



# SP 720 EC ▪ SP 725 EC Liquid

The pumps listed on this data sheet represent a cross-section of the large number of possibilities for each pump type. Based on our modular pump design, all pumps can be customised exactly to meet the needs of your application - within days and at standard pricing. Please contact us for details.



SP 725 EC-L (DC)  
DC motor



SP 720 EC-L (AC)  
AC motor

## Product Features

- Chemical resistant versions available
- Small size and low weight
- Suitable for any mounting orientation
- Oil-free, maintenance-free
- Self-priming
- Low vibration and sound level

## Typical Applications

- Fuel cells
- Kidney dialysis
- Laboratory analysis
- Pipetting
- Cleaning and disinfection
- Inkjet printing



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| TYPE                                     | SP 725 EC-L (DC)                       |         | SP 720 EC-L (AC)                 |
|------------------------------------------|----------------------------------------|---------|----------------------------------|
| Operating Voltage [Vdc]                  | 12                                     | 24      | -                                |
| Operating Voltage [Vac]                  | -                                      | -       | 230                              |
| Frequency [Hz]                           | -                                      | -       | 50                               |
| Art. No.                                 | 7s20314                                | 7s20315 | 7s54011                          |
| max. Nominal Current [mA]                | 2500                                   | 900     | 400                              |
| PERFORMANCE                              |                                        |         |                                  |
| max. Flow [ml/min]                       | 1050                                   | 1050    | 700                              |
| max. Pressure [m H <sub>2</sub> O]       | 15                                     | 15      | 15                               |
| max. Suction Height [m H <sub>2</sub> O] | -6,5                                   | -6,5    | -6,5                             |
| max. Vacuum (dry) [mbar]                 | -700                                   | -700    | -700                             |
| MOTOR                                    |                                        |         |                                  |
| Standard Motor                           | iron core                              |         | shaded pole                      |
| Standard Bearings                        | ball bearings                          |         | ball bearings                    |
| Motor Connection                         | 2 wires                                |         | soldering lugs / flat connectors |
| Optional Motor                           | n/a                                    |         | n/a                              |
| Optional Bearings                        | n/a                                    |         | n/a                              |
| MATERIALS                                |                                        |         |                                  |
| Standard Pump Head                       | PPS                                    |         |                                  |
| Optional Pump Head                       | customer specific (upon request)       |         |                                  |
| Standard Diaphragm                       | EPDM                                   |         |                                  |
| Optional Diaphragm                       | FKM / customer specific (upon request) |         |                                  |
| Standard Valves                          | EPDM                                   |         |                                  |
| Optional Valves                          | FKM / customer specific (upon request) |         |                                  |
| Standard Gaskets                         | EPDM                                   |         |                                  |
| Optional Gaskets                         | FKM / customer specific (upon request) |         |                                  |
| HYDRAULIC CONNECTION                     |                                        |         |                                  |
| Standard Connectors                      | barbed connectors                      |         |                                  |
| Optional Connectors                      | n/a                                    |         |                                  |
| DIMENSIONS + WEIGHT                      |                                        |         |                                  |
| Dimensions [mm] W x H x L                | 43 x 74,5 x 106                        |         | 65 x 95,4 x 121                  |
| Weight [g]                               | 570                                    |         | 858                              |

Flow values are subject to the standard conditions specified in DIN 1343. The use of other materials may cause deviations in performance values.

The technical data shown on this data sheet represents the typical mean values achieved by the products in our standard testing procedure.

All data provided is for information only and does not represent production values.

