

CONTROLLABLE GAS SPRING

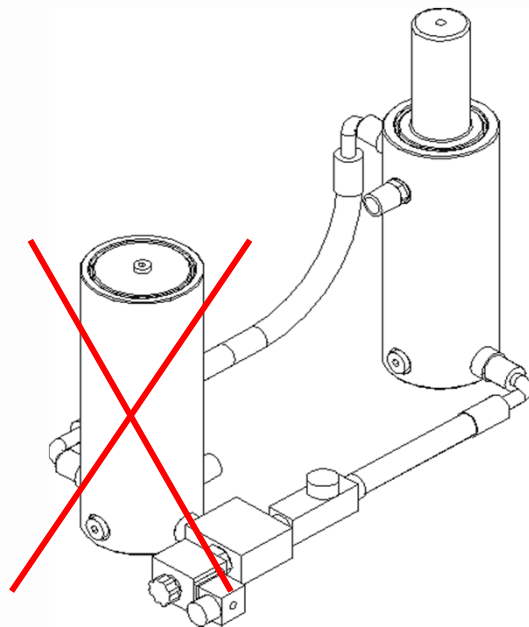


Product description CPC

NITROGAS

MAIN FEATURES

- This gas spring allows a controlled stop at the end of the rod stroke.
- The signals for blocking and unlocking the movement of the rod, are activated pneumatically and controlled by the user (manually, with limit switches, from the press...).
- A single cylinder!! No need for oil accumulators and passive cylinders, reducing the space required for the installation.
- Without external refrigeration system.



Product description CPC

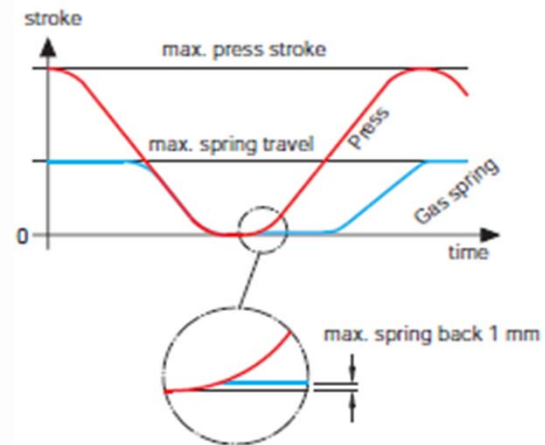
NITROGAS

MAIN FEATURES

- Positive spring-back cylinder:

- In the blocking moment, the cylinder has a maximum positive spring-back of 1 mm.
- For structural parts.
- Ordering example:

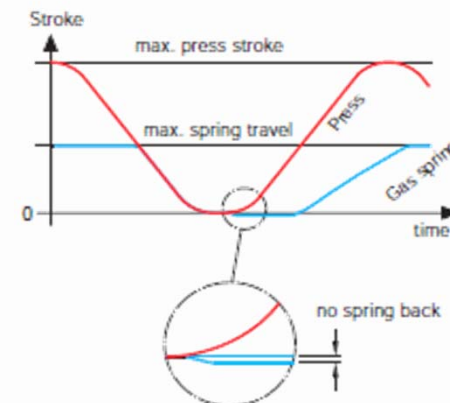
CPC-I 500-60-P



- Negative spring-back cylinder:

- In the blocking moment, the cylinder has a negative spring-back.
- For external or skin parts.
- Ordering example:

