











2/2-directional valve, electrically operated, Series AS3-SOV

- Compressed air connection G 1/2 G 3/8
- Pipe connection
- NC NO



Type	Poppet valve, Can be assembled into blocks
Parts	2/2-directional valve, electrically operated
Nominal flow	4500 l/min
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 50 °C
Ambient temperature min./max.	-10 ... 50 °C
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class acc. to DIN EN 61140 with plug	IP65
Duty cycle	100 %
Weight	See table below

Technical data

Part No.				Compressed air connection input	Compressed air connection output
R415011113			NC	G 1/2	G 1/2
R412007341			NC	G 3/8	G 3/8
R412007342			NC	G 3/8	G 3/8
R412007343			NC	G 1/2	G 1/2
R414012347			NO	G 1/2	G 1/2

Part No.	Operational voltage	Power consumption	Working pressure min./max.
	DC	DC	
R415011113	24 V	2 W	2,5 ... 10 bar
R412007341	24 V	2 W	2,5 ... 10 bar
R412007342	24 V	2 W	2,5 ... 10 bar
R412007343	24 V	2 W	2,5 ... 10 bar
R414012347	24 V	2 W	2,5 ... 8 bar

Part No.	Electrical connection	basic valve with electrical connector
	Pilot valve	
R415011113	Plug, ISO 15217, form C	Basic valve with pilot valve
R412007341	Plug, ISO 15217, form C	Basic valve with pilot valve
R412007342	Plug, M12	Basic valve with pilot valve
R412007343	Plug, M12	Basic valve with pilot valve
R414012347	Plug, ISO 15217, form C	Basic valve with pilot valve

Part No.	Reverse polarity protection	Weight	Fig.
R415011113	Protected against polarity reversal	0,459 kg	Fig. 1
R412007341	Protected against polarity reversal	0,609 kg	Fig. 1
R412007342	Protected against polarity reversal	0,61 kg	Fig. 2
R412007343	Protected against polarity reversal	0,6 kg	Fig. 2
R414012347	Protected against polarity reversal	0,53 kg	Fig. 3

Nominal flow Qn with secondary pressure p2 = 6 bar at $\Delta p = 1$ bar, MO = Manual override

Technical information

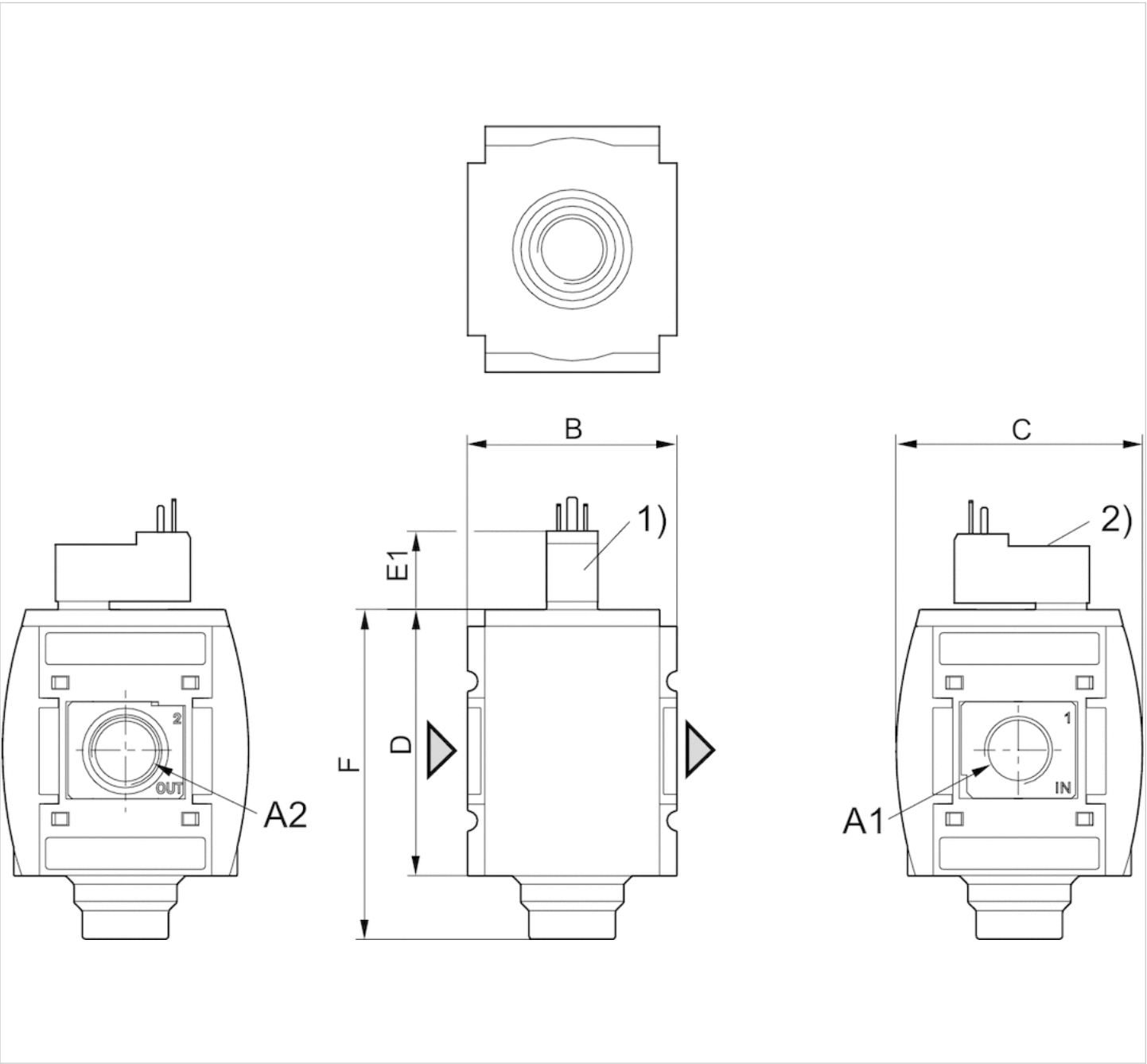
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Technical information

