



Example: CPG with D-VARIO diaphragm chuck

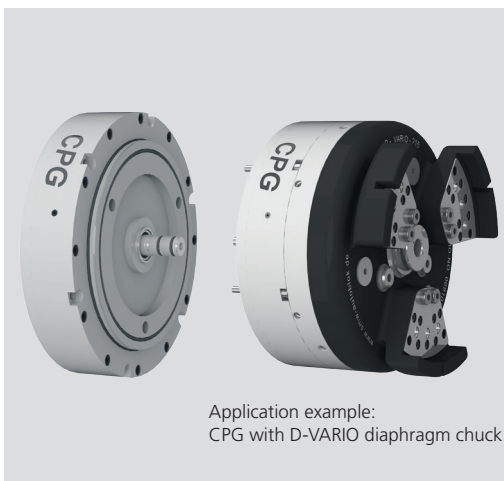
## CPG

**Pneumatic pancake cylinder  
for diaphragm chuck D-VARIO and face driver FDG**

- Easy installation for grinding and turning machines without hydraulic unit
- Operating pressure 2-8 bar
- Medium feed for air / coolant



- Pneumatic actuation (2-8 bar)
- Easy installation for grinding and turning machines



Application example:  
CPG with D-VARIO diaphragm chuck

### Application/customer benefits

- For the actuation of diaphragm chuck D-VARIO and face driver FDG
- Easy installation for grinding and turning machines without hydraulic unit
- Compact design

### Technical features

- Operating pressure 2-8 bar
- Maximum axial piston force push 21 kN and pull 7 kN
- 1 additional medium feed for air / coolant
- Air service unit with water separator and oil feed necessary
- Air feed tube necessary

### Standard equipment

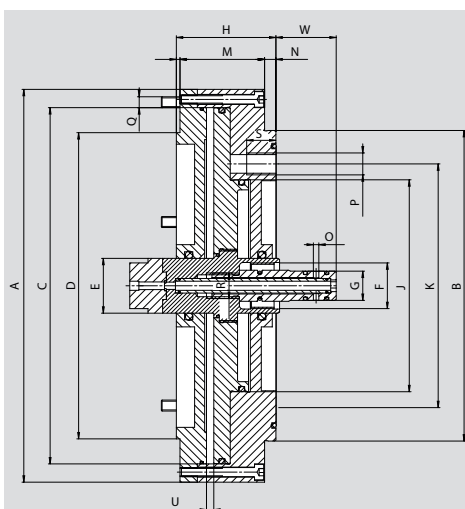
Pneumatic pancake cylinder  
(without air feed tube)

### Ordering example

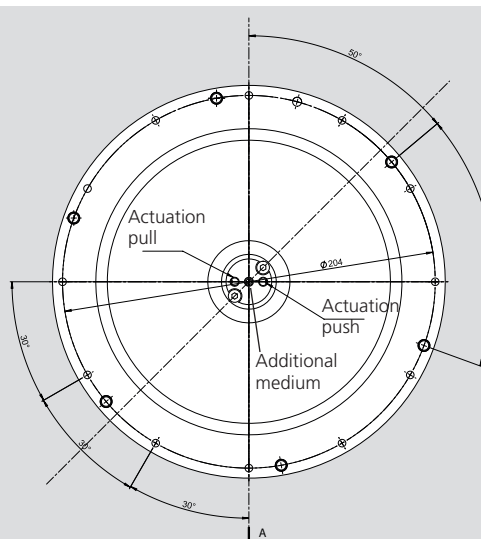
Version D-VARIO Id.No. 045863

Version FDG Id.No. 045891

APFL3 Id.No. 5302595



Subject to technical changes.  
For more detailed information please ask for customer drawing.



### Accessory



APFL3 Air feed tube

3 Connections:  
1x Actuation „push“  
1x Actuation „pull“  
1x Additional medium channel for air/coolant

Id. No. 5302595

## Technical Data

| SMW-AUTOBLOK Type           |   |                   | CPG 215     |
|-----------------------------|---|-------------------|-------------|
|                             | A | mm                | 215         |
|                             | B | mm                | 170         |
|                             | C | mm                | 195         |
|                             | D | mm                | 167.6       |
|                             | E | mm                | 30          |
|                             | F | mm                | M25x1.5     |
|                             | G | mm                | 16          |
|                             | H | mm                | 54.5        |
|                             | J | mm                | 116         |
|                             | K | mm                | 133.4       |
|                             | L | mm                | 2           |
|                             | M | mm                | 46.3        |
|                             | N | mm                | 6.2         |
|                             | O | mm                | 3           |
|                             | P | mm                | 3x M12x120° |
|                             | Q | mm                | M6          |
|                             | R | mm                | M14         |
|                             | S | mm                | 16          |
| Piston stroke               | U | mm                | 4           |
| Axial force 6 bar (pull)    |   | kN                | 5           |
| Axial force at 6 bar (push) |   | kN                | 16          |
| Moment of inertia           |   | kg·m <sup>2</sup> | 0.09        |
| Max. speed                  |   | r.p.m.            | 2.500       |
| Piston area (piston pull)   |   | cm <sup>2</sup>   | 98          |
| Piston area (piston push)   |   | cm <sup>2</sup>   | 291         |
| Operating pressure (**)     |   | bar               | 2-8         |
| Weight                      |   | kg                | 11.1        |

(\*) Version FDG contains reducing flange Z140. Total stroke max. 4mm.

(\*\*) Operating pressure for opening the D-VARIO chuck min. 6 bar