

# Vertical Cyclonic Separators

Separation : Liquid/Solid  
Equipment : CYCLONE  
Media : permanent  
Cyclonic separation

## Applications:

Separation of high density solids suspended in a low viscosity fluid (water).

## Micron rating:

50 to 100 microns, according to specific weight difference between fluid and solid.

**Operating pressure:** 9 bar standard.

## Flow rate in m<sup>3</sup>/h:

see following table for standard series.

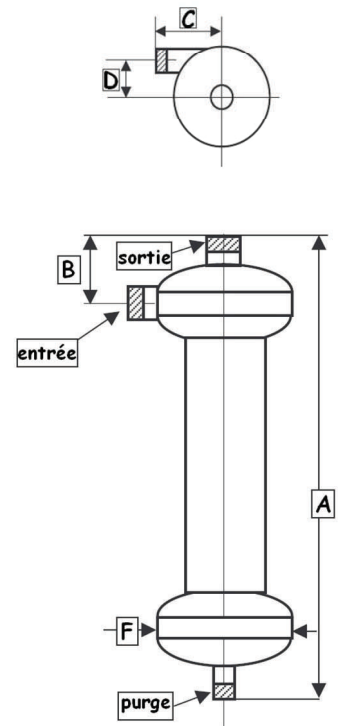
## Pressure drop :

from 0.4 bar (minimum flow-rate) to 0.9 bar (maximum flow-rate)

## Advantage :

**No moving part, Low cost**

**A system range from 0.7 m<sup>3</sup>/h to 65 m<sup>3</sup>/h for vertical units, and from 60 m<sup>3</sup>/h to 700 m<sup>3</sup>/h for horizontal systems**



Type	Flow-rate M3/h	Weight kg	A	B	F	C	D	E/S
SLV 01	0.7 à 1.6	3.5	410	70	102	90	35	3/8"
SLV 02	1.2 à 2.6	8.2	518	111	168	112	60	1/2"
SLV 03	2.7 à 4.6	8.5	521	111	168	114	60	3/4"
SLV 06	4.7 à 7.6	12.3	759	111	168	114	55	1"
SLV 09	6.6 à 11.2	12.6	759	111	168	114	50	1 1/4"
SLV 12	11 à 16	13.5	759	111	168	118	50	1 1/2"
SLV 19	15 à 23	26.2	838	119	219	140	70	2"
<b>E/S are threaded for SLV 1 to 19, and flanged for SLV 28 and 50</b>								
SLV 28	22 à 34	33	850	125	219	185	65	DN65
SLV 50	34 à 65	48	995	162	273	210	75	DN80

## Minimum required data for enquiry:

Type of fluid and application.  
Nominal and design pressure.

Nominal and design flow capacity  
Required micron rating.