



Schwarzer
Präzision

Eccenter-Diaphragm-Pumps for Gas SP 600 EC Series - Two Heads

oil free
maintenance free
reduced vibrations
quiet
small
lightweight
minimal current consumption



SP 600 EC-TH



SP 670 EC-DH



SP 670 EC-TH

Autoclaves
Air Brush
Gas Detectors
Cooling
Pneumatics
Industrial

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Eccenter-Diaphragm-Pumps for Gas

SP 600 EC Series - Two Heads

The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests. Customised versions for your individual application would be made without extra costs - please contact us.

| Designation | SP 600 EC-TH | SP 670 EC-DH | SP 670 EC-TH |
|----------------|--------------|--------------|--------------|
| Art.No. 12 Vdc | 7.52.95 | 7.52.46 | 7.52.90 |
| Art.No. 24 Vdc | 7.52.96 | | 7.52.99 |

Pneumatic Performance

| at: | rated Voltage | | rated Voltage | | | | rated Voltage | |
|-------------------|---------------|------|---------------|------------|------|------|---------------|------|
| | ser. | par. | small head | large head | ser. | par. | ser. | par. |
| free flow [l/min] | 2,6 | 4,0 | 3,0 | 5,5 | 5,5 | 7,5 | 4,6 | 7,8 |

Pressure side:

| flow at: | rated Voltage | | rated Voltage | | | | rated Voltage | |
|----------------------|---------------|------|---------------|------------|------|------|---------------|------|
| 300 mbar [l/min] | ser. | par. | small head | large head | ser. | par. | ser. | par. |
| max. Pressure [mbar] | 2500 | 1000 | 1500 | 850 | 2200 | 1500 | 1200 | 740 |

Vacuum side:

| flow at: | rated Voltage | | rated Voltage | | | | rated Voltage | |
|--------------------|---------------|------|---------------|------------|------|------|---------------|------|
| -200 mbar [l/min] | ser. | par. | small head | large head | ser. | par. | ser. | par. |
| max. Vacuum [mbar] | 700 | 490 | 640 | 500 | 830 | 610 | 750 | 480 |

Power Consumption

| Motor Type | Iron Core DC Motor with Double Ball Bearings and Electromagnetic Suppression | | | | | | | |
|-------------------|--|-----|-----|-----|------|------|-----|-----|
| max. current [mA] | 475 | 250 | 550 | 600 | 1500 | 1100 | 640 | 350 |

Material

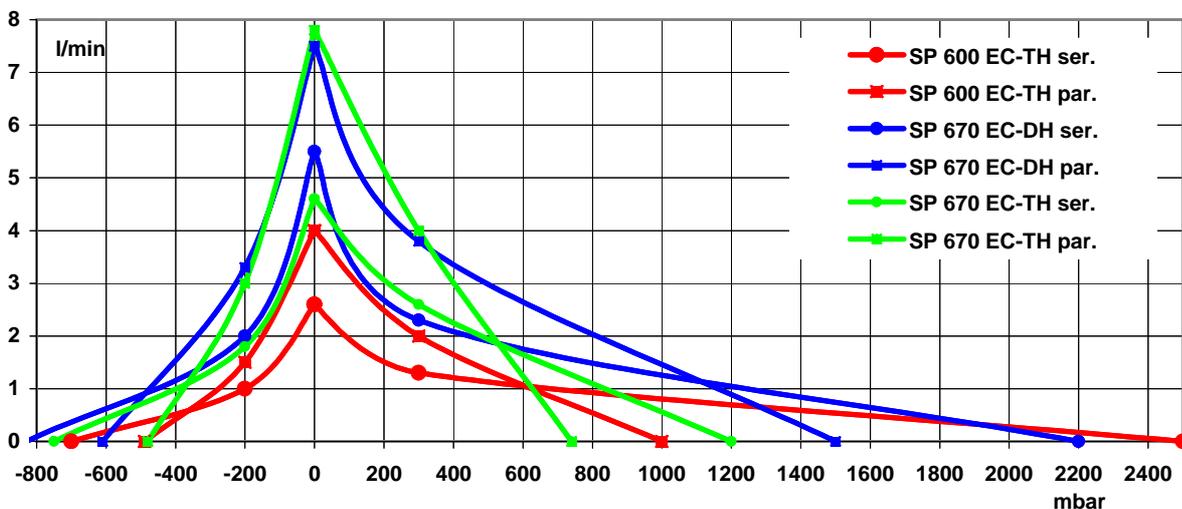
Pump Body/Head

| | | | |
|----------|-----|----------------------------------|-----|
| Standard | PA6 | PA 6 | PA6 |
| Optional | | customer specific - upon request | |

Diaphragm, Valves

| | | | |
|----------|-------|-------|-------|
| Standard | EPDM | EPDM | EPDM |
| Optional | Viton | Viton | Viton |

Performance Curves



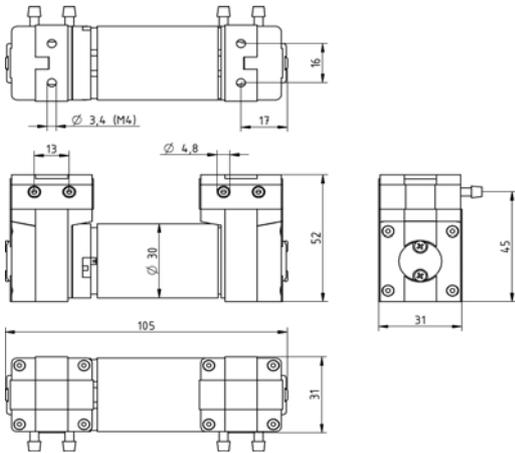


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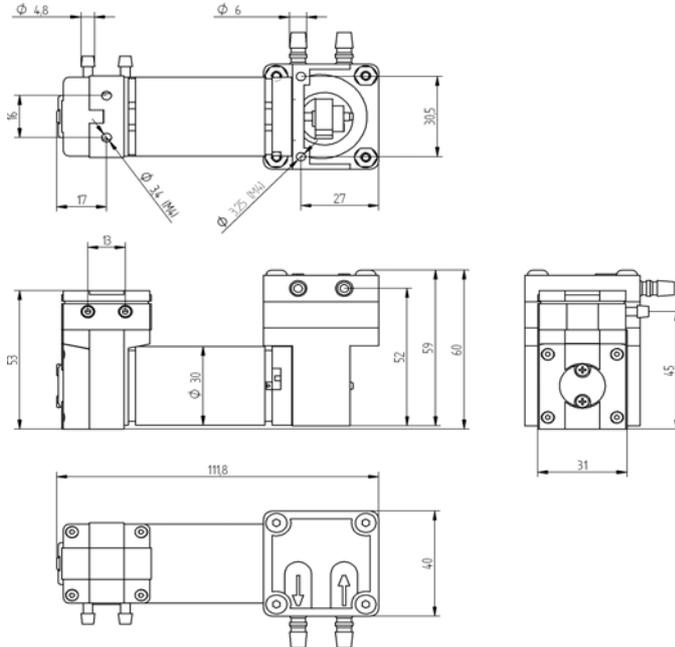
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Drawings

SP 600 EC-TH



SP 670 EC-DH



SP 670 EC-TH

