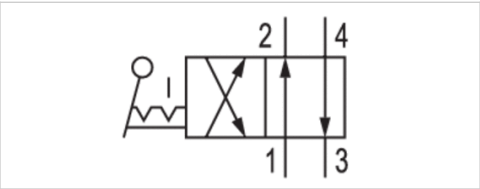
Series 563-018

AVENTICS™ Series 563-018

EMERSON.

4/2-directional valve, Series 563 018

- Qn = 300 l/min
- Compressed air connection output G 1/8
- single solenoid
- Pipe connection



Type	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	4/2
Sealing principle	Soft sealing
Nominal flow Qn	300 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	0.24 kg

Technical data

Part No.	Compressed air connection type	Compressed air connection Input	Compressed air connection Output
5630180100	Internal thread	G 1/8	G 1/8

Part No.	Compressed air connection Exhaust
5630180100	G 1/8

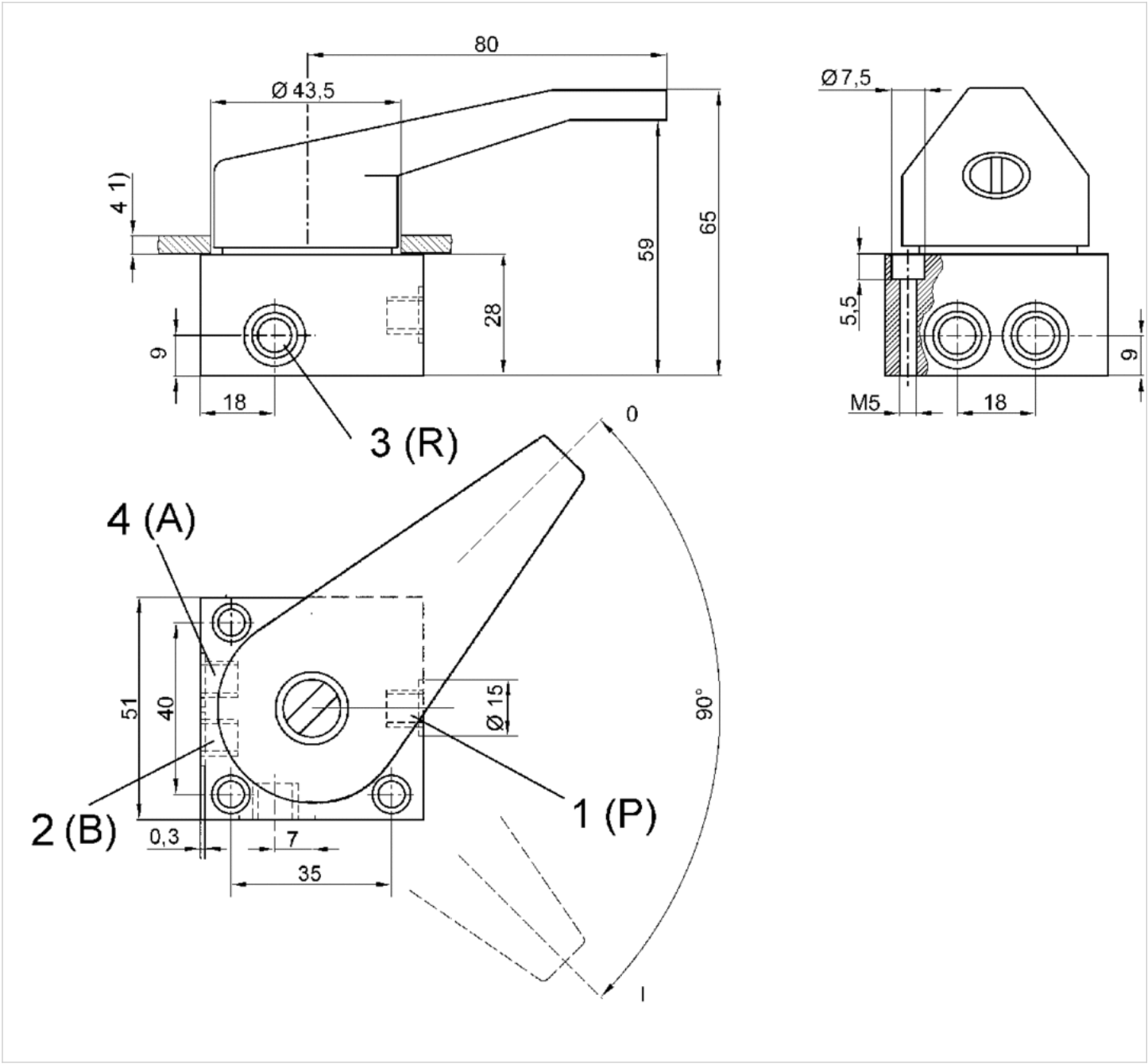
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.
Pos. 0: port 1 ▸ port 4, port 2 ▸ port 3
pos. I: port 1 ▸ port 2, port 4 ▸ port 3

