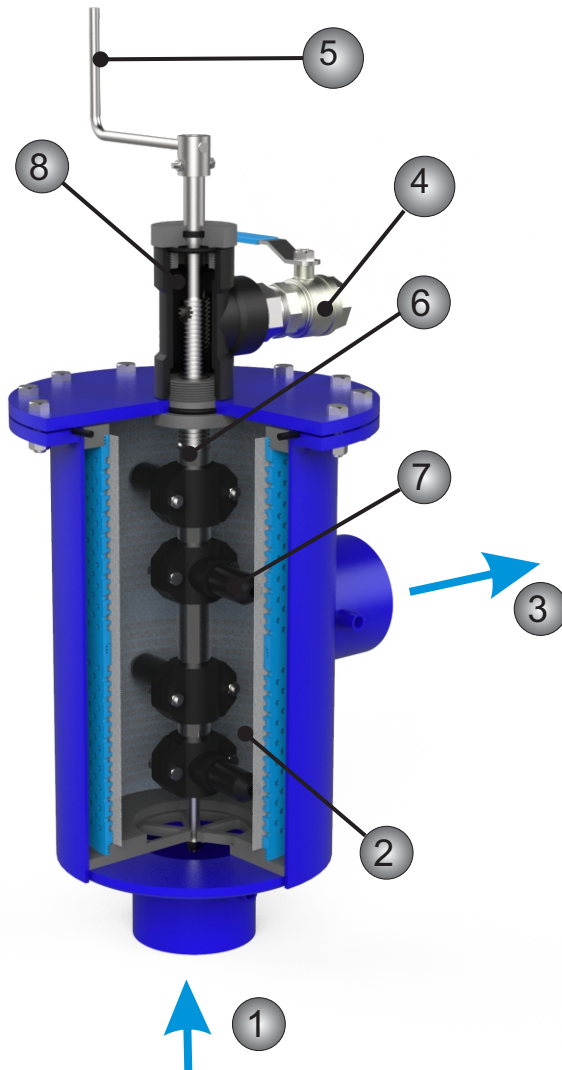


Cubic Secondary Filters (CSF) are secondary (block) screen filters manufactured by **Cubic Water** for filtration of irrigation and industrial water.

It is manufactured to the highest standards in Nelspruit, South Africa.

With years of experience **Cubic Filters** not only offers an outstanding product but also a solution for your filtration needs.



Application:

The CSF filter is a secondary manual filter. The water needs to be filtered by a primary filter or the dirt particles in the water must be smaller than 2mm. The dirt loading needs to be relatively low as the filter must be inspected manually and then flushed by hand. The manual inspection intervals must therefore be manageable.

These filters are designed to filter bore hole water where particles are smaller than 2mm or for applications where the equipment is installed far from the primary filter like in extended pipelines.

LEGEND

1. Inlet
2. Screen
3. Outlet
4. Flush Valve
5. Crank Handle
6. Dirt Collector
7. Suction Nozzle
8. Flushing Chamber Tee

Water enters the Filter at the Inlet (1) and goes through the Fine Screen (2). The Fine Screen collects all the fine dirt on the inside of the element. The clean water exits the Filter at the Outlet (3).

To flush the filter, the Flush Valve (4) is opened manually. When the Flush Valve is open, the Handle (5) is rotated, anti clock wise, by hand. The crank handle rotates the Dirt Collector (6) and the Suction Nozzles (7) sucking the dirt off the Screen (2). The dirt goes through the Dirt Collector (6) and Flushing Chamber Tee (8) out the Flushing Valve (4). When the Crank Handle (5) is turned all the way out, the rotation direction is changed to clockwise and rotated all the way back in, perfectly cleaning the Screen (2).



Made in South Africa

Cubic Filters²⁰²⁰

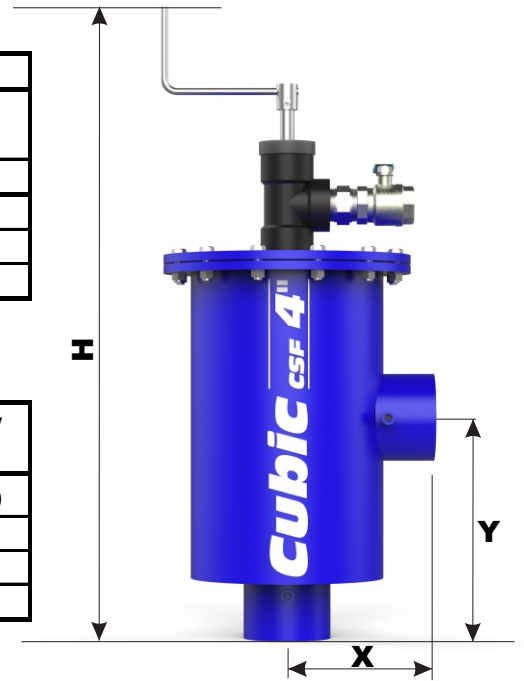


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			Dimensions				
Model Number	Inlet / Outlet (BSP Socket)		Filter Body OD	X	Y	H	
	(inch)	(mm)				(mm)	(mm)
CSF 2"	2	50	250	190	250	690	774
CSF 3"	3	80	250	228	330	869	953
CSF 4"	4	100	250	210	312	851	935