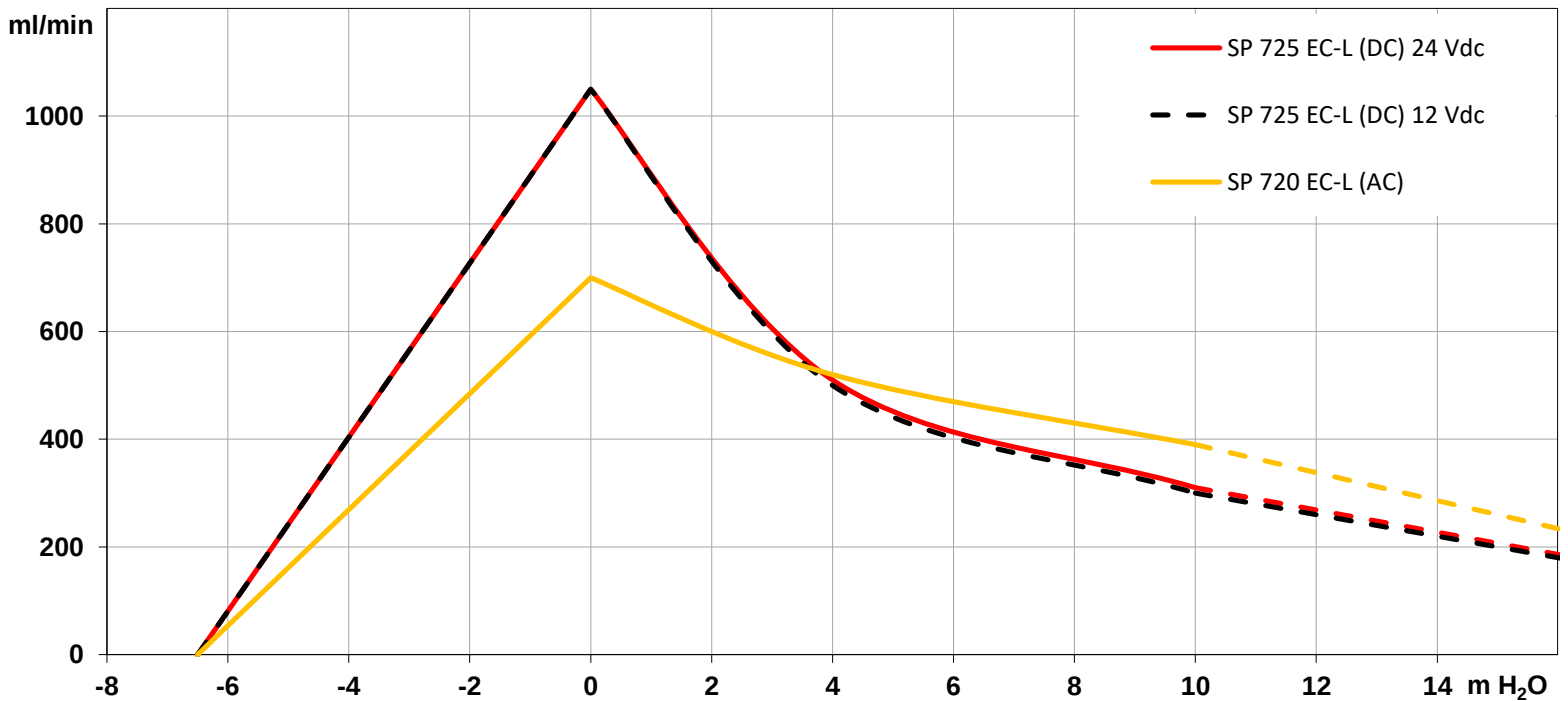
Standard products are subject to change without notice.

13.12.2022

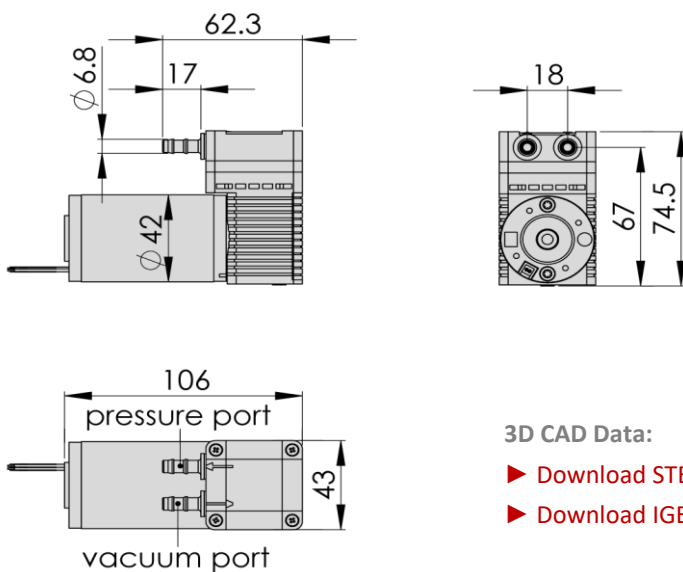


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## PERFORMANCE DIAGRAM | SP 725 EC-L (DC) ▪ SP 720 EC-L (AC)



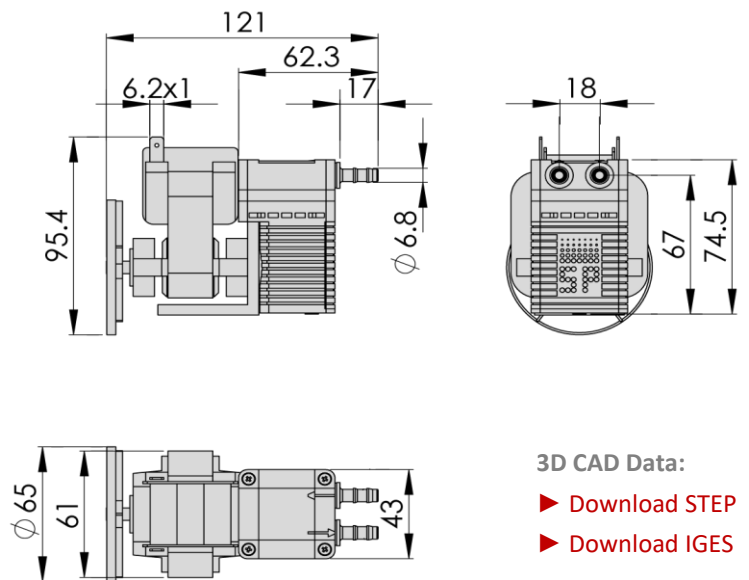
## DRAWING | SP 725 EC-L (DC)



3D CAD Data:

- Download STEP
- Download IGES

## DRAWING | SP 720 EC-L (AC)



3D CAD Data:

- Download STEP
- Download IGES

Drawing shows standard orientation of pneumatic connectors (3 alternative orientations possible).

You can also download the 3D CAD files from the SP website: ► [www.schwarzer.com/download](http://www.schwarzer.com/download)

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