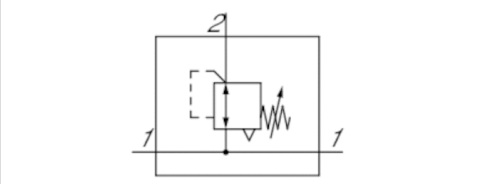
Pressure regulator, Series NL2-RGS-...-DS

- G 1/4
- Qn = 2000 l/min
- Standard pressure regulator
- Activation Mechanical
- with continuous pressure supply
- suitable for ATEX



Parts	Pressure regulator with continuous pressure supply
Mounting orientation	Any
Certificates	suitable for ATEX
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
Regulator type	Diaphragm-type pressure regulator Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	double
Activation	Mechanical
Weight	0,325 kg

Technical data

Part No.	Port	Flow	Adjustment range min./max.	Max. pressure gauge Ø in blocked state
		Qn		
0821302411	G 1/4	2000 l/min	0,1 ... 3 bar	40 mm
0821302409	G 1/4	2000 l/min	0,2 ... 6 bar	40 mm
0821302408	G 1/4	2000 l/min	0,5 ... 10 bar	40 mm

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

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 .
Suitable for use in Ex zones 1, 2, 21, 22.
The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
Relieving exhaust (≤ 0.3 bar over set pressure).
With rear exhaust (> 3 bar).