Model Number	Screen Area	Recommended Flow Rate		Maximum Flow Rate (100µm)		* Flash Flow Rate	
	(cm ²)	(m ³ /h)	(l/s)	(m ³ /h)	(l/s)	(m ³ /h)	(l/s)
CSF 2"	1070	20	5,6	25	6,9	6	1,7
CSF 3"	2350	40	11,1	50	13,9	8	2,2
CSF 4"	2350	60	16,7	80	22,2	10	2,8

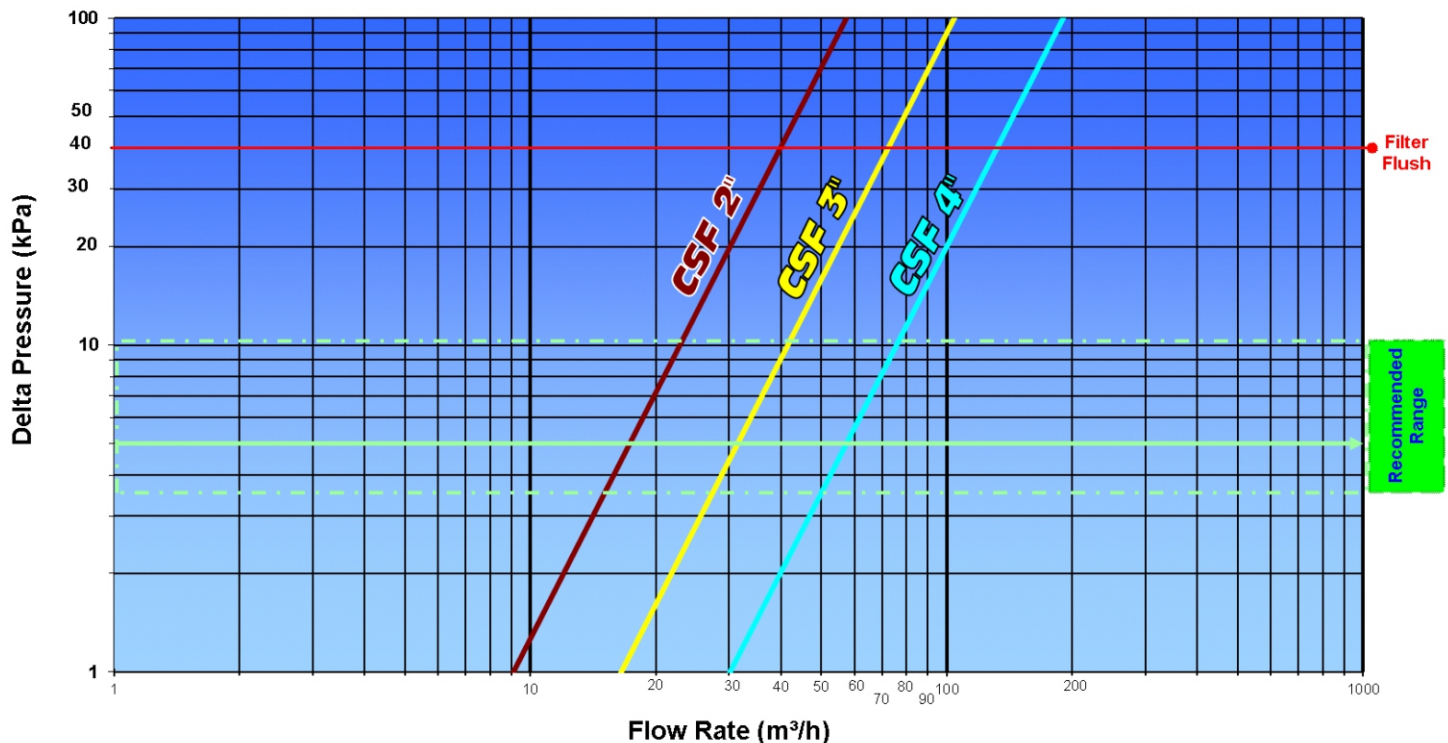
* Filter Pressure at 200 kPa



Standard Features

- *Minimum operating pressure of 1 bar (100 kPa) with main valve.
- *Maximum operating pressure of 10 bar (1000 kPa) (Higher Optional).
- *Clean filter pressure loss less than 0.1 bar (10 kPa) at maximum flow rate.
- *Filtration 100, 200, 500 & 800 micron standard, other sizes available on request.
- *Filter housing materials of powder coated carbon steel.
- *Bushes are sustamid.

Pressure Loss with 100 micron screen (clean water)



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