure:	min 0,5 ÷ max. 6 bar
Min. air flow per outlet:	15 l/min
Post de-aeration installation:	horizontal or vertical
Automatic de-aeration position:	as in fig. 2
Operating temperature:	+10 ÷ +50 °C
Material:	Aluminium

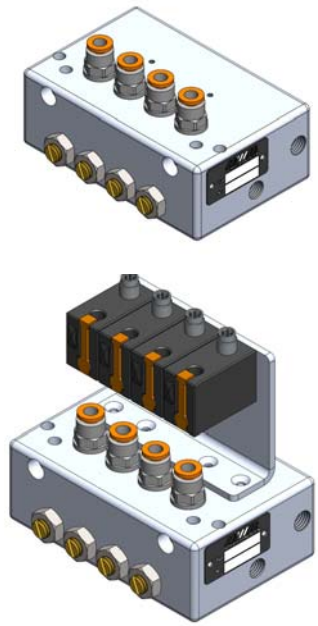
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Order designation:
Air-oil single line mixer MVE-A



Type	Outlets number	Air-oil outlets connections	Air inlet connection	Optical Sensor for each outlet	Metering element [mm³/cycle]	
MVE-A	① ② ③ ④ ⑤ ⑥	⓪ without ① Ø 4 ② Ø 6	⓪ without ① R1 ② RL31	⓪ without ① with	⓪ 0 ① 10 ② 20 ③ 30	⓪



Order example:
Air-oil mixer MVE-A, with 4 outlets, , with air-oil outlets connections 6 mm , without air inlet connection, with 4 optical sensors, with 2 metering elements 10 mm3, 2 elements 30 mm3.

Order designation: Air-oil mixer MVE-A B5 4/2/0/1 - 1/1/3/3/0

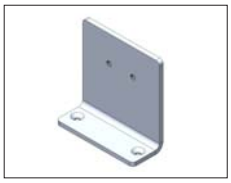


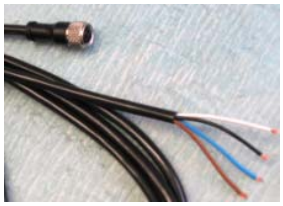
Air-oil outlets connections
Fig. 5



Air inlet connections
Fig. 6


Optical sensor IFX-C
Fig. 7


Fig. 8


Connection cable M8
Fig. 9


Connection cable M8
Fig. 10

Accessories: (to be ordered separately)	**Code**
Fittings	
Air/oil outlet:	Fig. 5
Rl31 4 1/8" adjustable for PA pipe Ø4	J877416
Rl31 6 1/8" adjustable for PA pipe Ø6	J877417
Rl31 8 1/8" adjustable for PA pipe Ø8	J877420
Rl1 4 1/8" for PA pipe Ø4	J847000
Rl1 6 1/8" for PA pipe Ø6	J847100
Rl1 6 1/8" for PA pipe Ø8	J847200
Air inlet:	Fig. 6
RL1 6 1/8" for PA pipe Ø6	J847100
RL1 8 1/8" for PA pipe Ø8	J847200
RL 31 6 1/8" adjustable for PA pipe Ø6	J877417
RL 31 8 1/8" adjustable for PA pipe Ø8	J877420
	Fig.7
Optical sensor for pipe Ø4 IFX-C04 std	N861121
Optical sensor for pipe Ø6 IFX-C06 std	N862121
	Fig.8
Support for optical sensors for 2 outlets	N828031
Support for optical sensors for 4 outlets	N828028
Support for optical sensors for 6 outlets	N828029
	Fig. 9
Cable with connector straight 4 poles M8 with cable 3 m PUR	N860060
	Fig. 10
Cable with connector straight 4 poles (3 connected) M8 with cable 3 m PUR	N860062

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