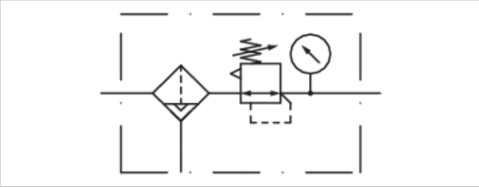
Filter pressure regulator, Series 651

- G 1/8 G 1/4
- filter porosity 5 25 µm
- With integrated pressure gauge



Type	1-part
Parts	Filter pressure regulator
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C Extended temperature range min./max. (optional) -40 °C ... 80 °C
Medium	Compressed air Neutral gases
Adjustment range min./max.	0,5 ... 10 bar
Hysteresis	0.3 bar
Weight	See table below
	The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	filter porosity	Flow	Condensate drain
			Qn	
G651APBK1GA00HN	G 1/8	5 µm	710 l/min	semi-automatic, open without pressure
G651APBK2GA00HN	G 1/4	5 µm	2240 l/min	semi-automatic, open without pressure
G651APJK1GA00HN	G 1/8	25 µm	730 l/min	semi-automatic, open without pressure
G651APBK1GA00HA	G 1/8	5 µm	710 l/min	fully automatic, open without pressure
G651APBL1GA00HA	G 1/8	5 µm	710 l/min	fully automatic, open without pressure
G651APJK1GA00HA	G 1/8	25 µm	730 l/min	fully automatic, open without pressure
G651APBL1GA00HN	G 1/8	5 µm	710 l/min	semi-automatic, open without pressure
G651APBL2GA00HA	G 1/4	5 µm	2240 l/min	fully automatic, open without pressure
G651APJL1GA00HA	G 1/8	25 µm	730 l/min	fully automatic, open without pressure
G651APBK2GA00HA	G 1/4	5 µm	2240 l/min	fully automatic, open without pressure
G651APBL2GA00HN	G 1/4	5 µm	2240 l/min	semi-automatic, open without pressure
G651APJK2GA00HN	G 1/4	25 µm	2360 l/min	semi-automatic, open without pressure
G651APBP1GA00HA	G 1/8	5 µm	710 l/min	fully automatic, open without pressure
G651APJK2GA00HA	G 1/4	25 µm	2360 l/min	fully automatic, open without pressure
G651APBP1GA00HN	G 1/8	5 µm	710 l/min	semi-automatic, open without pressure
G651APBP2GA00HA	G 1/4	5 µm	2240 l/min	fully automatic, open without pressure
G651APBP2GA00HN	G 1/4	5 µm	2240 l/min	semi-automatic, open without pressure
G651APJL1GA00HN	G 1/8	25 µm	730 l/min	semi-automatic, open without pressure
G651APJL2GA00HA	G 1/4	25 µm	2360 l/min	fully automatic, open without pressure
G651APJL2GA00HN	G 1/4	25 µm	2360 l/min	semi-automatic, open without pressure
G651APJP1GA00HA	G 1/8	25 µm	730 l/min	fully automatic, open without pressure
G651APJP1GA00HN	G 1/8	25 µm	730 l/min	semi-automatic, open without pressure

Part No.	Port	filter porosity	Flow Qn	Condensate drain
G651APJP2GA00HA	G 1/4	25 µm	2360 l/min	fully automatic, open without pressure
G651APJP2GA00HN	G 1/4	25 µm	2360 l/min	semi-automatic, open without pressure

Part No.	Pressure gauge
G651APBK1GA00HN	With integrated pressure gauge
G651APBK2GA00HN	With integrated pressure gauge
G651APJK1GA00HN	With integrated pressure gauge
G651APBK1GA00HA	With integrated pressure gauge
G651APBL1GA00HA	With integrated pressure gauge
G651APJK1GA00HA	With integrated pressure gauge
G651APBL1GA00HN	With integrated pressure gauge
G651APBL2GA00HA	With integrated pressure gauge
G651APJL1GA00HA	With integrated pressure gauge
G651APBK2GA00HA	With integrated pressure gauge
G651APBL2GA00HN	With integrated pressure gauge
G651APJK2GA00HN	With integrated pressure gauge
G651APBP1GA00HA	With integrated pressure gauge
G651APJK2GA00HA	With integrated pressure gauge
G651APBP1GA00HN	With integrated pressure gauge
G651APBP2GA00HA	With integrated pressure gauge
G651APBP2GA00HN	With integrated pressure gauge
G651APJL1GA00HN	With integrated pressure gauge
G651APJL2GA00HA	With integrated pressure gauge
G651APJL2GA00HN	With integrated pressure gauge
G651APJP1GA00HA	With integrated pressure gauge
G651APJP1GA00HN	With integrated pressure gauge
G651APJP2GA00HA	With integrated pressure gauge
G651APJP2GA00HN	With integrated pressure gauge

