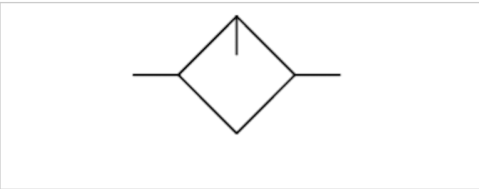
Micro oil-mist lubricator, Series NL4-LBM

- G 1/2
- Nominal flow Qn 4700 l/min



Type	Micro oil-mist lubricator, Can be assembled into blocks
Parts	Micro oil-mist lubricator
Mounting orientation	vertical
Compressed air connection	G 1/2
Working pressure min./max.	0,5 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Type of filling	Manual oil filling

Technical data

Part No.	Port	Nominal flow Qn	Lubricator reservoir volume	Material Reservoir	Protective guard
R412007655	G 1/2	4700 l/min	125 cm³	Polycarbonate	Steel
R412007654	G 1/2	4700 l/min	125 cm³	Polycarbonate	-
R412007657	G 1/2	4700 l/min	125 cm³	Polycarbonate	-
R412007658	G 1/2	4700 l/min	1000 cm³	Die cast zinc with window	-
R412007659	G 1/2	4700 l/min	1500 cm³	Die cast zinc with window	-

Part No.	Reservoir	Electrical level indicator	
R412007655	reservoir, polycarbonate, with metal protective guard	-	1)
R412007654	reservoir, polycarbonate, without protective guard	-	1)
R412007657	reservoir, polycarbonate, without protective guard	with internal query	-
R412007658	1.0 l metal reservoir with window	with internal query	-
R412007659	1.5 l metal reservoir with window	with internal query	-

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

1) Suitable for use in Ex zones 1, 2, 21, 22.

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Only approx. 10% of the preset drip quantity enters the compressed air system.
oil filling not possible during operation.
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