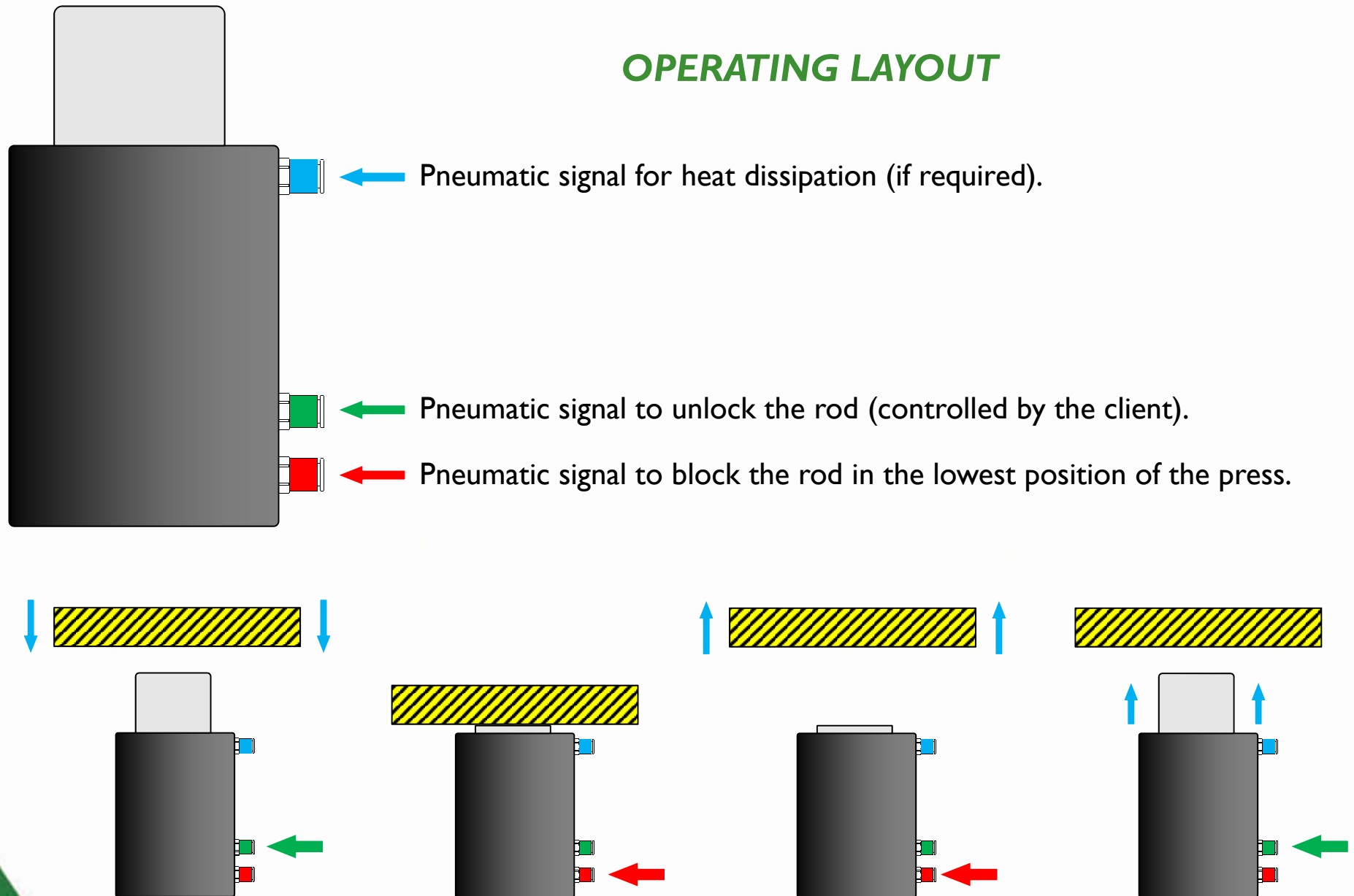
CPC-I 500-60-N



Product description CPC

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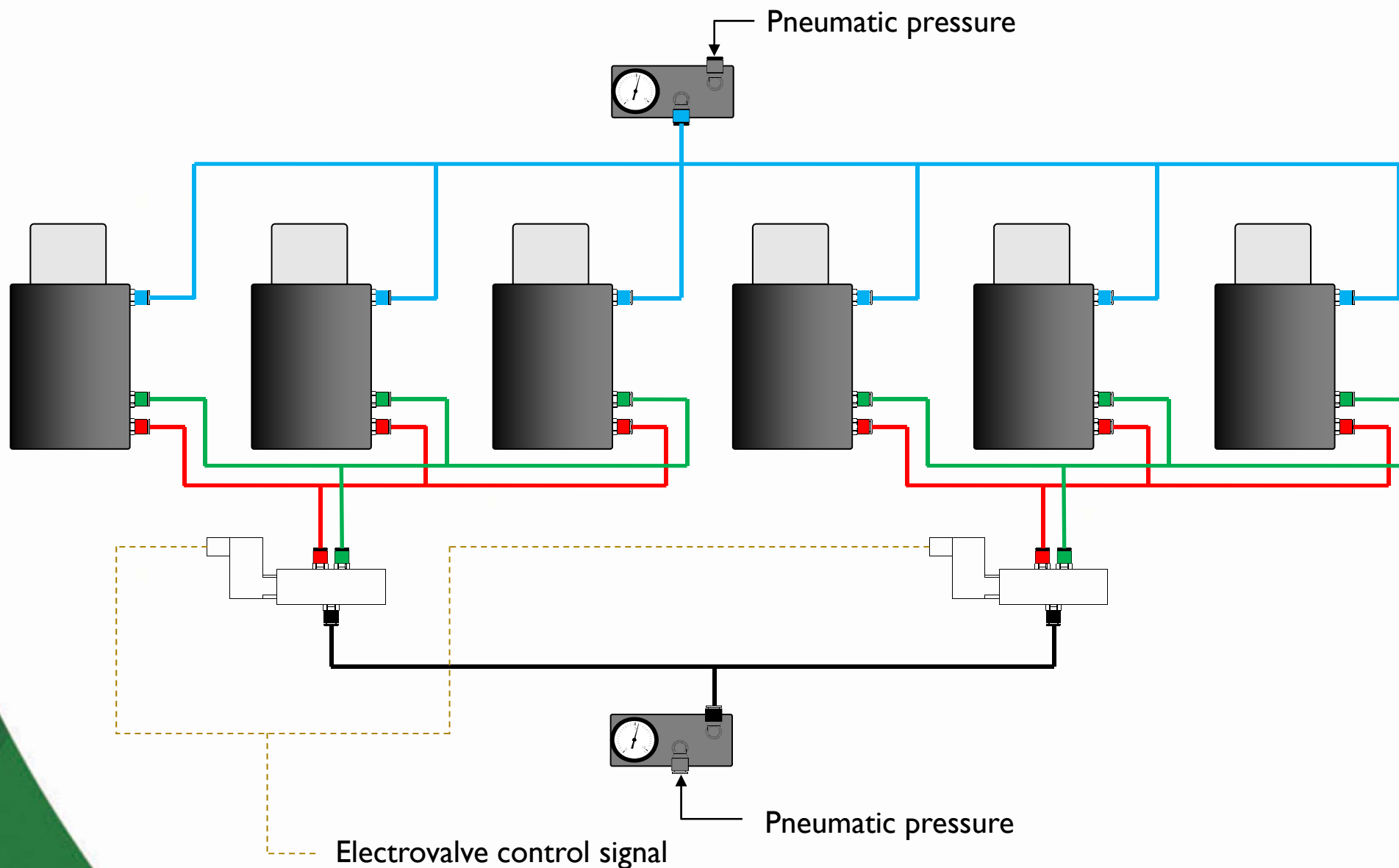
OPERATING LAYOUT



Product description CPC

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CONNECTING LAYOUT



Basic information

NITROGAS

	F _{INITIAL} (daN)	STROKE (mm) *												
		10	20	30	40	50	60	70	80	90	100	110	120	140
CPC-1000	1000	•	•	•	•	•	•	•	•	•	•		•	•
CPC-1500	1500	•	•	•	•	•	•	•	•	•	•		•	
CPC-3000	3000	•	•	•	•	•	•	•	•	•	•	•		
CPC-5000	5000	•	•	•	•	•	•	•	•	•	•			
CPC-6000	6000	•	•	•	•	•	•	•	•	•				
CPC-7500	7500	•	•	•	•	•	•	•	•					