Part No.	Material Reservoir	Material Condensate drain	Weight
G651APBK1GA00HN	Metal reservoir without window	Plastic	0,45 kg
G651APBK2GA00HN	Metal reservoir without window	Plastic	0,45 kg
G651APJK1GA00HN	Metal reservoir without window	Plastic	0,45 kg
G651APBK1GA00HA	Metal reservoir without window	Brass	0,45 kg
G651APBL1GA00HA	reservoir, metal, with inspection glass	Brass	0,45 kg
G651APJK1GA00HA	Metal reservoir without window	Brass	0,45 kg
G651APBL1GA00HN	reservoir, metal, with inspection glass	Plastic	0,45 kg
G651APBL2GA00HA	reservoir, metal, with inspection glass	Brass	0,45 kg
G651APJL1GA00HA	reservoir, metal, with inspection glass	Brass	0,45 kg
G651APBK2GA00HA	Metal reservoir without window	Brass	0,45 kg
G651APBL2GA00HN	reservoir, metal, with inspection glass	Plastic	0,45 kg
G651APJK2GA00HN	Metal reservoir without window	Plastic	0,45 kg
G651APBP1GA00HA	Reservoir polycarbonate	Brass	0,3 kg
G651APJK2GA00HA	Metal reservoir without window	Brass	0,45 kg
G651APBP1GA00HN	Reservoir polycarbonate	Plastic	0,3 kg
G651APBP2GA00HA	Reservoir polycarbonate	Brass	0,3 kg
G651APBP2GA00HN	Reservoir polycarbonate	Plastic	0,3 kg

Part No.	Material Reservoir	Material Condensate drain	Weight
G651APJL1GA00HN	reservoir, metal, with inspection glass	Plastic	0,45 kg
G651APJL2GA00HA	reservoir, metal, with inspection glass	Brass	0,45 kg
G651APJL2GA00HN	reservoir, metal, with inspection glass	Plastic	0,45 kg
G651APJP1GA00HA	Reservoir polycarbonate	Brass	0,3 kg
G651APJP1GA00HN	Reservoir polycarbonate	Plastic	0,3 kg
G651APJP2GA00HA	Reservoir polycarbonate	Brass	0,3 kg
G651APJP2GA00HN	Reservoir polycarbonate	Plastic	0,3 kg