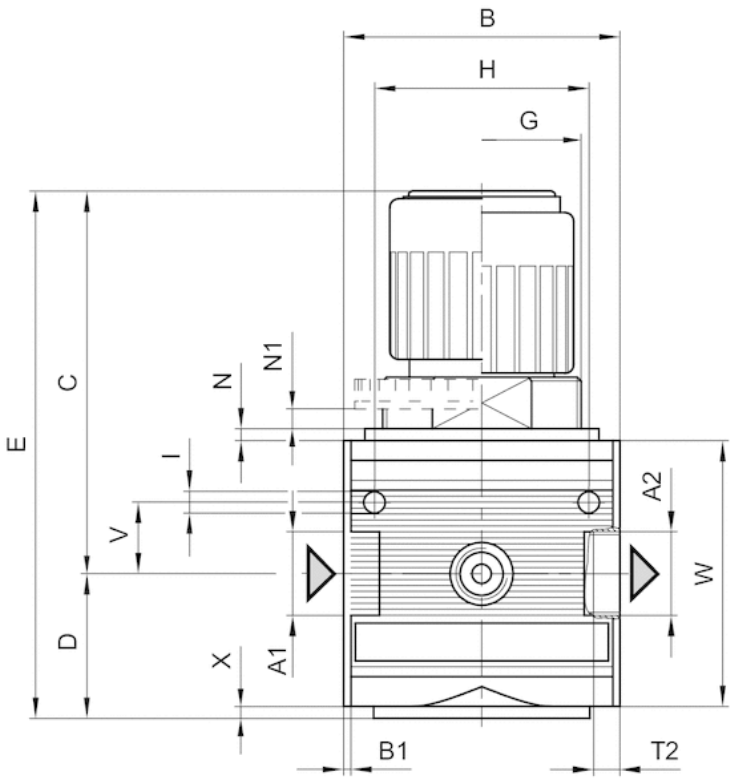
Recommended pre-filtering 5 µm

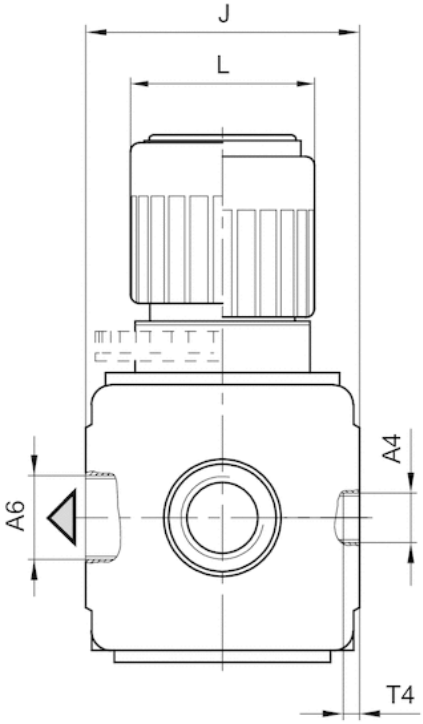
Technical information

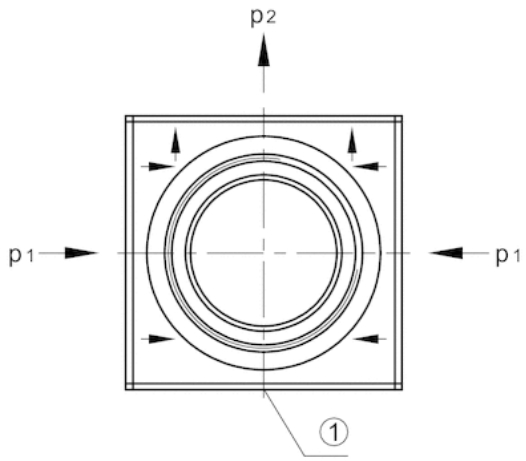
Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions