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

Dimensions

Fig. 1: 2/2-directional valve with pilot valve and port for electrical connector form C



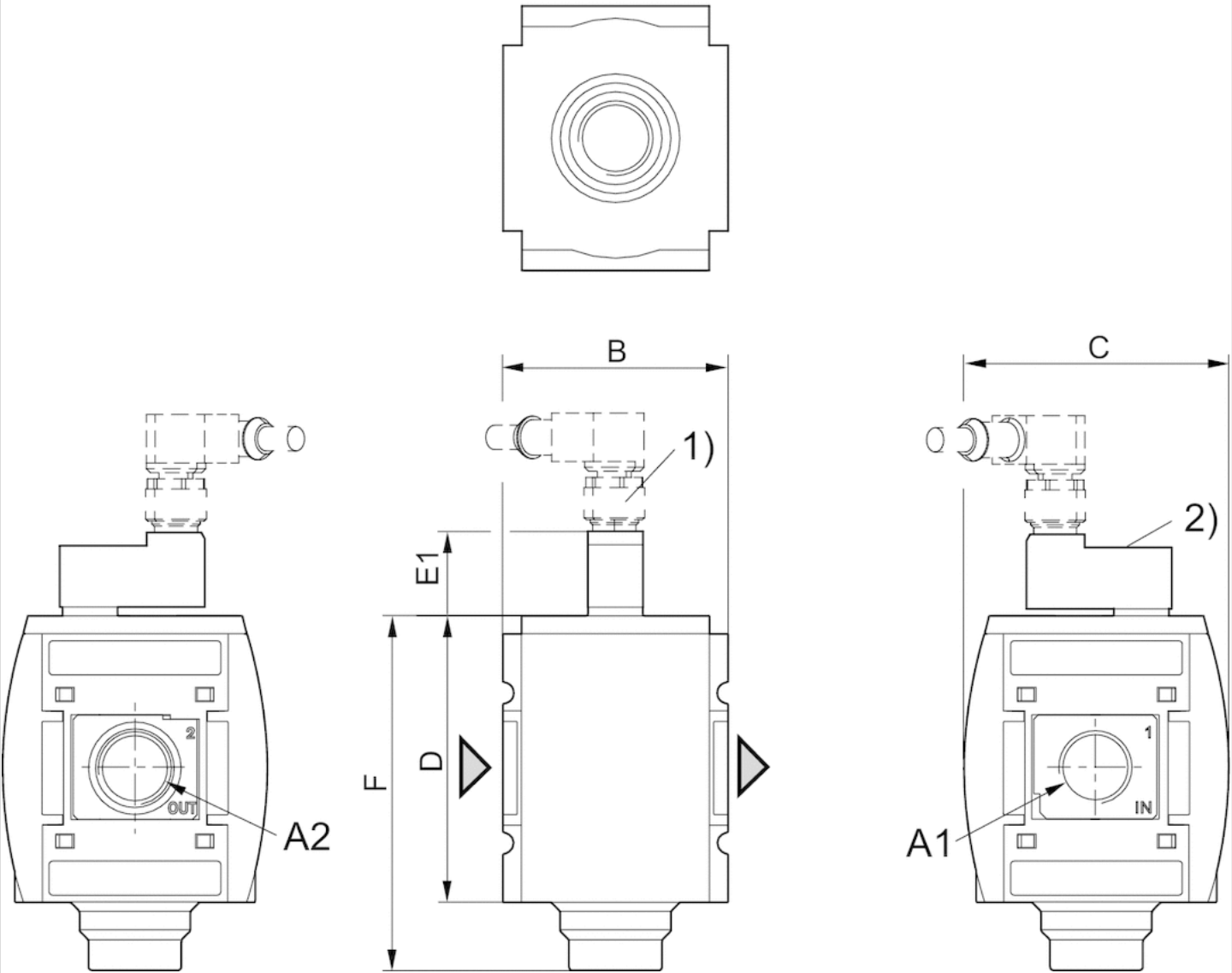
A1 = input
A2 = output
1) Connection for valve plug connector according to ISO 15217 (form C)
2) Manual override