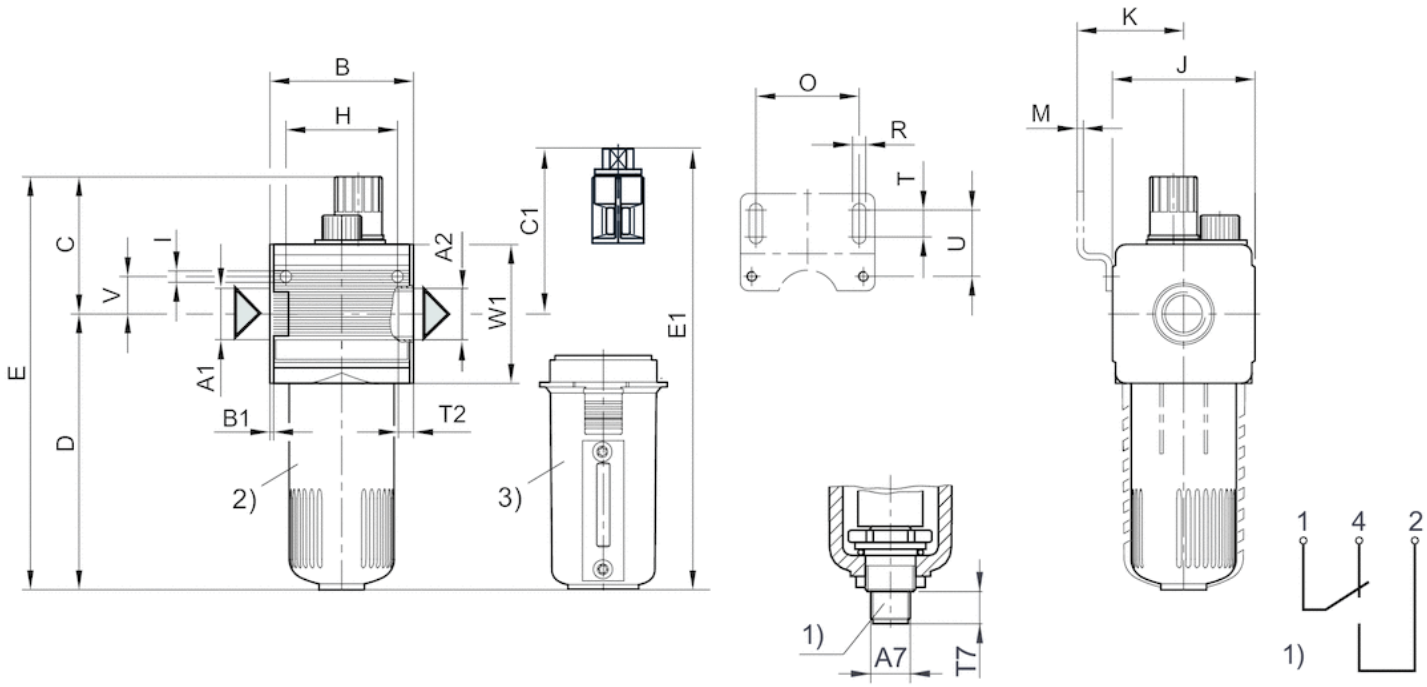
Oil dosing at 1000 l/min 10-20 drops

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Reservoir	Polycarbonate Die cast zinc
Protective guard	Steel

Dimensions

Dimensions



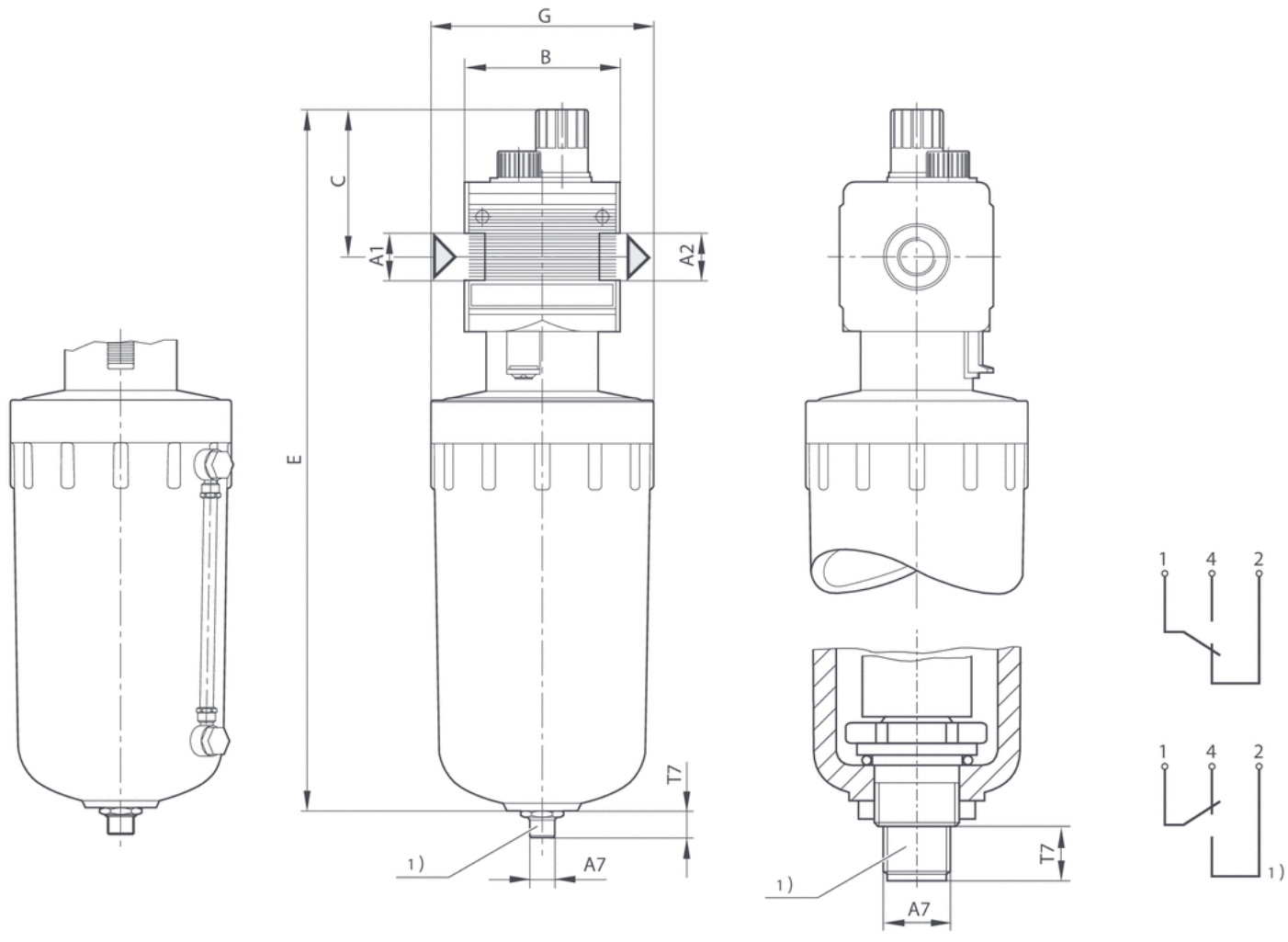
A1 = input
A2 = output
1) electrical level indicator
– connection: 4-pin, M12x1
– contact load: 50 V AC/0.5 A/5 W
– type: 1 change-over contact (make contact/break contact) for min. fluid level
Order valve plug connector (M12x1) separately
2) PC reservoir
3) Metal reservoir with level indicator