Nominal flow Qn at p1= 10 bar , p2= 6.3 bar and Δp = 1 bar

Technical information

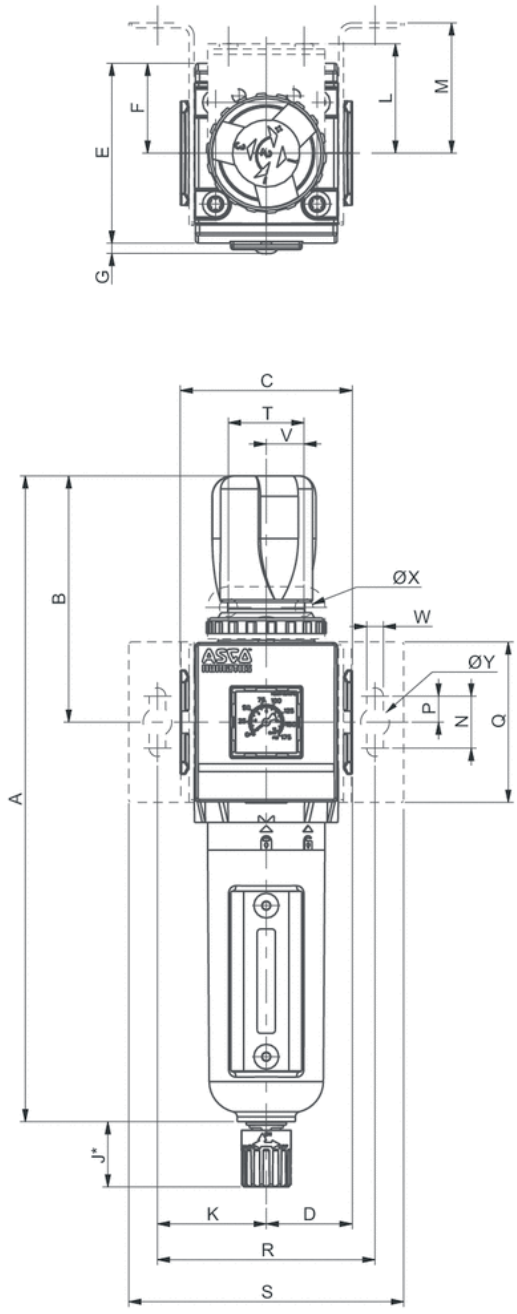
Max. achievable compressed air class acc. to ISO 8573-1:2010 5 : 8 : 4 (5 µm filter porosity) und 6 : 8 : 4 (25µm filter porosity)
Other filter porosities on request.

Technical information

Material	
Housing	Aluminum
Front plate	Polyamide
Seals	Nitrile butadiene rubber
Filter insert	Sintered bronze
Condensate drain	Plastic Brass

Dimensions

Dimensions



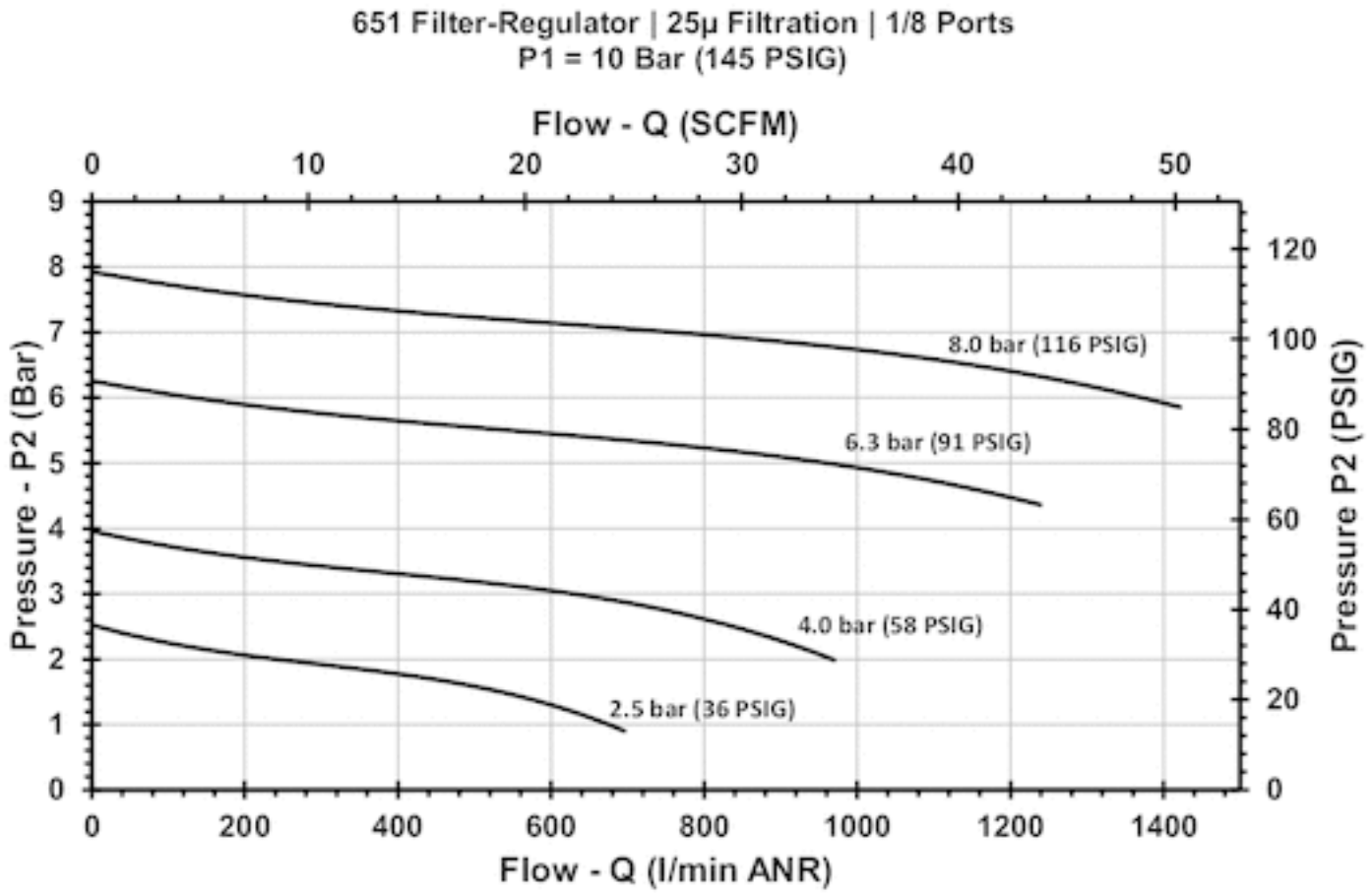
To remove the reservoir, allow a clearance of 60 mm from the bottom of the reservoir drain.
*Variable dimension based on the type of drain specified, if an automatic drain is specified, add another 5 mm to the “J” dimension.