* Other strokes can be produced on request



Initial Force 1000 daN

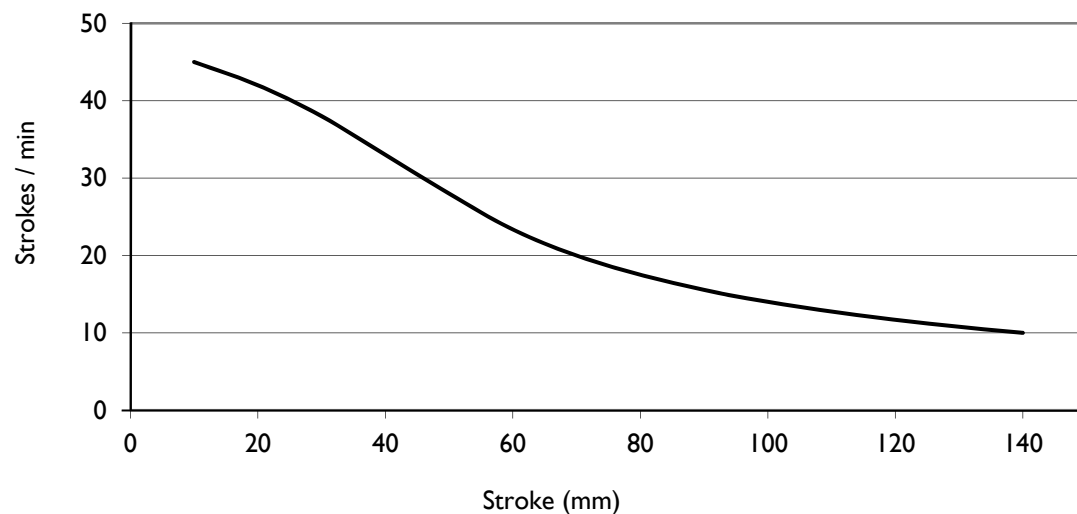
Maximum charging pressure 35 bar

Pressure medium Nitrogen

Operating temperature 0-80°C

Max. Piston rod velocity 1,6 m/s

Recommended max strokes / min



*The dimensions of the cylinder can be modified depending on the project.



Initial Force 1500 daN

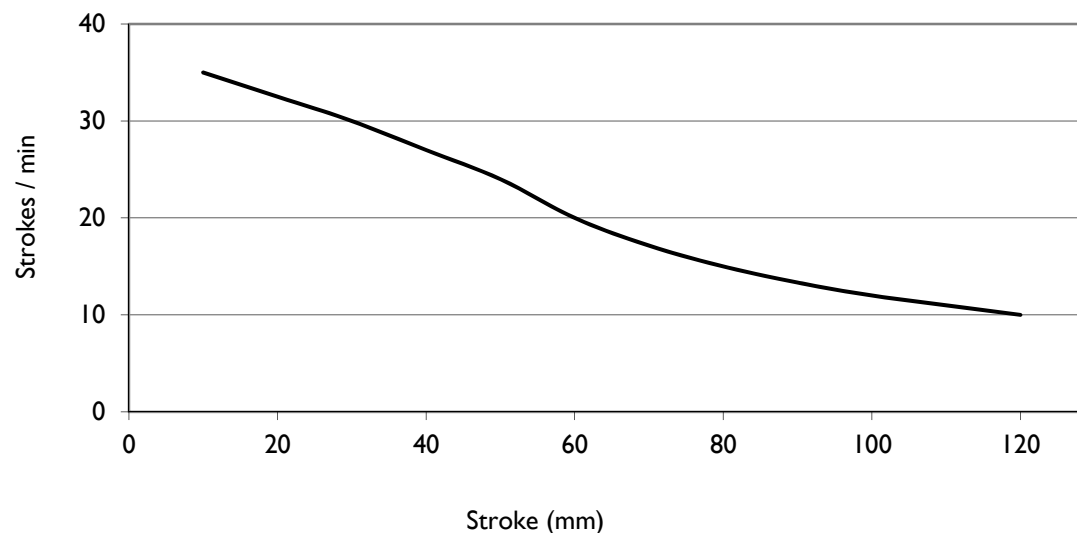
Maximum charging pressure 35 bar

Pressure medium Nitrogen

Operating temperature 0-80°C

Max. Piston rod velocity 1,6 m/s

Recommended max strokes / min



*The dimensions of the cylinder can be modified depending on the project.