4/3-directional valve, Series 563 018

- Qn = 300 l/min
- Compressed air connection output G 1/8
- single solenoid
- Pipe connection

Type	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	4/3
Sealing principle	Soft sealing
Nominal flow Qn	300 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	0.24 kg

Technical data

Part No.		Version	Compressed air connection type	Compressed air connection Input
5630181100		exhausted center	Internal thread	G 1/8
5630182100		closed center	Internal thread	G 1/8

Part No.	Compressed air connection Output	Compressed air connection Exhaust
5630181100	G 1/8	G 1/8
5630182100	G 1/8	G 1/8

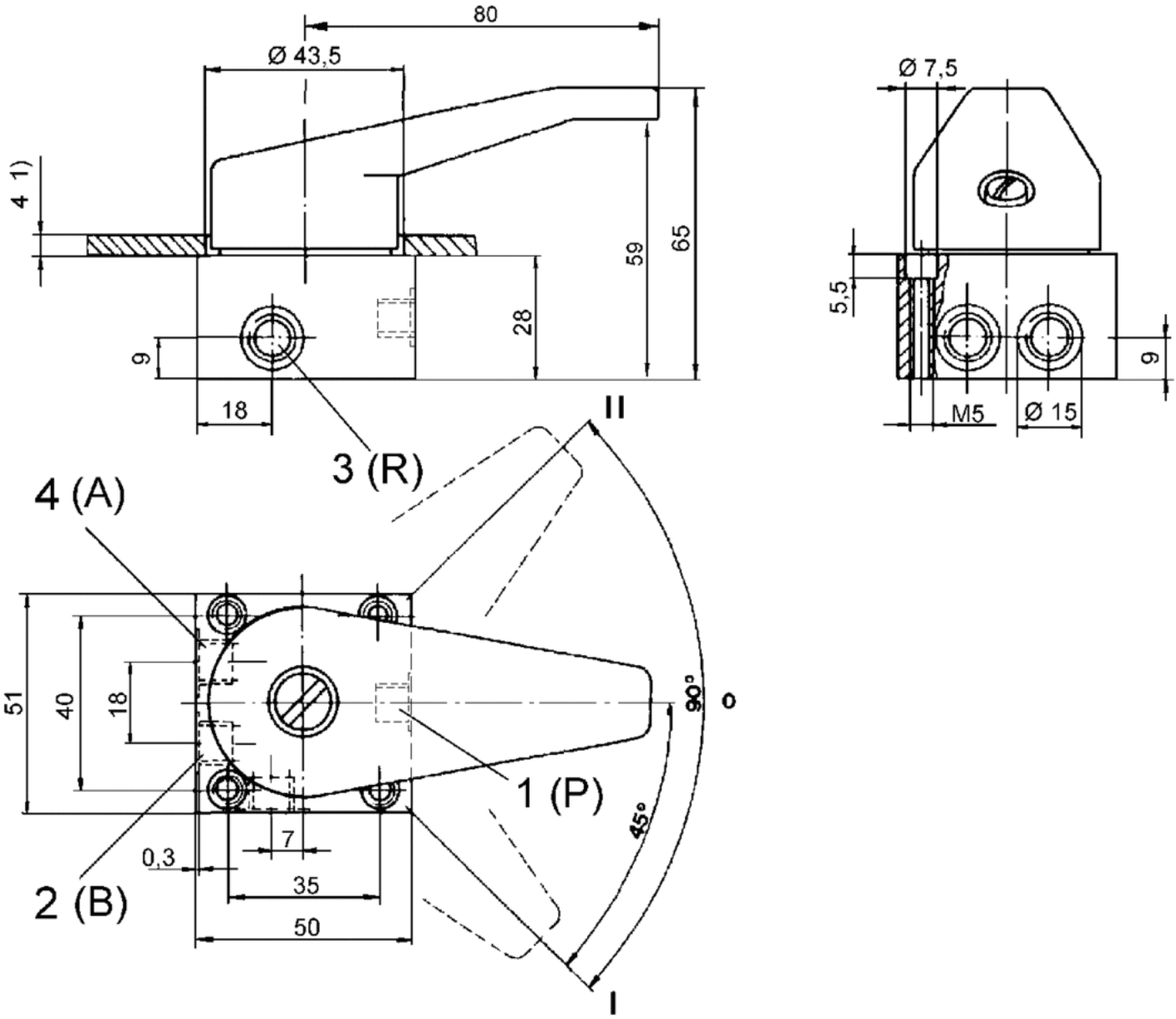
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