Dimensions

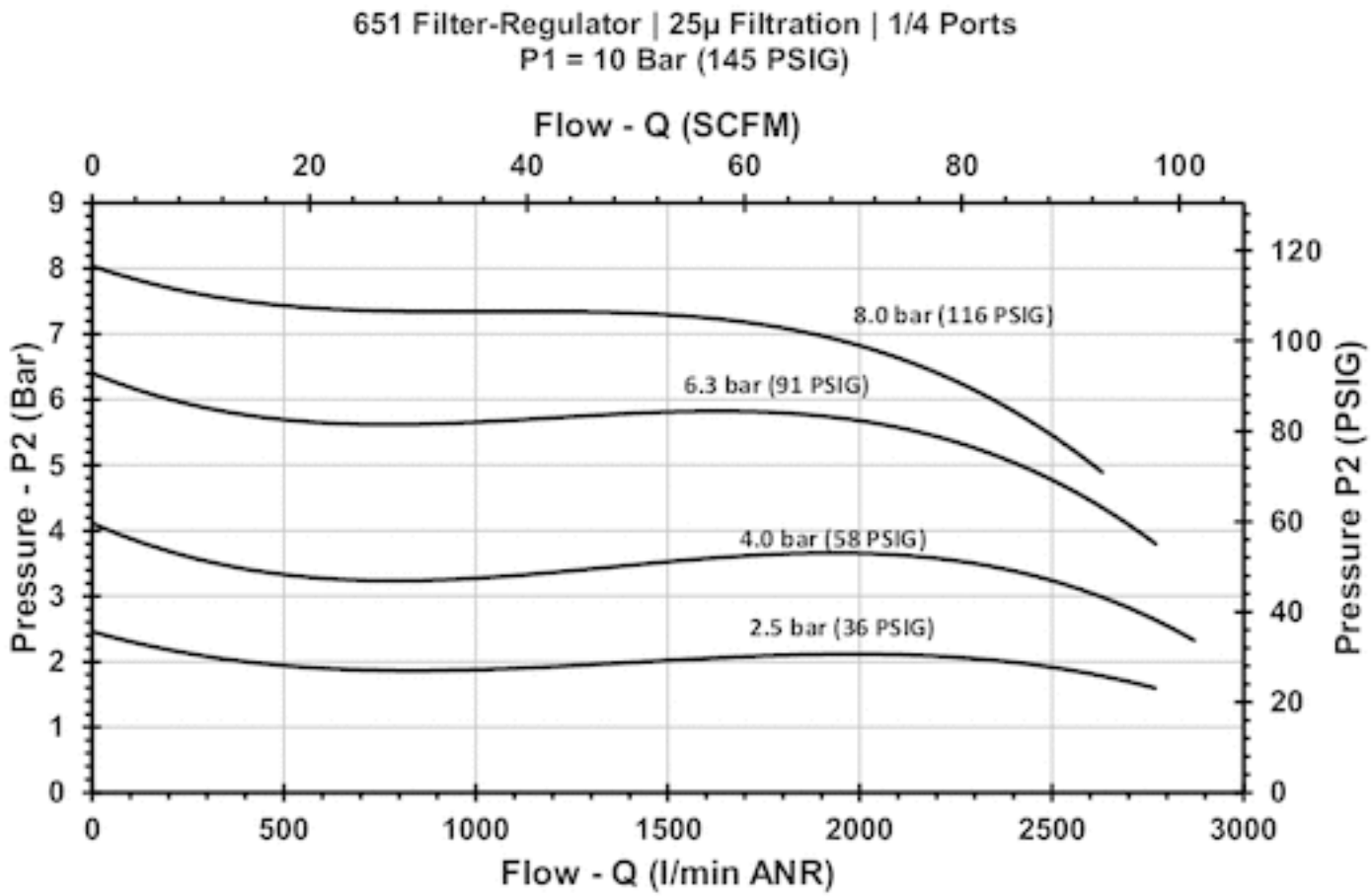
Series	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	W	X	Y
651	215,5	77,5	50	25	58	29	3,4	116	25	35	42	44,5	20	10	50	70	92	29	14,5	6,3	7	11