Initial Force 3000 daN

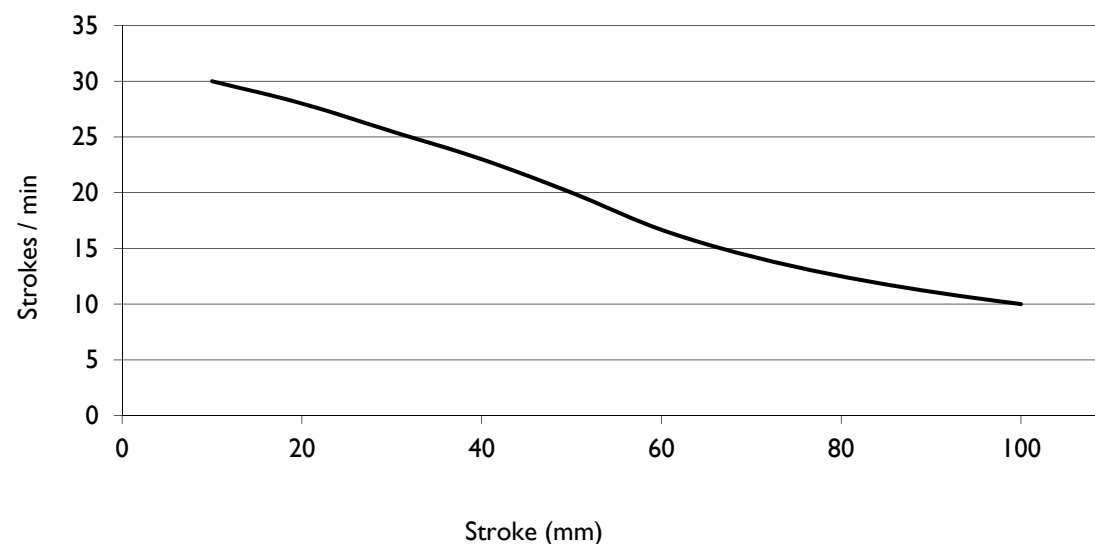
Maximum charging pressure 35 bar

Pressure medium Nitrogen

Operating temperature 0-80°C

Max. Piston rod velocity 1,6 m/s

Recommended max strokes / min



*The dimensions of the cylinder can be modified depending on the project.



Initial Force 5000 daN

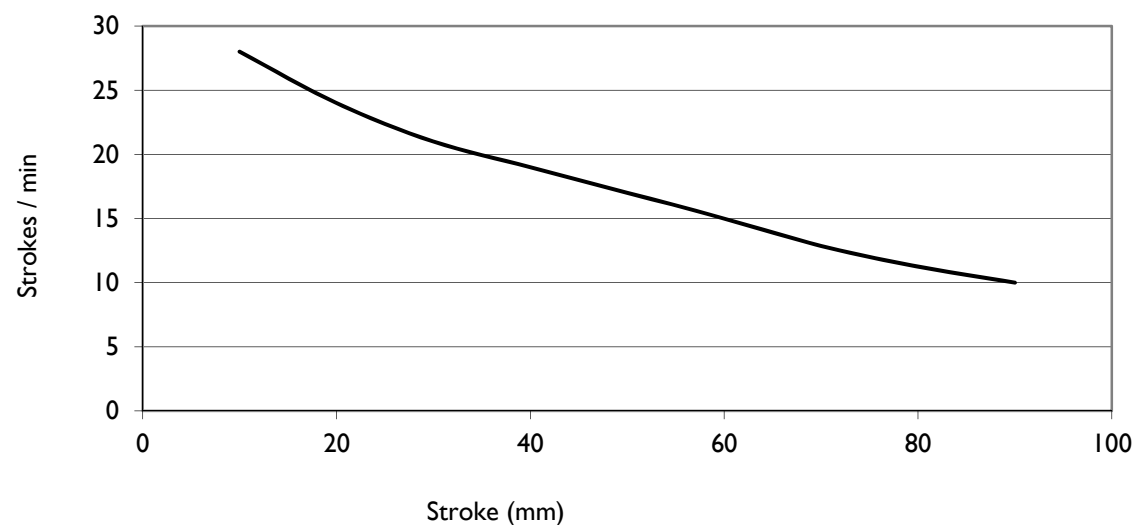
Maximum charging pressure 35 bar

Pressure medium Nitrogen

Operating temperature 0-80°C

Max. Piston rod velocity 1,6 m/s

Recommended max strokes / min



*The dimensions of the cylinder can be modified depending on the project.