Dimensions in mm

A1	A2	B	C	D	E1	F
G 1/2	G 1/2	63	74	80	23.2	99
G 3/8	G 3/8	63	74	80	23.2	99

Dimensions

Fig. 2: 2/2-directional valve with pilot valve, push-in fitting M12x1



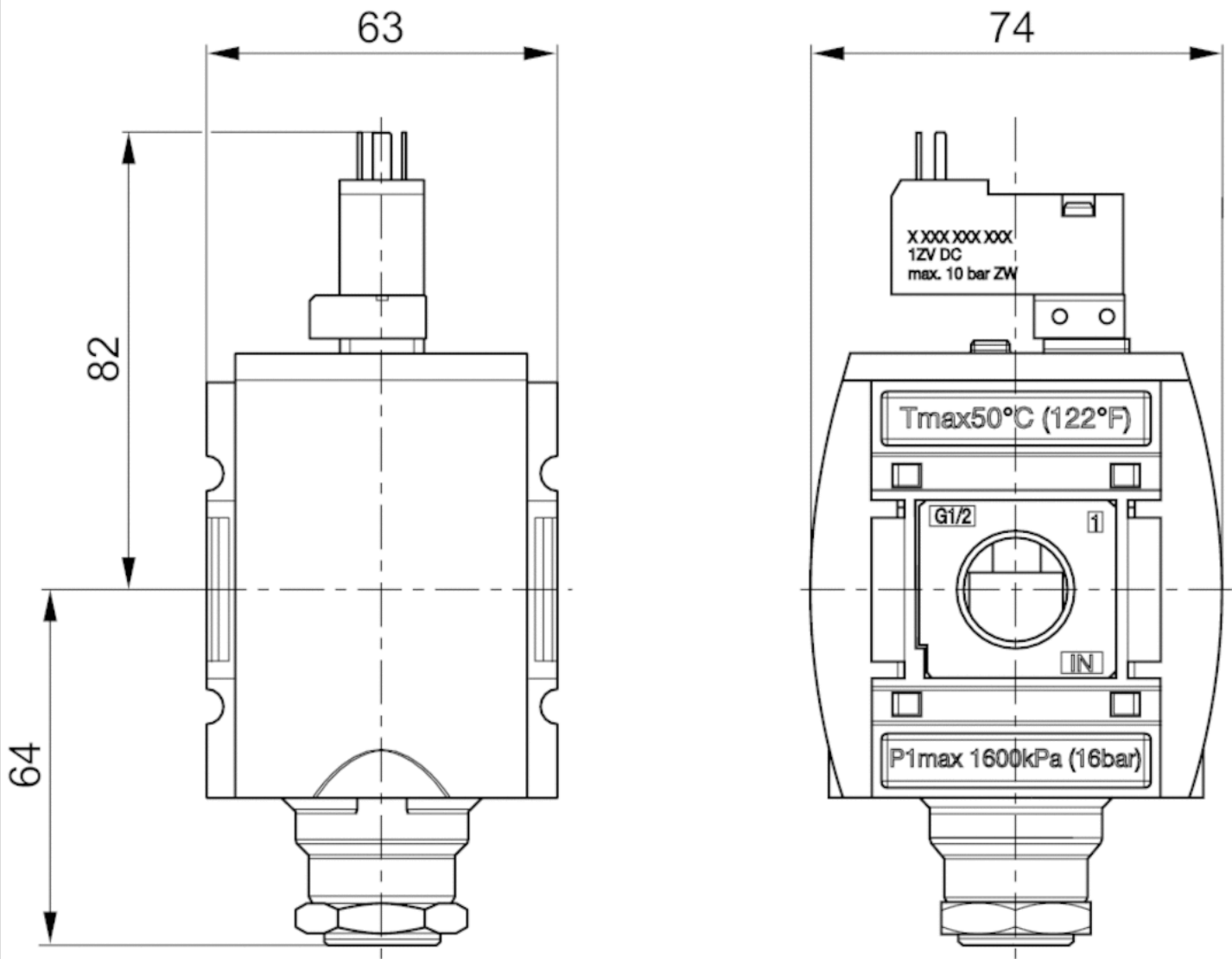
A1 = input
A2 = output
1) plug M12
2) Manual override