Diagrams

Flow diagram, G 1/8



Flow diagram, G 1/4



Accessories overview

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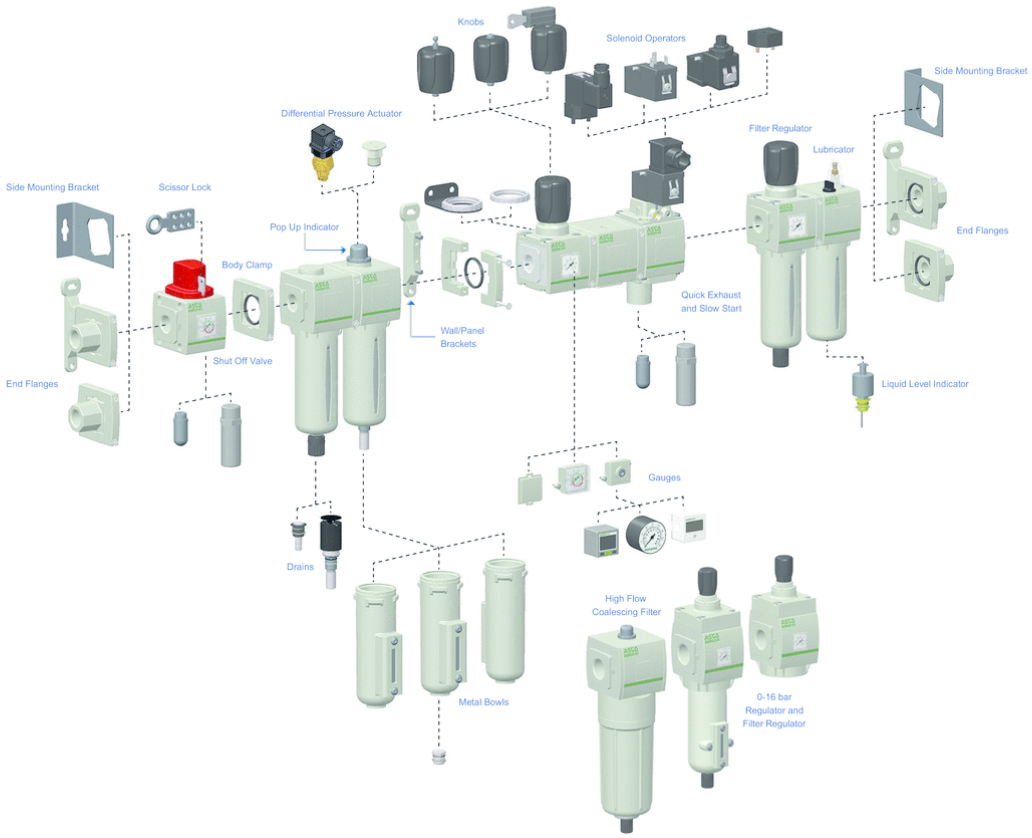