Dimensions in mm

A1	A2	A7	B	B1	C	C1	D	E	E1	H	I	J	K	M	O	P	R	S	T	T2	T7	U	V	W1
G 1/2	G 1/2	M12x1	69.5	1.8	65	81	132	197	212	54	5.5	67	54.5	3	50	20	6.4	10	13	13	12	33	18	67
G 1/2	G 1/2	M12x1	69.5	1.8	65	-	132	197	-	54	5.5	67	54.5	3	50	20	6.4	10	13	13	12	33	18	67

Dimensions

Fig. 3, Dimensions, Metal reservoir



A1 = input
A2 = output
1) electrical level indicator
– connection: 4-pin, M12x1
– contact load: 50 V AC/0.5 A/5 W
– type: 1 change-over contact (make contact/break contact) for min. fluid level

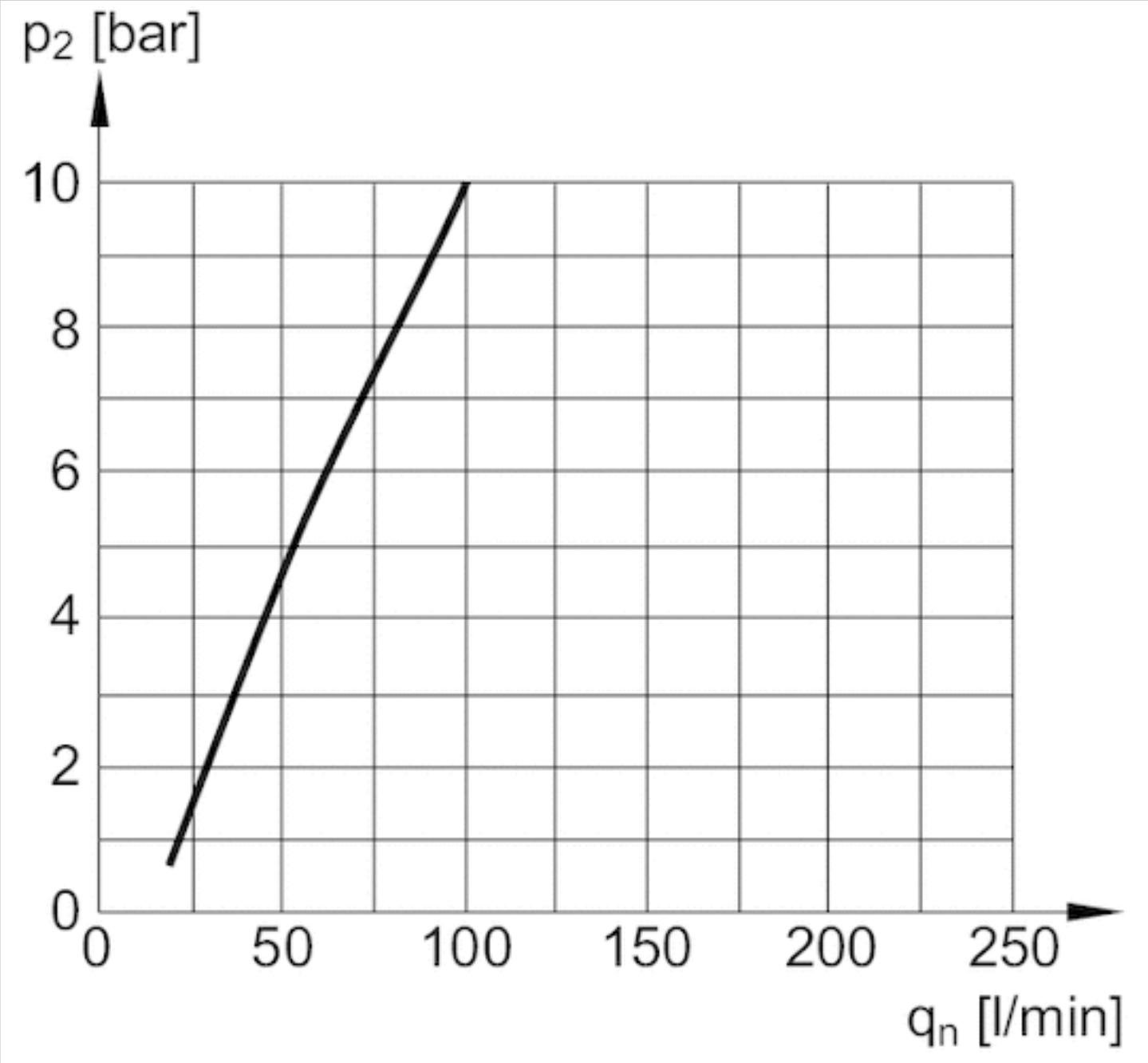
Order valve plug connector (M12x1) separately