A1 = input
A2 = output
A4 = pressure gauge connection

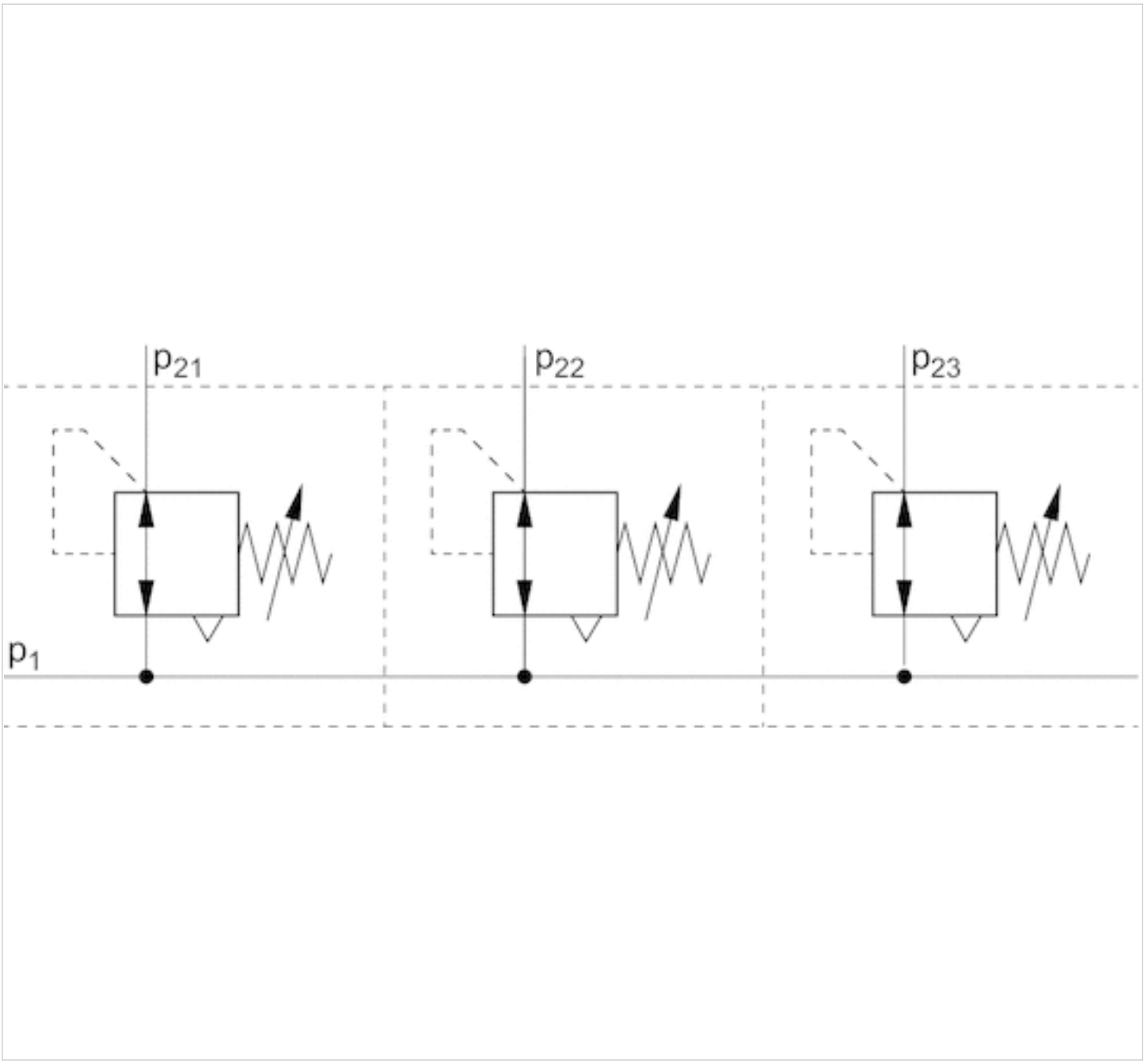
A6 = ventilation port
1) pressure gauge connection
p1 = working pressure
p2 = secondary pressure

