SP 135 FZ ▪ SP 140 FZ

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 135 FZ
SP 140 FZ

PRODUCT FEATURES

- High efficiency for mobile devices
- Smallest size and low weight
- Suitable for any mounting orientation
- Durable design, oil-free and maintenance-free
- Linear performance characteristic
- Low vibration and sound level

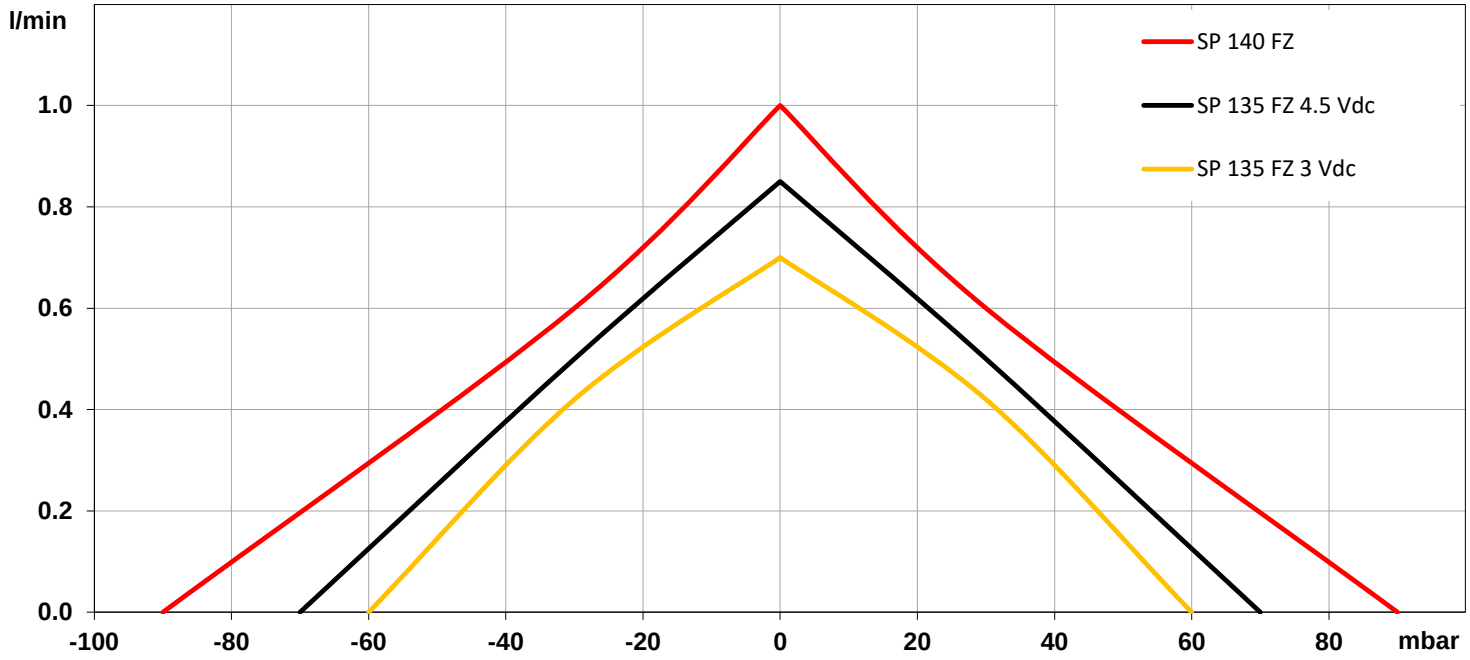
TYPICAL APPLICATIONS

- Exhaust and flue gas analysis
- Personal gas detectors
- Gas sampling
- Patient monitoring
- Pipetting

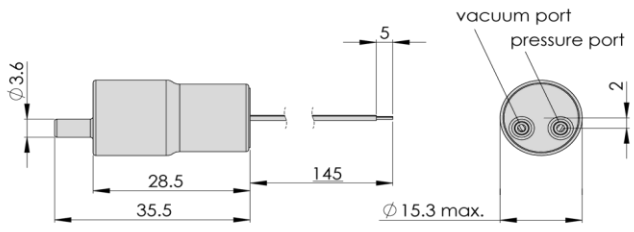
SP 135 FZ ▪ SP 140 FZ

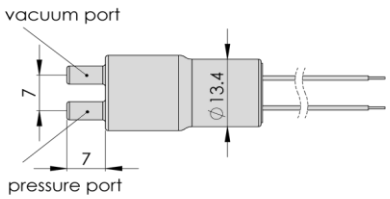
TYPE	SP 135 FZ		SP 140 FZ		
		24h quick availability			
Operating Voltage [Vdc]	3	4.5	4.5	6	12
Art. No.	7s60044	7s20090	7s60085	7s60083	7s60084
max. Nominal Current [mA]	130	120	180	170	150
PERFORMANCE					
max. Flow [l/min]	0.7	0.85	1.0	1.0	1.0
max. Pressure [bar]	0.06	0.07	0.09	0.09	0.09
max. Vacuum [mbar]	-60	-70	-90	-90	-90
MOTOR					
Standard Motor	coreless				
Standard Bearings	sintered bearings				
Motor Connection	2 wires				
Optional Motor	n/a				
Optional Bearings	n/a				
MATERIALS					
Standard Pump Head	KH graphite + TP				
Optional Pump Head	n/a				
PNEUMATIC CONNECTION					
Standard Connectors	straight connectors				
Optional Connectors	n/a				
DIMENSIONS + WEIGHT					
Dimensions [mm] W x H x L	15.3 x 15.3 x 35.5				
Weight [g]	13.5				
OPERATING CONDITIONS					
Storage Temperature [°C]	0 – 40 (extended temperature ranges on request)				
Ambient Temperature [°C]	0 – 40 (extended temperature ranges on request)				
Temperature of Media [°C]	0 – 40 (extended temperature ranges on request)				
Acceptable Humidity [%rH]	5 – 80 (non condensing)				

PERFORMANCE DIAGRAM | SP 135 FZ ▪ SP 140 FZ



DRAWING | SP 135 FZ ▪ SP 140 FZ





3D CAD Data:

► Download STEP

► Download IGES

All dimensions given in [mm].

You can also download the 3D CAD files from the SP website: ► www.schwarzer.com/download

DISCLAIMER

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. 08.05.2025