Initial Force 6000 daN

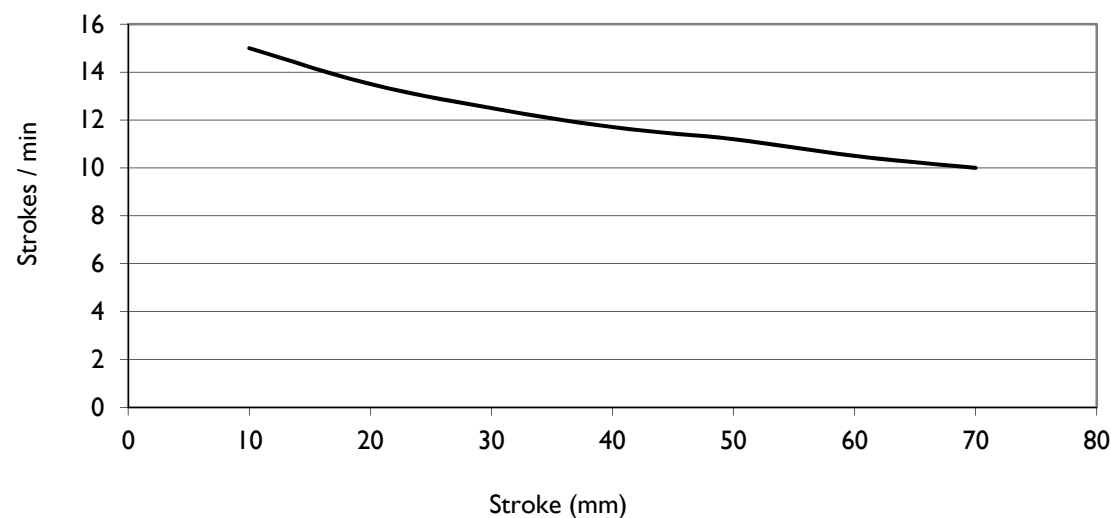
Maximum charging pressure 35 bar

Pressure medium Nitrogen

Operating temperature 0-80°C

Max. Piston rod velocity 1,6 m/s

Recommended max strokes / min



*The dimensions of the cylinder can be modified depending on the project.