Ordering information

G 651 A P B P 2 G A00 H N

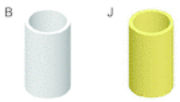
Thread connection
G = ISO 228/1-G [1]
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
P = Filter/Regulator - Particulate

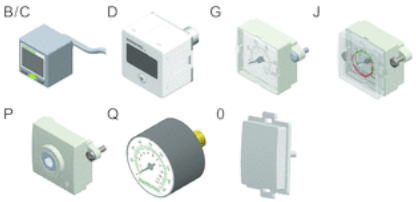
Elements
B = 5 µm (White)
J = 25 µm (Yellow)



Bowl type
K = Metal bowl without sight gauge
L = Metal bowl with sight gauge (glass)
P = Polycarbonate bowl with bowl guard

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

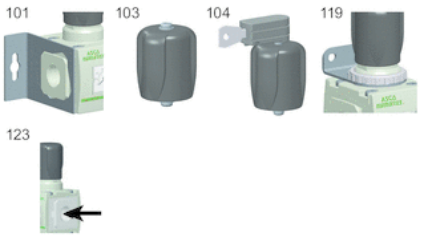
Gauge type
B = Digital pressure switch - PNP
C = Digital pressure switch - NPN
D = Digital gauge
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8



Drain type
0 = Without
A = Auto drain normally open
N = Manual/Semi-automatic drain
Q = Manual drain - Stainless steel

Pressure range
D = 0,2..3 bar
H = 0,5..10 bar
N = 0,5..16 bar (653 only) [2]

Options [3]
A00 = Without option
101 = Side Mounting Brackets
102 = Panel Nut (651 or 652)
103 = Tamper resistant
104 = Key lockable
105 = High temperature (+80°C)
106 = Low temperature (-40°C) [4]
109 = FPM seals
113 = Stainless steel fasteners
114 = Provision for key lock
117 = ATEX zones 1-21
119 = Panel Bracket with Panel Nut (651 or 652)
121 = Non-relieving
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
202 = 105 + 109
2A9 = 105 + 106



[1] Conforms to ISO standards 1179-1.
[2] Metal Bowl Types K or L only.
[3] If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).
[4] Compressed air must be dry enough so no ice formation is present on the product. All bowls should be emptied prior to ambient temperatures dropping below 0°C.

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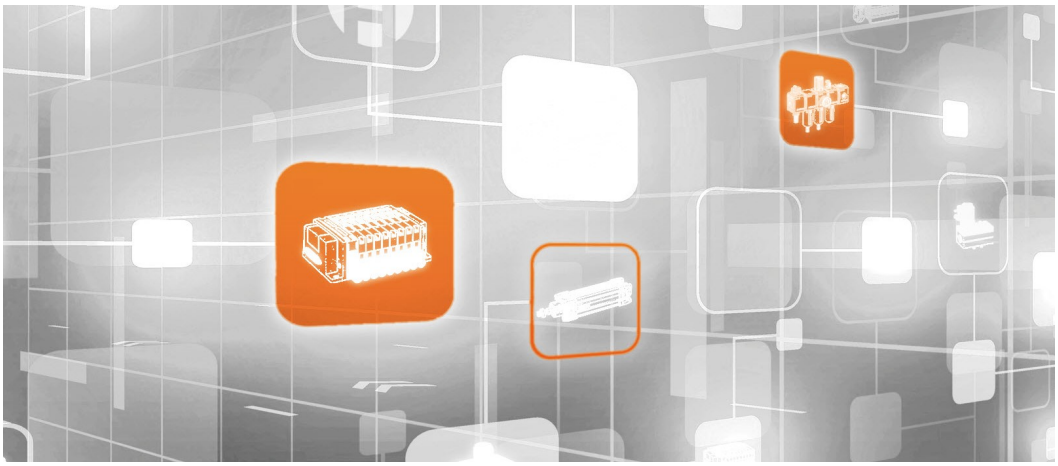

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