Dimensions in mm

A1	A2	A4	A6	B	B1	C	D	E	G	H	I	J	L	N	N1	T2	T4	V	W	X
G 1/4	G 1/4	G 1/4	G 1/4	48	1.5	71	27	98	M30x1,5	36	4.4	47	28	3	3.5	9.5	7	12.3	52	1

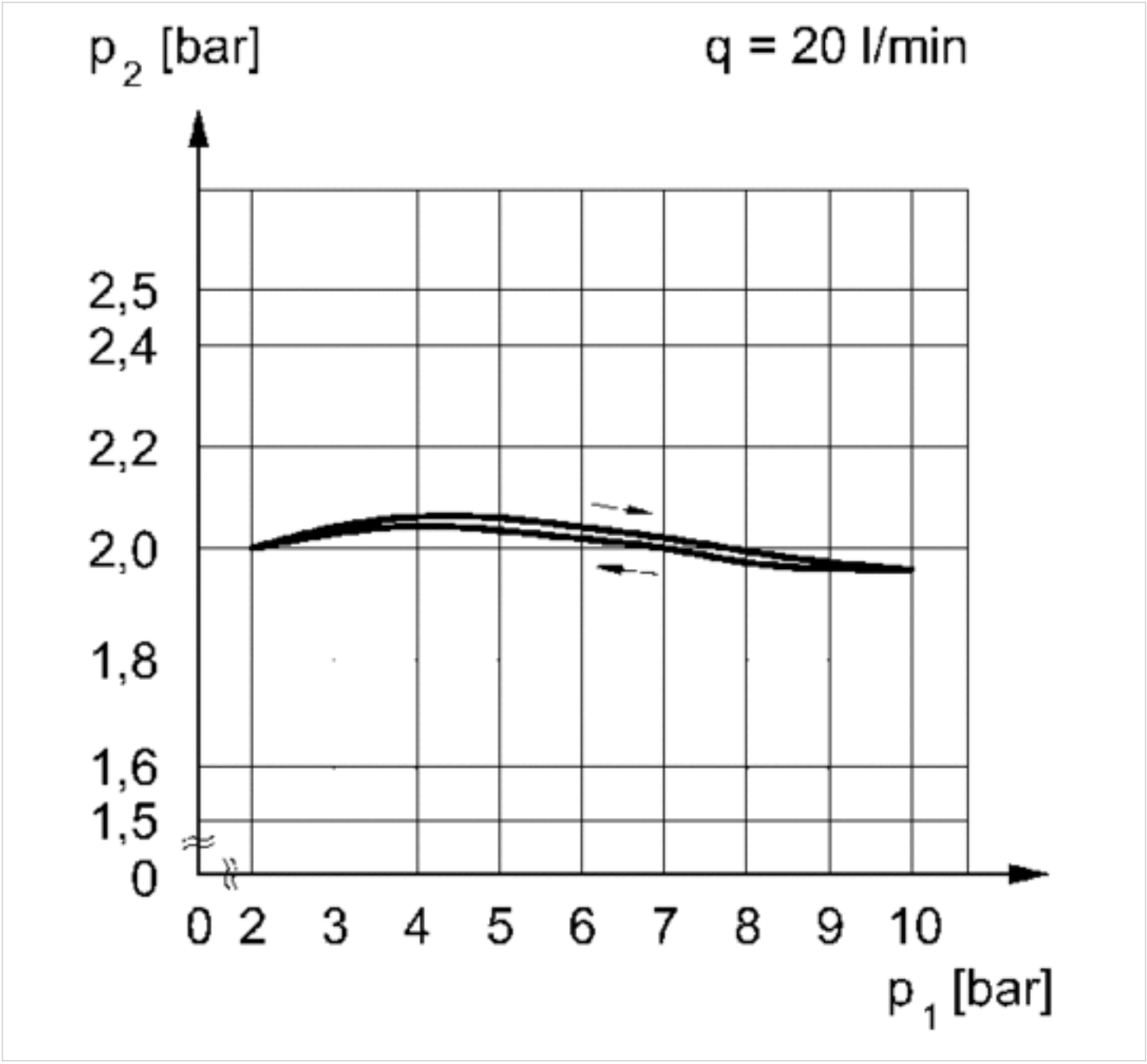
Diagrams

Application example



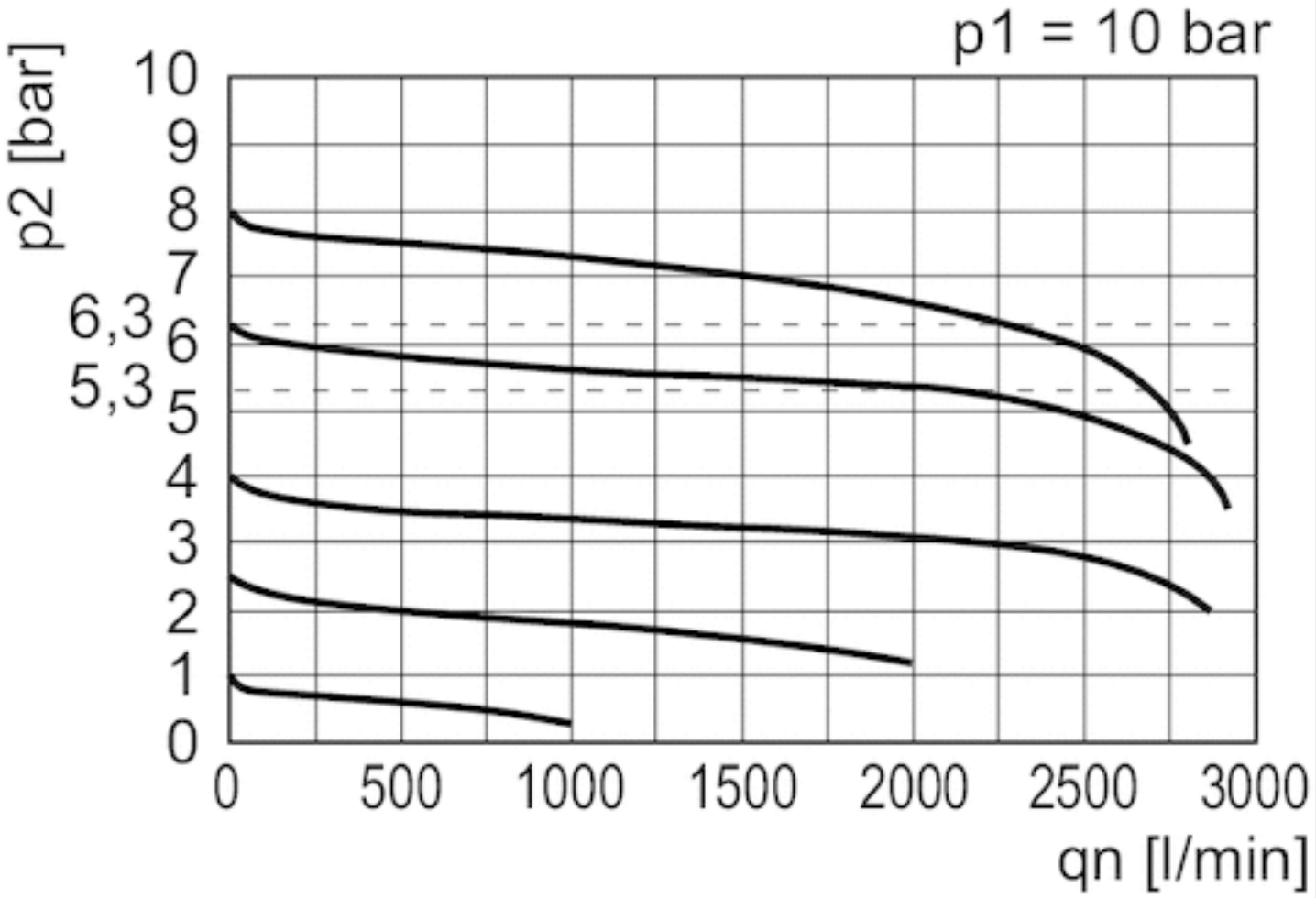
p1 = working pressure

Pressure characteristics curve