Dimensions in mm

A1		A2	A7	B ±5	C ±5	E	G ±5	T7
G 1/2	1 L	G 1/2	M12x1	69.6	66	315	Ø 100	12
G 1/2	1,5 L	G 1/2	M12x1	69.6	66	415	Ø 100	12

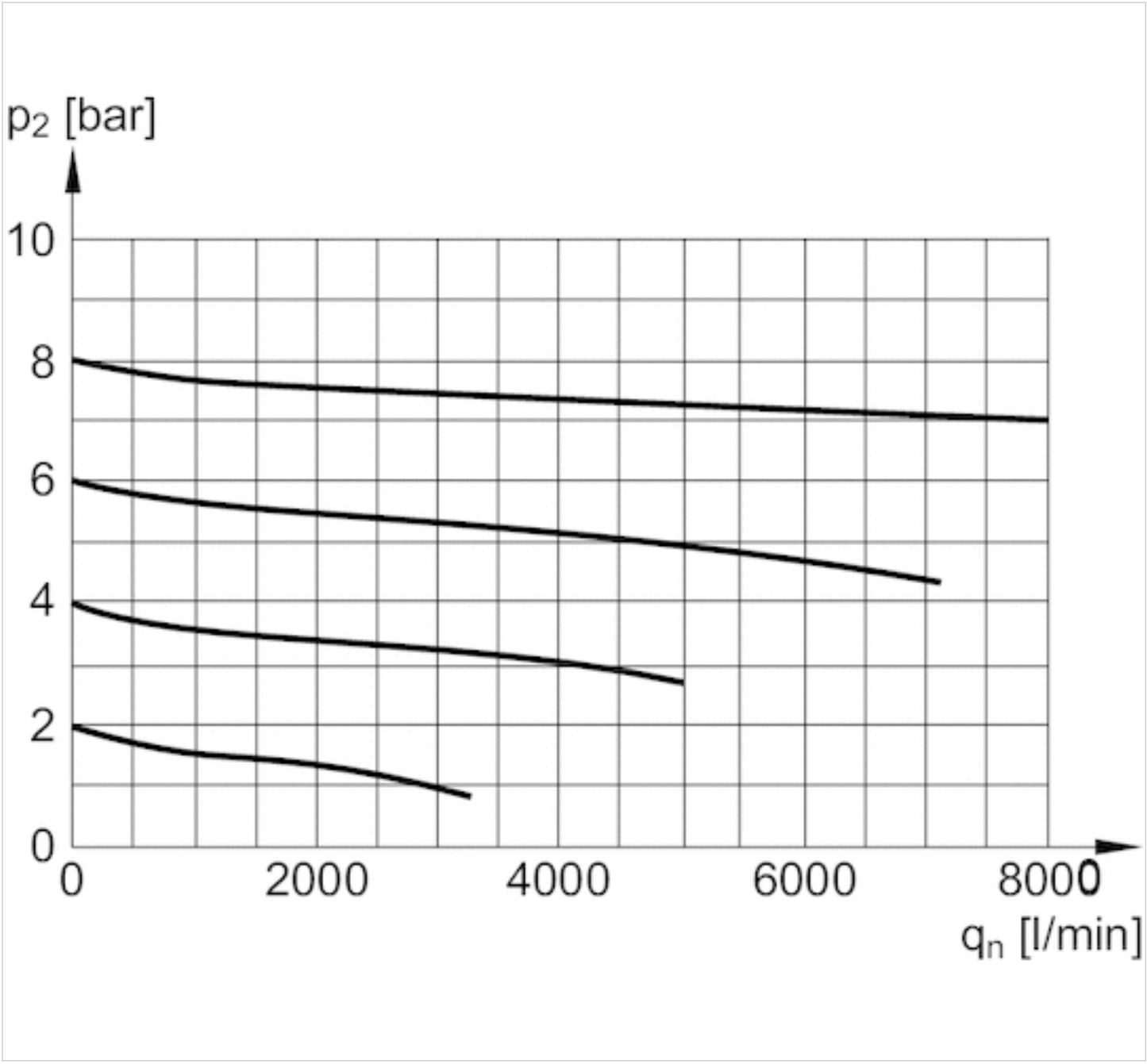
Diagrams

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p2 = secondary pressure
qnmin. = min. nominal flow

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

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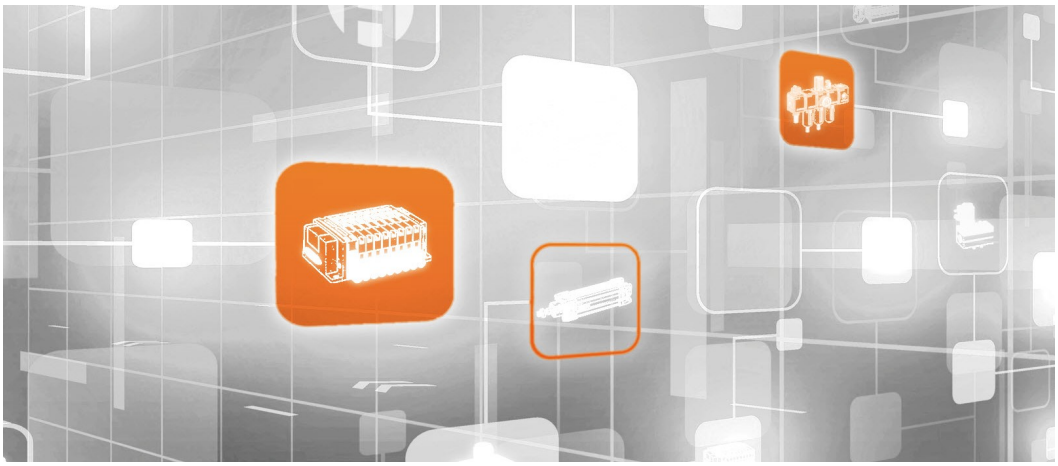

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