

SEP Separators and SEPC Condensers



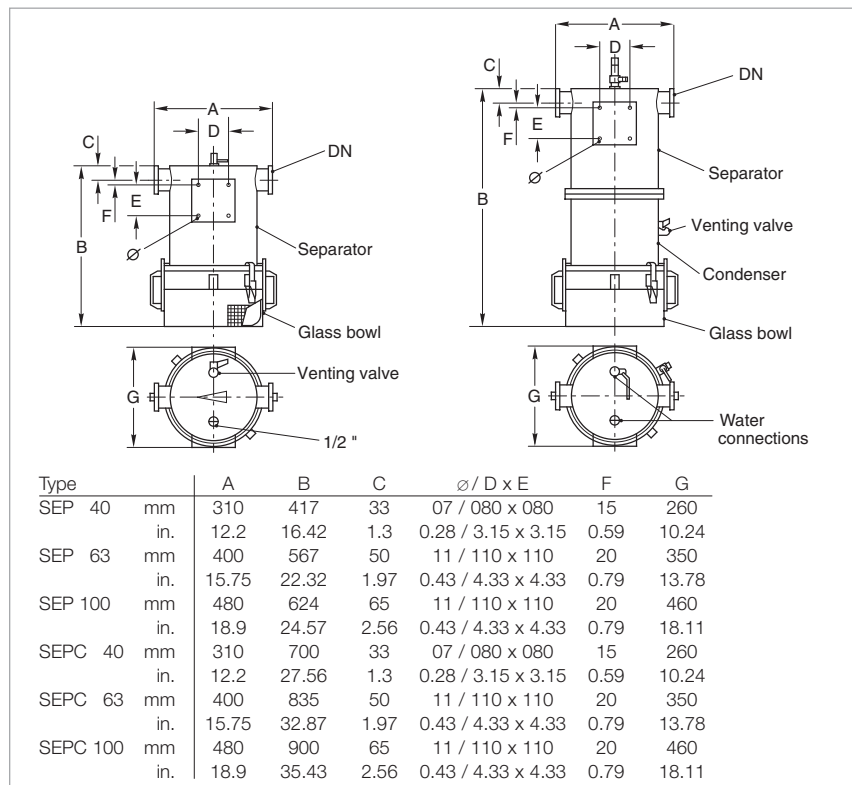
The separators from the SEP and the condensers from the SEPC range have been designed to be integrated in the vacuum circuit. They are employed in all those cases where the pumped gases may contain liquid drops (SEP), condensable vapors (SEPC) or solid particles which may impair proper operation of the pumps.

Advantages to the User

- Large capacity for solids
- Large condensation surface (SEPC)
- Visible level
- Easy to disassemble for cleaning
- Easy to drain, even in the presence of solids

Typical Applications

- Draining (SEP)
- Packaging (SEP)
- Conveying/filling under vacuum (SEP/SEPC)
- Drying (SEPC)
- Degassing (SEPC)
- and many more



Dimensional drawings for the separators (left) and condensers (right)

Technical Data

		SEP 40	Separator SEP 63	SEP 100
For pump	SOGEVAC	SV 40 B/65 B/100 B	SV 200/300	SV 630 (F)/750
Connection flange	DN	40 ISO-KF	63 ISO-K	100 ISO-K
Capacity of the bowl	l (qt)	6.0 (6.3)	12.0 (12.7)	12.0 (12.7)
Weight	kg (lbs)	15.0 (33.1)	20.0 (44.1)	40.0 (88.2)

Ordering Information

	SEP 40	Separator SEP 63	SEP 100
Steel design	Part No. 953 54	Part No. 953 56	Part No. 953 60
Stainless steel design	Part No. 953 55	Part No. 953 57	Part No. 953 61
Support	Part No. 712 43 380	Part No. 712 43 380	Part No. 712 43 380

Technical Data

		SEPC 40	Condenser SEPC 63	SEPC 100
For pump	SOGEVAC	SV 40 B/65 B/100 B	SV 200/300	SV 630 (F)/750
Connection flange	DN	40 ISO-KF	63 ISO-K	100 ISO-K
Capacity of the bowl	l (qt)	6.0 (6.3)	12.0 (12.7)	12.0 (12.7)
Condensation area	m ²	2.5	5.0	5.0
Condensation capacity ¹⁾	l/h	10	20	20
Cooling water flow rate ²⁾	l/h	1500	3000	3000
Water connection dia.	mm (in.)	19.0 (0.75)	19.0 (0.75)	19.0 (0.75)
Weight	kg (lbs)	30.0 (66.2)	40.0 (88.2)	65.0 (143.3)

Ordering Information

	SEPC 40	Condenser SEPC 63	SEPC 100
Steel design	Part No. 953 64	Part No. 953 66	Part No. 953 68
Stainless steel design	Part No. 953 65	Part No. 953 67	Part No. 953 69
Support	Part No. 712 43 380	Part No. 712 43 380	Part No. 712 43 380

¹⁾ For water vapor at a vapor pressure of 60 mbar (45 Torr)

²⁾ Cooling water at a supply temperature of 10 °C (50 °F) and a discharge temperature < 15 °C (< 59 °F)

Remark: The stainless steel condensers have a copper heat exchanger coil

If required, the following products from the Product Section C01 "TRIVAC" can be used for the small pumps SOGEVAC SV 10 to SV 25: condensate traps / separator AK, chapter "Accessories for TRIVAC".
Condensers for the large pump SOGEVAC SV 1200 upon request