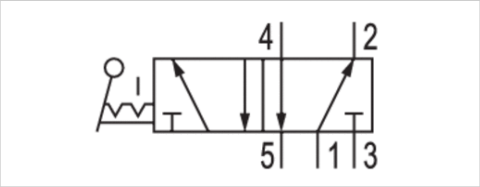
Dimensions



1) Max.
item 0 (5630181100): port 2, 4 ▸ 3
item 0 (5630182100): closed center
item I: port 1 ▸ port 2, port 4 ▸ port 3
item II: port 1 ▸ port 4, port 2 ▸ port 3

5/2-directional valve, Series 563 131

- Qn = 1100 l/min
- Compressed air connection output G 1/4
- single solenoid
- Pipe connection



Type	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	1100 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	0.71 kg

Technical data

Part No.	Compressed air connection type	Compressed air connection Input	Compressed air connection Output
5631310100	Internal thread	G 1/4	G 1/4

Part No.	Compressed air connection Exhaust
5631310100	G 1/4

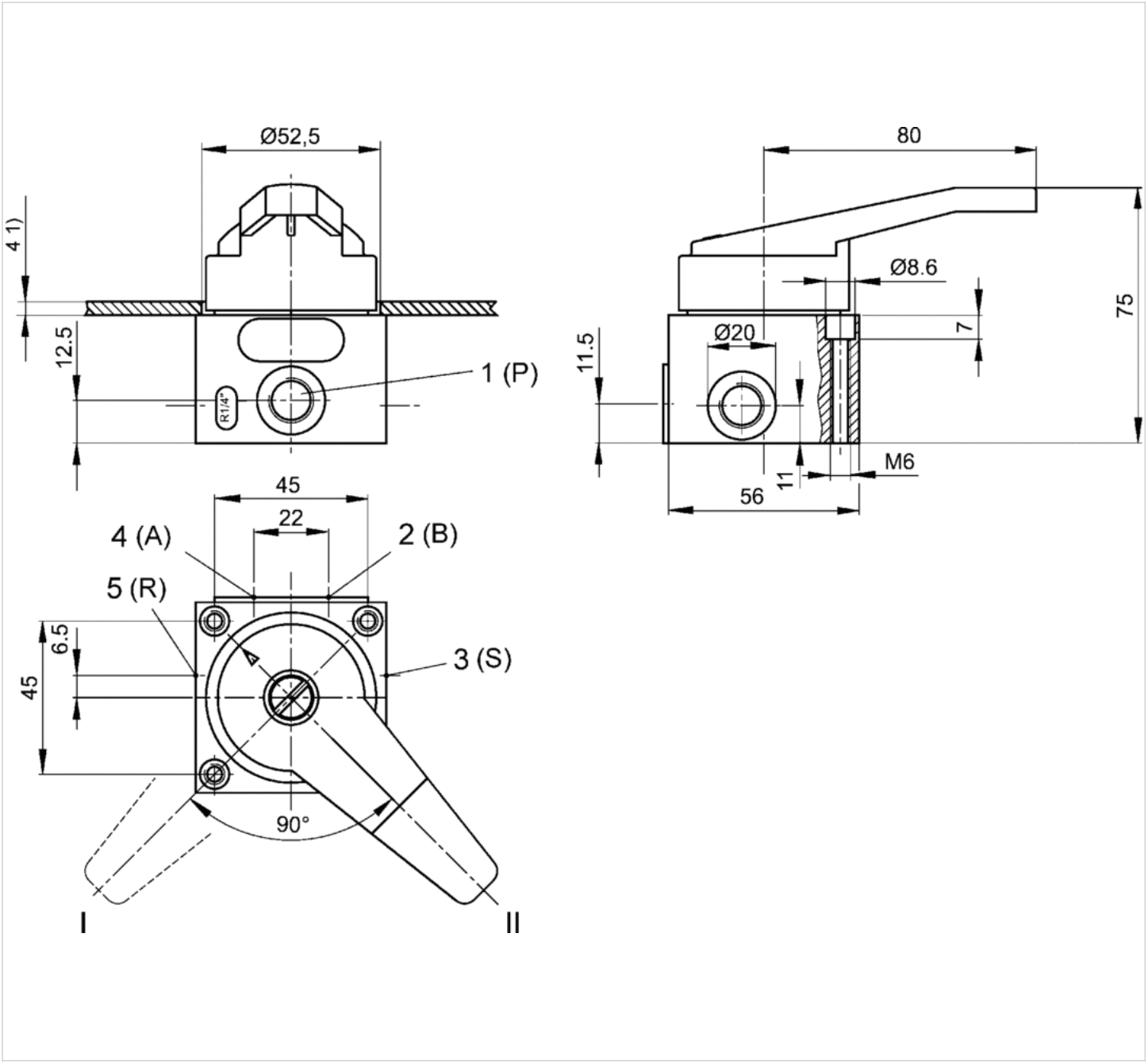
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.
Pos. I: port 1 ▸ port 4, port 2 ▸ port 3
pos. II: port 1 ▸ port 2, port 4 ▸ port 5