Initial Force 7500 daN

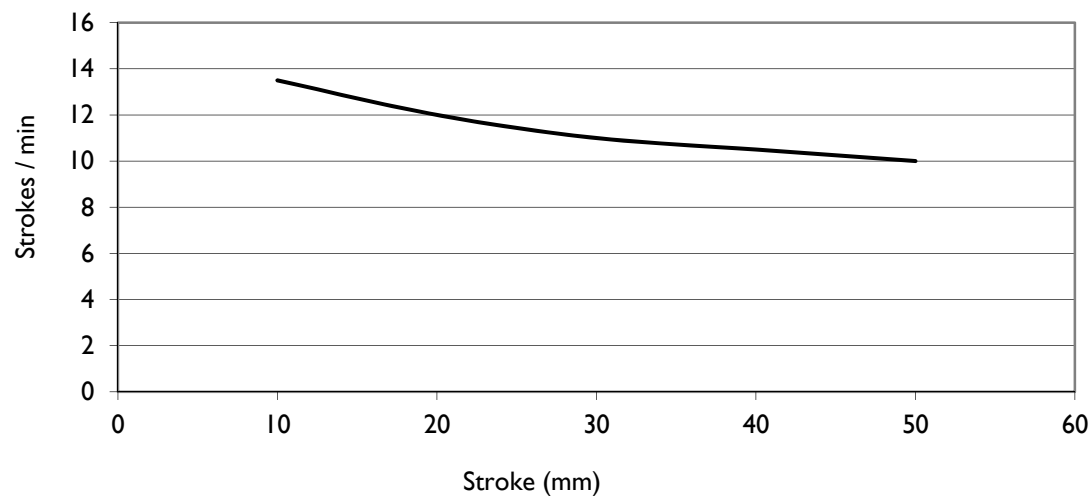
Maximum charging pressure 35 bar

Pressure medium Nitrogen

Operating temperature 0-80°C

Max. Piston rod velocity 1,6 m/s

Recommended max strokes / min

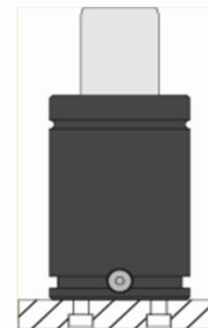
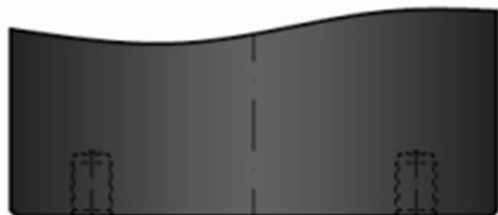
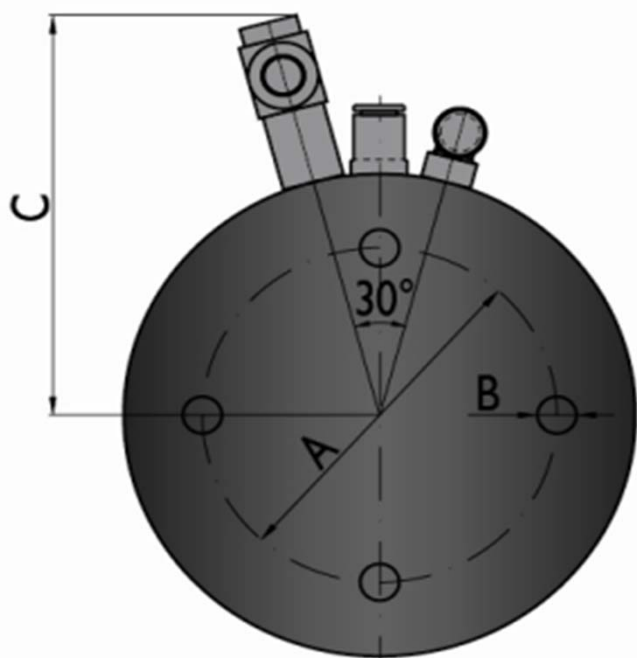


*The dimensions of the cylinder can be modified depending on the project.

FITTING OPTIONS

NITROGAS

1.- BOTTOM MOUNTED

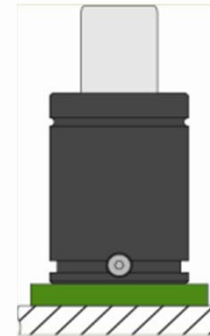
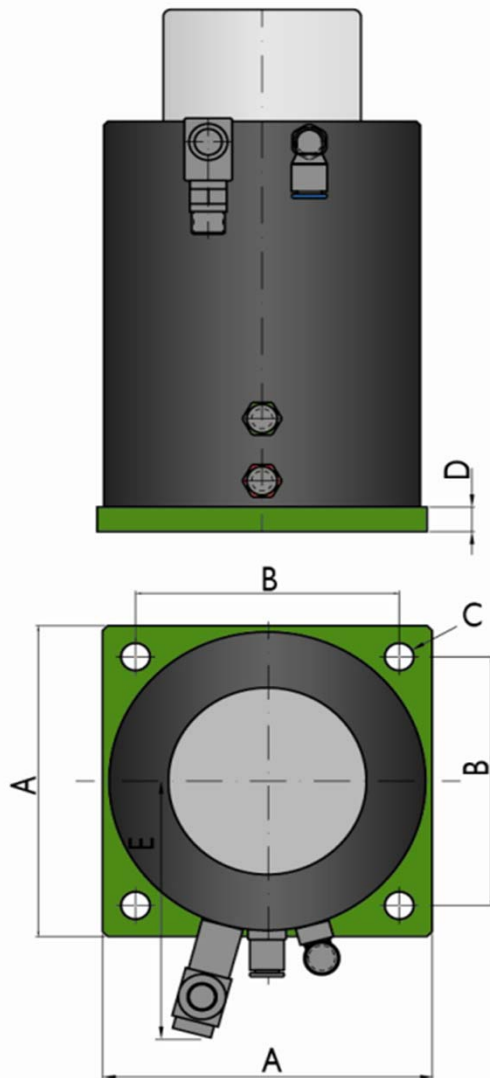