Dimensions in mm

A1	A2	B	C	D	E1	F
G 3/8	G 3/8	63	74	80	23.2	99
G 1/2	G 1/2	63	74	80	23.2	99

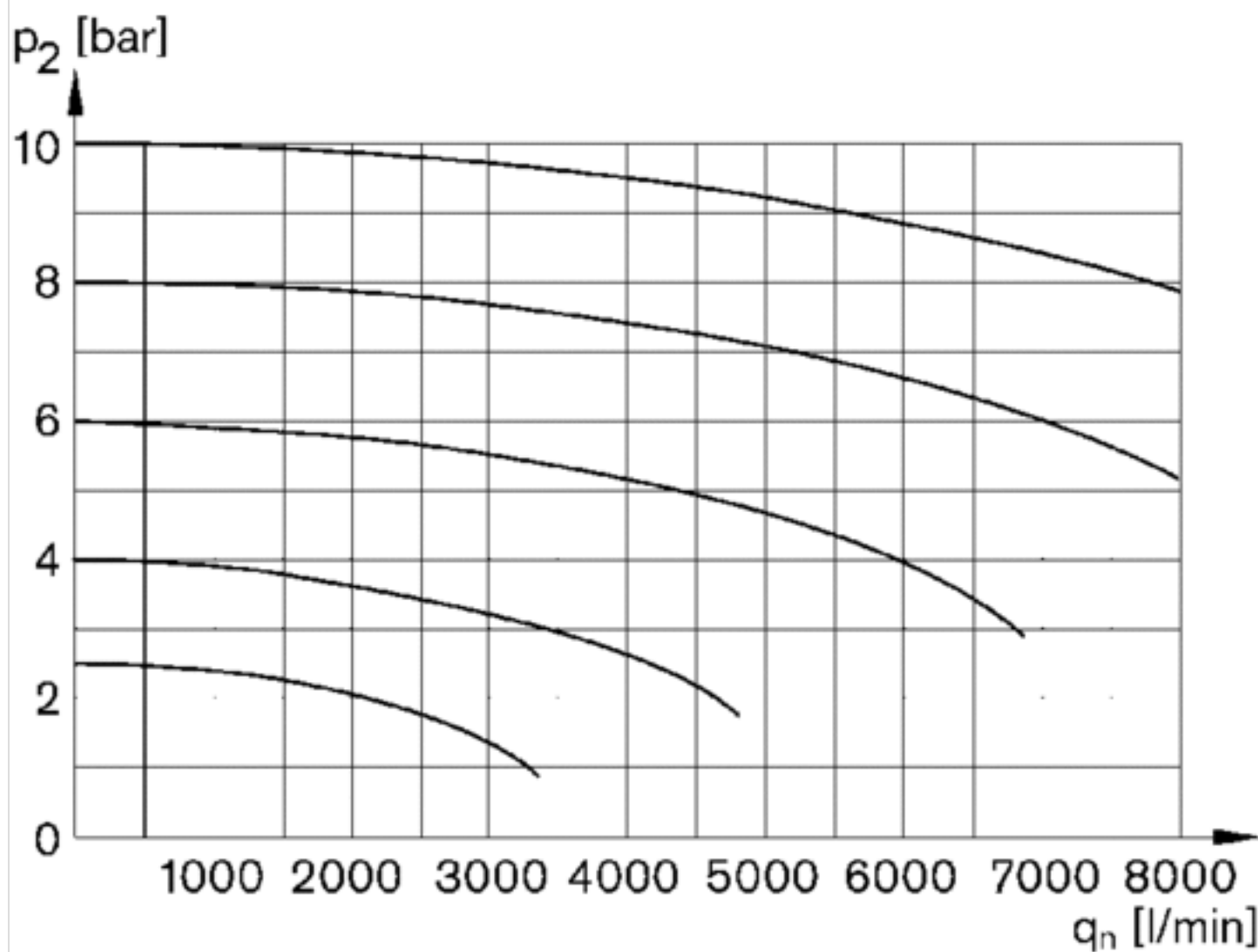
Dimensions

Dimensions, Fig. 3



Diagrams

Flow rate characteristic



p_2 = secondary pressure

q_n = nominal flow

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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