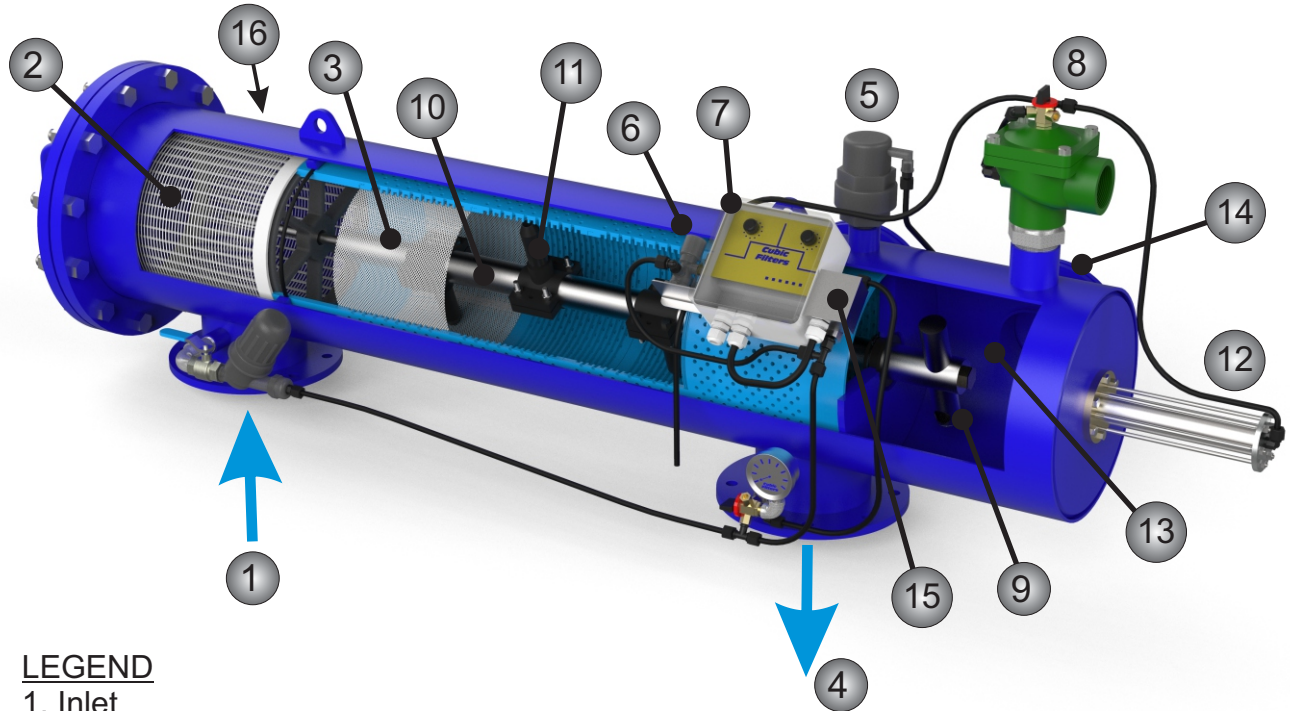


Cubic Automatic Hydraulic Screen (ASF) Filters are screen filters manufactured by **Cubic Water** for filtration of irrigation and industrial water.

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.



LEGEND

1. Inlet
2. Coarse Screen
3. Fine Screen
4. Outlet
5. Air Valve
6. Solenoid
7. Automatic Flush Unit
8. Hydraulic Flush Valve

9. Hydraulic Motor
10. Dirt Collector
11. Suction Nozzle
12. Hydraulic Piston
13. Flushing Chamber
14. Inspection Port
15. Differential Pressure Sensor
16. Coarse Screen Flush Valve

Water enters the Filter at the Inlet (1) and goes from the outside of the Coarse Screen (2), to the inside of the Fine Screen (3). The Coarse Screen (2) traps all the big particles, while the Fine Screen (3) collects all the fine dirt in the inside of the element. The water exits the Filter at the Outlet (4).

The Differential Pressure Sensor (15) measures the pressure drop over the Screen and then signals the Automatic Flush Unit (7) to activate the Solenoid (6) to open the Hydraulic Flush Valve (8). When the Flush Valve (8) opens, the Hydraulic Motor (9) rotates the Dirt Collector (10) and the Suction Nozzles (11) suck the dirt off the Screen. The dirt goes through the Dirt Collector (10) and out the Flushing Chamber (13). The Hydraulic Piston (12) moves the Suction Nozzles (11) up and down the Screen while the Hydraulic Motor (9) rotates them for a perfect cleaning over the complete Screen.

