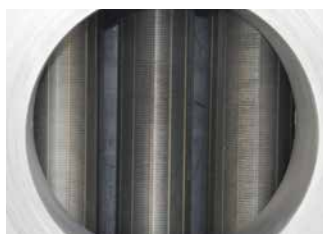


## V-SLOT High Performance Filter Element

XF Series automatic back-flushing filter adopts high quality V-SLOT slotted SS filter elements featuring the advantages below

- Smooth inner surface, V-shaped opening slot, less clogging chance, easy to be back-flushed clean, steady flowrate.
- Suitable for filtration of inferior liquids containing sticky contaminants like oil sludge, gel and microfiber.
- High opening rate, higher flow rate with same filter area, higher dirt holding capacity, more compact filter structure
- Filtration rating ranges from 50 to 2000  $\mu\text{m}$ , highly uniform filtration slots, precise filtration
- SS 304 / 316L material, excellent corrosion resistance. Duplex SS 2205 / 2507 for sea water applications
- Rigid structure, no deformation when pressure drop rises, stable particle bridging and removal efficiency
- High resistance against the forward and reverse pressure impact, long service life usually over 10 years



Rating Convert	mesh	300	200	150	120	100	75	60	50	37	30	25	20	15	10	7
	$\mu\text{m}$	50	75	100	125	150	200	250	300	400	500	600	750	1000	1500	2000

## Technical Specification

Applicable Liquid	Raw water, cooling water, process water and low viscous liquid(<40cps), TSS<300ppm
Min. Working D.P.	Differential pressure between the outlet and back-flushing outlet >0.15MPa
Filtration Rating	50~2000 $\mu\text{m}$
Standard Design Pressure	0.7MPa/1.0MPa, higher pressure rating available
Housing Standard	Factory standard / ASME / PED / GB150
Fluid Working Temperature	0 ~ 95°C
Flowrate Range	17 ~ 10560m <sup>3</sup> /h
Self-cleaning D.P.	50 ~ 70kPa
Control System	Based on SIEMENS controller, parallel control mode of D.P. and time
Gear Motor	180W/370W, 3 phases, 380V, IP55, CCWU
Inlet and Outlet Size	2"~40" / DN50 ~ DN1000
Connection Standard	Flange, HG20592-2009(DIN compatible) / HG20615-2009(ANSI B16.5 compatible )
Filter Element	V-SLOT Slotted SS filter element, SS 304 / 316L, duplex SS 2205 / 2507
Wet Part Material	304/316L/CS, special material available ( such as duplex SS 2205 / 2507 )
Inner Corrosion Protection	Epoxy paint, PA11 or rubber Lining for sea water resistance
Housing Sealing Material	NBR / EPDM / VITON
Back-Flushing Valve	Wafer butterfly valve / full-port ball valve
Valve Actuator	Pneumatic or electric, IP65
Facility Supply	0.4~0.6MPa clean and dry compressed air, 380V AC