

**NEW
MODEL**

CYCLONE SEPARATORS - **SPC**

Condensate separation and draining

Water is one of the main contaminants of compressed air.

The **cyclone separator** is specially designed for the efficient **separation** and **elimination** of the largest **solid particles** as well as **water droplets** in compressed air.

Inside the tank, a **fin system** drives the compressed air in a rotational movement.

Particulate matter is projected against the walls of the tank, under the effect of centrifugal force, then guided towards the base.

Condensates are then drained via the **automatic float drain**.



Advantages

- Sturdy construction
- Efficient separation of air and water
- Cost-effective and dependable operation
- Applications for flow rates from 91 to 753 Scfm and for all industries.

Efficiency

- Greater than 98% at nominal flow rate and at 7 bar, temperature 20°C, particle size from 10 µm to 50 µm.

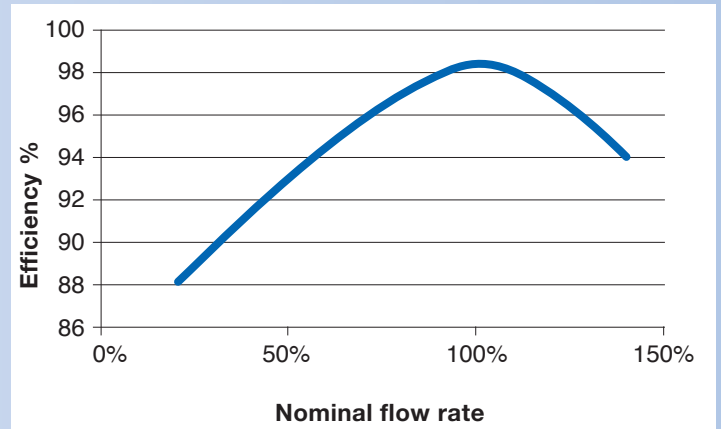
Classification according to ISO 8573-1
Water: Class 8

Typical applications for the SPC separator:

- compressor outlet
- tank outlet
- prefilter for refrigerated dryers
- prefilter for submicron filters

WATER SEPARATORS - SPC

- Max. pressure:.....0 - 16 bar
- Temperature:+ 1,5° C to 65° C
- Body construction:Anodised aluminium
- External coating:..... Polyester-based epoxy paint
- Tank gasket material:..... NBR
- Cyclone component:..... PA6 30% glass fibre, Steel
- Separation:..... Greater than 98% at nominal flow rate and at 7 bar, temperature 20°C, particle size from 10 µm to 50 µm.



	References	Female thread	Flow rate in Nm ³ /h	Tank volume US Gallon	Weight	A	B	C	D
	SPC 155	G 1/2	155	0,12	0,7	187	88	20	60
SPC 235	G 3/4	235	0,16	0,8	257	88	20	80	
SPC 365	G 1	365	0,41	1,8	263	125	32	100	
SPC 770	G 1 1/2	770	0,74	2,5	461	125	32	140	
SPC 1280	G 2	1280	1,6	5,1	684	163	43	520	

Operating pressure

To calculate the actual capacity of the separator as a function of the system pressure, multiply the given nominal flow rate by the correction factor (C_{op}) in the table below.

[bar]	2	3	4	5	6	7	8	9	10	11	12	12	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C _{op}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

Note:

Separators and filters do not achieve totally water-free air.
It is essential to use a compressed air dryer to eliminate water from the air.