

Standard 'LPC' Air Compressors



Specialist air compressors have been the backbone of SEP since its inception over 30 years ago. We manufacture a comprehensive range of compact, self-contained air compressors suitable for dry, pre-action, alternate or tail-end sprinkler systems.

All of our compressors are designed to comply with LPC, EN12845 guidelines, FM Approvals, PED 97/23/EC, and are fully set and tested prior to despatch. All compressors are available with air receivers (a requirement for FM and NFPA systems), or for low-pressure applications. For higher capacities (e.g. large systems, multiple valve sets, and older 'leaky' systems) belt driven compressors are available.

Our compressors are built and tested to exacting standards for quality, reliability and longevity. Please go to our 'Downloads' page for more detailed data sheets, O&M documentation and our easy-reference notes on LPC and FM guidelines.



Key Features

- Standard: Danfoss pressure switch set ~2.5-3.5 bar (minimum differential 0.8 bar).
- Low pressure upgrade*: for cut-out below 2.5 bar or differential between 0.15-0.8 bar.
* As an alternative to low-pressure special models, you may consider a standard unit plus Air Maintenance Device.
- Pressure safety relief valve to suit factory set pressure.
- Glycerine filled 63mm pressure gauge.
- Contactor starter with thermal overload electrical protection.
- Unloader valve and non-return valve prevents compressor starting under load.
- On-delay timer (400v models require neutral for a 230v supply) to prevent immediate cut-in in the event of sprinkler activation, reduce the number of starts and promote longevity.
- 0.5m flexible hose (1m available) with ½" adaptor for system connection.
- Integrated brackets for wall-mounting (floor-mounting kits available).
- Hard-wearing powder coated frame in our trademark silver hammer.
- Air receiver models include 24-270 litre receiver with manual drain valve (auto-drain option available).
- **New for 2023:** 1.5kw ultra-quiet oil-free, with 24L receiver.
- **New for 2023:** 2.2kW mid-range mounted on 50L receiver.
- **New for 2024:** 1.5kw oil-free standard (replaces SEP550S/OF).



Continued overleaf

The table below demonstrates our range of specialist compressors, in order of approximate output. Detailed datasheets for each model are available from our Downloads page.

Model Ref	FAD Cfm/lpm @ ~2 bar	Gross Cfm/lpm	Power Volt/Ph*	kW/HP	Noise dB(A)
SEP0.7S/OFQ	3.8/108	5.8/165	230/1	0.75/1.0	* 58 *
SEP1.5S/OFQ	6.0/170	7.7/220	230/1	1.5/2.0	75
SEP1.5S	6.4/180	7.6/220	230/1	1.5/2.0	76
SEP1.8S	7.2/205	8.7/250	230/1	1.8/2.5	76
SEP1.8T	7.2/205	8.7/250	400/3	1.8/2.5	77
SEP1.5S/OFQ	7.6/215	8.2/232	230/1	1.5/2.0	* 58 *
SEP2.2S	9.7/275	11.9/336	230/1	2.2/3.0	77
SEP10.3S	10.1/285	14/400	230/1	2.2/3.0	77
SEP10.3T	10.1/285	14/400	400/3	2.2/3.0	77
SEP13.8S	13.5/380	18/500	230/1	3.0/4.0	77
SEP17.0T	17.7/500	23/650	400/3	4.0/5.5	77
SEP23.0T	23.0/650	30/820	400/3	5.5/7.5	77
SEP27.0T	27.0/760	38/1,080	400/3	7.5/10	77

For **3-phase 400v models**, please advise if the power supply has a neutral connection.

For models with **air receiver/tank**, simply add "**AR**" to above Model Ref when enquiring/ordering.

If you require **cut-out <2.5 bar OR differential <0.8 bar**, simply add "**LP**" to above Model Ref when enquiring/ordering, or ask about our excellent value Air Maintenance Devices.

Only the most popular models are shown in the table above; please contact us if you require something different - we pride ourselves on our responsiveness, flexibility and quality and are therefore happy to manufacture to your own requirements wherever possible.

- for higher outputs, one of our **base-mount** compressors.



- for higher outputs and/or critical backup applications, ask us about our unique **duplex** stations.



- for very cold environments, ask us about our **air dryer sets**.



SEP2.2S with 50L air receiver