p1 = working pressure
p2 = secondary pressure
q = flow rate

Flow rate characteristic (setting range p2: 0.5 - 10 bar)



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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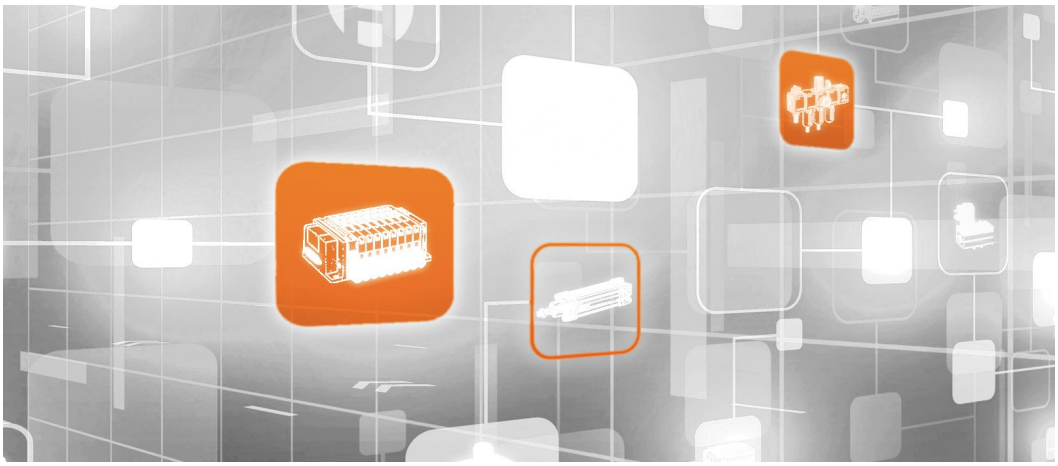

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