Model	A Ø	B	C
CPC-1000	60	M8 x 12	95
CPC-1500	70	M10 x 12	105
CPC-3000	80	M10 x 13	120
CPC-5000	110	M10 x 14	137,5
CPC-6000	120	M12 x 15	150
CPC-7500	140	M12 x 16	160

FITTING OPTIONS

NITROGAS

2.- FOOT MOUNTED



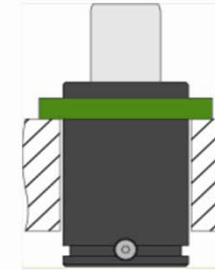
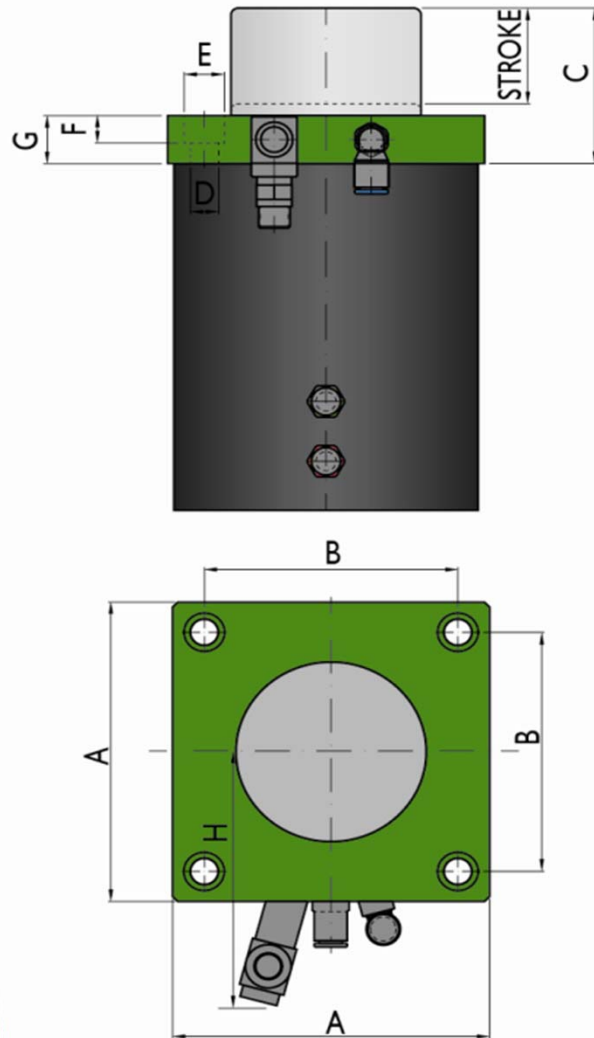
Model	A	B	C Ø	D	E
CPC-1000	100	85	9	10	95
CPC-1500	125	100	11	10	105
CPC-3000	150	125	11	12	120
CPC-5000	185	160	13	12	137,5
CPC-6000	210	180	15	15	150
CPC-7500	230	195	17	15	160

The flange doesn't add height to the gas spring, it's part of the total length shown in the technical page of each model.

FITTING OPTIONS

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3.- TOP MOUNTED



Model	A	B	C	D Ø	E Ø	F	G	H
CPC-1000	100	85	P => 20+STROKE N => 17+STROKE	9	14	10	15	95
CPC-1500	125	100	P => 23+STROKE N => 20+STROKE	11	17	12	18	105
CPC-3000	150	125	P => 23+STROKE N => 20+STROKE	11	17	12	18	120
CPC-5000	185	160	P => 27+STROKE N => 24+STROKE	13	19	14	22	137,5
CPC-6000	210	175	P => 33+STROKE N => 30+STROKE	17	25	18	28	150
CPC-7500	230	195	P => 33+STROKE N => 30+STROKE	17	25	18	28	160

*P – Controllable gas spring with positive spring-back

*N – Controllable gas spring with negative spring-back



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ISO 9001

BUREAU VERITAS
Certification

