

CENTRIFUGAL SEPARATORS, THE SCV SERIES

Application areas :

Industrial filtration : Nozzle Protection, Prefiltration, Heat Exchanger Protection, Sump -, Basin, - Tank Cleaning.

Industries : Metal Industry (Steel mills, Aluminium, etc...), Food Processing, Pulp-and Paper, Power plants, Petroleum, Gas, Coal, Automotive, Chemical.

Heating, Ventilation, Air/Conditioning : Cooling Tower Applications, Heat Exchanger Protection, Make-up water filtration.

Agriculture/Irrigation : Elimination of sand and other solid particles.

Prefiltration in Water Treatment Installations.

Advantages: Centrifugal separators have no moving parts and no filter elements, screens, bags or cartridges and have therefore a number of advantages compared to conventional filtration methods:

NO MAINTENANCE. Equipped with an automatic purge valve, separated particles are evacuated without human intervention, fully automatically.

MAJOR COST SAVINGS.

* No costs for filter elements, cartridges, bags.

* No cleaning costs.

* No downtime. No need to stop production process for cleaning of or exchange of filter elements.

* Very little liquid loss by purging compared to major losses by backwashing of automatic strainers or sand media filters.

Specifications : 1. Flow range: SCV models 0,6-90 m3/h, SCI models 65-2700 m3/h. For higher flow rates, mounting of separators in parallel is possible.

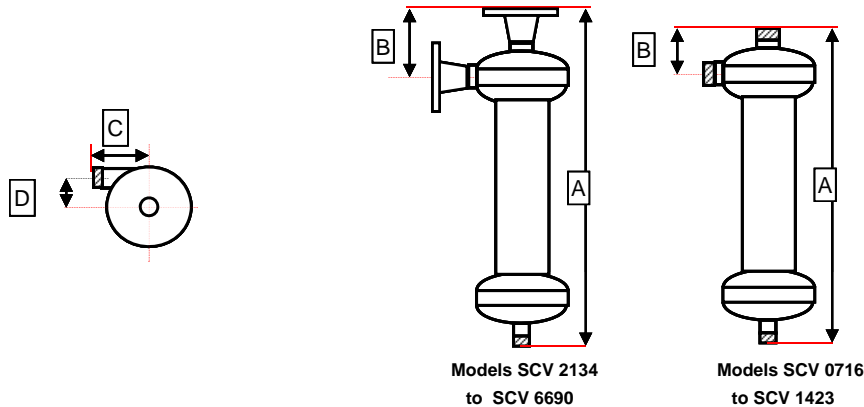
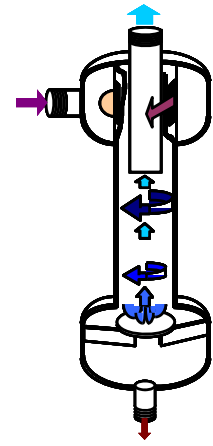
2, Pressure loss range : 0,3 - 0,9 bar.

3. Material of construction : Carbon steel, stainless steel 304L or 316L standard. Other materials on request : for instance carbon steel separators with epoxy coating or separators manufactured in uranium (duplex stainless steel).

4. Liquid pressure - temperature : Min.1 bar, Max.12 bar for standard SCV models at ambient temperature. At 90°C, max.10bar. For smaller SCI units (DN100, 4" - DN250, 10" inlet/outlet), min.1 bar max.10 bar at 80°C. Larger SCI models (DN300, 12" up to DN500, 20" inlet/outlet) generally 10bar/40°C. Separators for higher pressures/temperatures available. Consult factory.

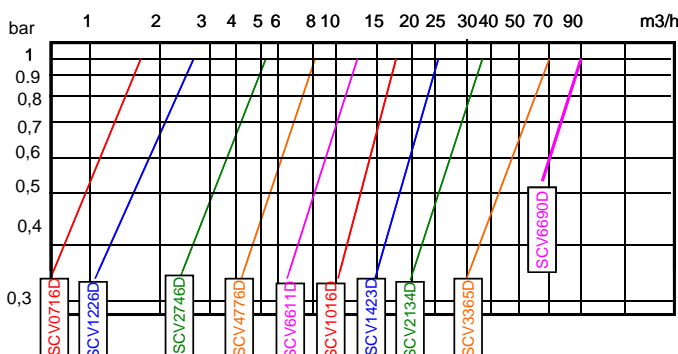
5. Connections : Standard SCV series, threaded BSPM or flanges PN16. See product data literature. Other possibilities on request. Standard SCI models, PN10.

6. Our products are manufactured in conformity to European Directives 97/23/CEE. Separators designed to and manufactured according to ASME, TÜV, etc, available on request.



General Specifications and Dimensions(mm)

Not dismountable Model	Flow m3/h		inlet outlet	A	B	C	D	Drain Male	Particle max.size
	mini	maxi							
SCV 0716D	0.7	1.6	BSP 3/8"	410	70	90	35	3/4"	6 mm
SCV 1226D	1.2	2.6	threads 1/2"	518	111	112	60	3/4"	6 mm
SCV 2746D	2.8	4.6	3/4"	521	111	114	60	3/4"	6 mm
SCV 4776D	4.7	7.6	1"	759	111	114	55	3/4"	6 mm
SCV 6611D	6.6	11	1"1/4	759	111	114	50	3/4"	9 mm
SCV 1016D	10	16	1"1/2	759	111	118	50	3/4"	9 mm
SCV 1423D	14	23	2"	800	119	140	70	3/4"	9 mm
SCV 2134D	21	34	Flange DN 65	838	125	185	65	3/4"	9 mm
SCV 3365D	33	65	DN 80	850	162	210	75	3/4"	9 mm
SCV 6690D	66	90	DN 100	940	252	300	75	3/4"	13 mm



Flow/Pressure Loss Chart