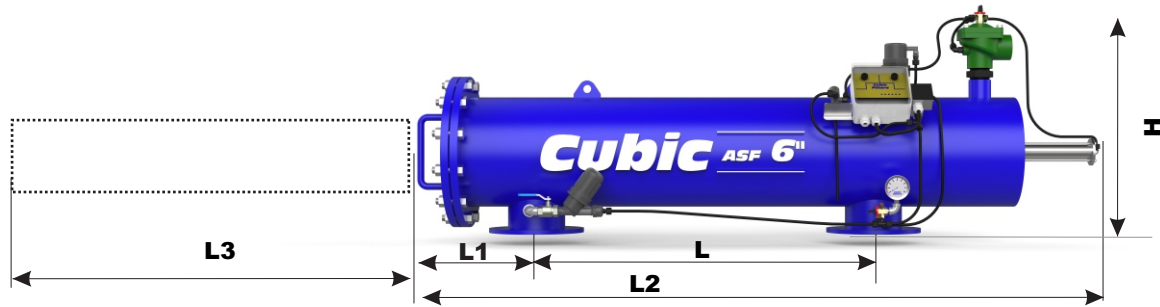


Made in South Africa

Cubic Filters₂₀₂₀



Made in South Africa



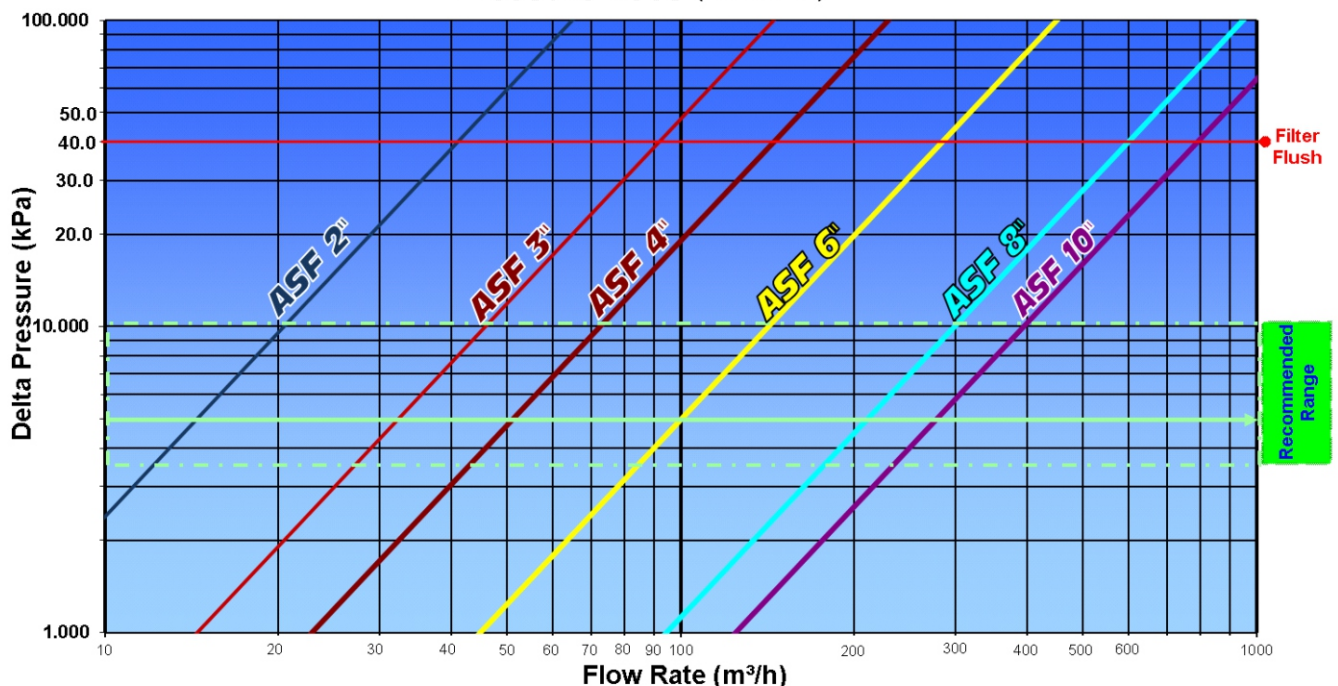
Model Number	Inlet/ Outlet		Screen Area	Recommended Flow Rate		Maximum Flow Rate		* Flash Flow Rate		Dimensions						Weight
										Filter Body OD	L	L1	L2	L3	H	
	(inch)	(mm)	(cm ²)	(m ³ /h)	(l/s)	(m ³ /h)	(l/s)	(m ³ /h)	(l/s)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
ASF 2"	2	50	2400	15	4,2	20	5,6	9	2,5	250	500	330	1600	600	620	180
ASF 3"	3	80	2400	35	9,7	50	13,9	9	2,5	250	500	330	1600	600	620	180
ASF 4"	4	100	3000	60	16,7	70	19,4	14	3,8	250	600	330	1800	800	650	210
ASF 4XL	4	100	6200	80	22,2	100	27,8	18	5,0	300	1000	330	2050	1000	700	230
ASF 6"	6	150	6200	100	27,8	130	36,1	18	5,0	300	1000	330	2050	1000	700	230
ASF 6"XL	6	150	7600	130	36,1	160	44,4	27	7,5	250	1000	530	2600	1400	650	250
ASF 8"	8	200	7600	190	52,8	220	61,1	27	7,5	250	1000	530	2600	1400	350	250
ASF 8"XL	8	200	9600	210	58,3	230	63,9	27	7,5	300	1000	530	2600	1400	700	260
ASF 10"	10	250	9600	230	63,9	250	69,4	27	7,5	300	1000	530	2600	1400	700	260

* Filter Pressure at 200 kPa

Standard Features

- Minimum operating pressure of 2 bar (200 kPa).
- Maximum operating pressure of 10 bar (1000 kPa). (Higher Optional)
- Clean filter pressure loss less than 0.1 bar (10 kPa).
- Filtration 100, 200, 500, 800 & 1200micron standard, other sizes available on request.
- Flush control: 220 VAC, 12 VDC or hydraulic rinser - automatic flush controller.
- Filter housing materials of powder coated carbon steel.
- Every filter is equipped with an air valve.
- Flush valve for coarse screen.
- Bushes are Sustamid.

Pressure Loss (clean water)



Telephone: 013 8800 335 or **info@cubicwater.co.za**