5/3-directional valve, Series 563 131

- Qn = 1100 l/min
- Compressed air connection output G 1/4
- single solenoid
- Pipe connection

Type	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	5/3
Sealing principle	Soft sealing
Nominal flow Qn	1100 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	0.71 kg

Technical data

Part No.		Version	Compressed air connection type	Compressed air connection Input
5631311100		exhausted center	Internal thread	G 1/4
5631312100		closed center	Internal thread	G 1/4

Part No.	Compressed air connection Output	Compressed air connection Exhaust
5631311100	G 1/4	G 1/4
5631312100	G 1/4	G 1/4

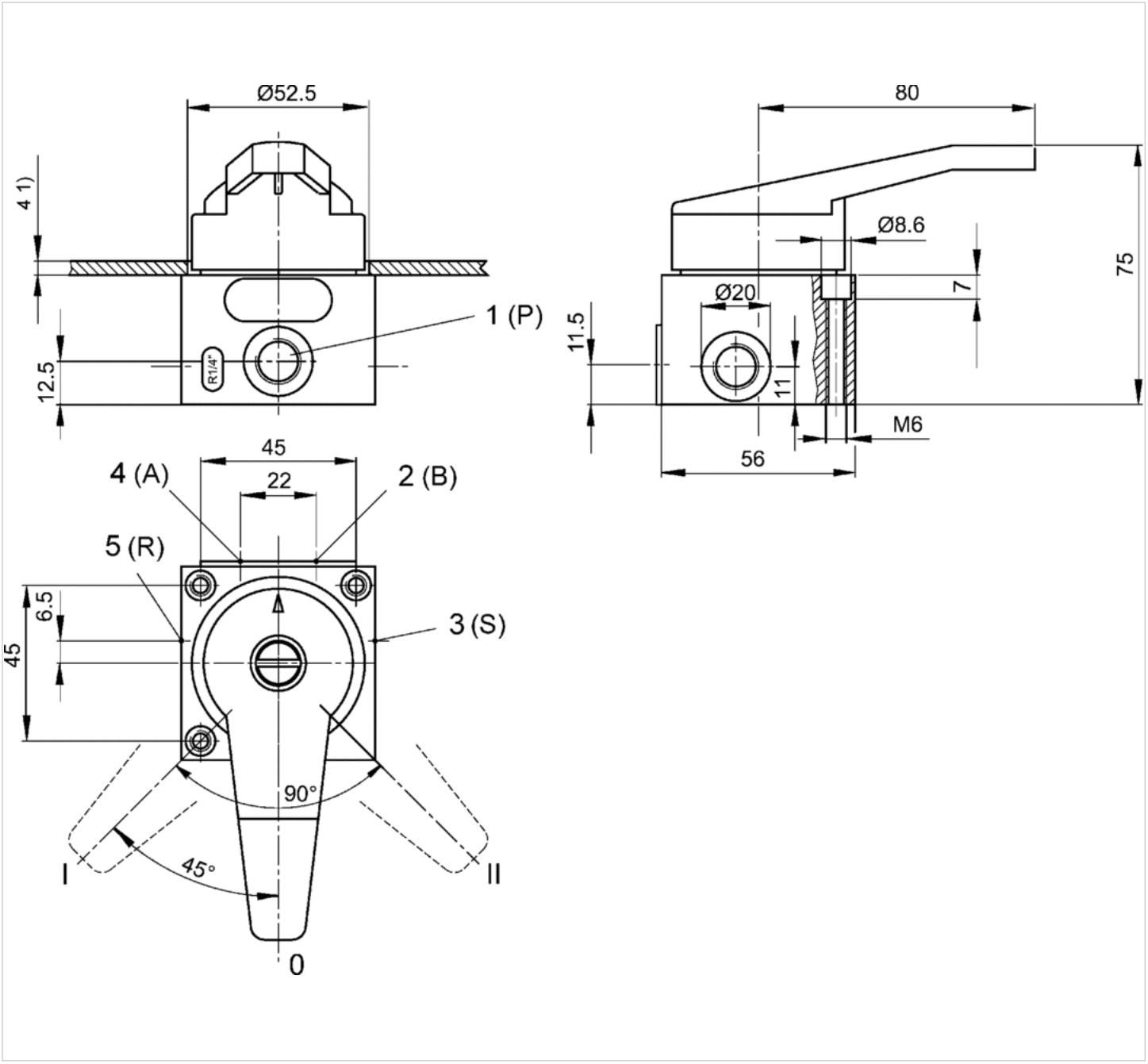
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.
item 0 (5631311100): port 2 ▸ port 3, port 4 ▸ port 5
item 0 (5631312100): closed center
item I: port 1 ▸ port 4, port 2 ▸ port 3
item II: port 4 ▸ port 5, port 1 ▸ port 2

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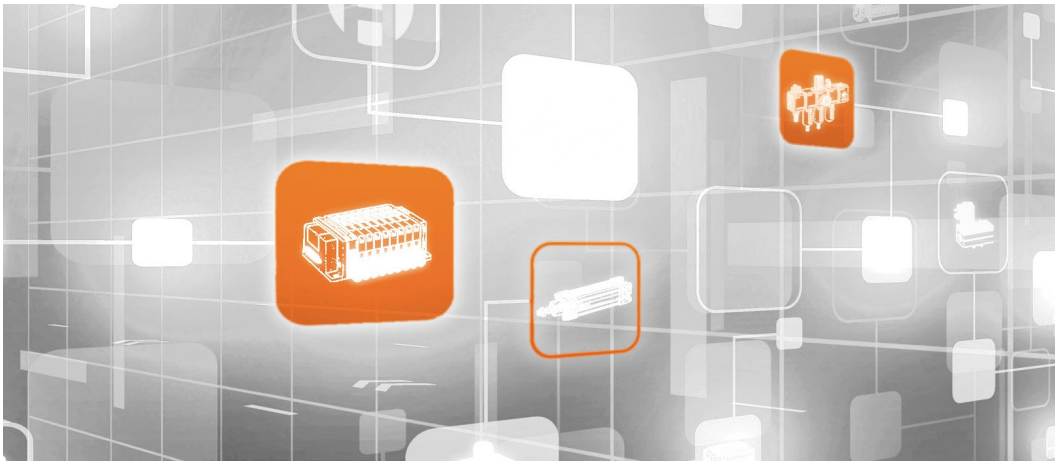

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