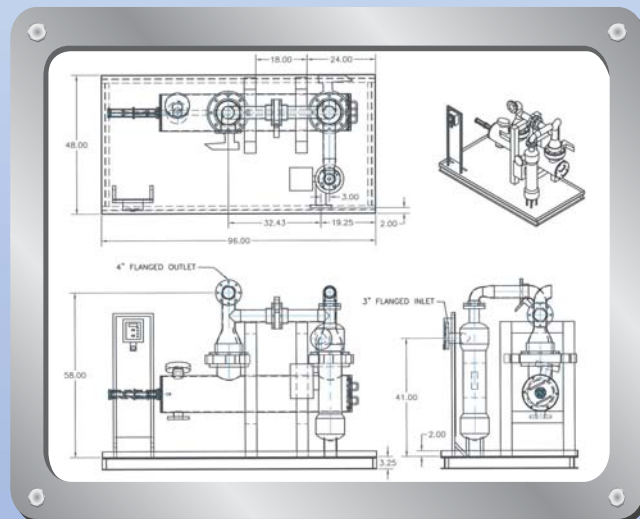


From start...



For **SIMPLICITY**, Valve and Filter offers "complete system" filtration packages from design/build to onsite training and start-up. These "PLUG & PLAY" packages typically include:

- Multiple filtration technologies filtering as low as one micron
- Fully integrated controller recording operation history
- Pumps
- Isolation and control valves
- Meters and gauges
- Heavy duty I-beam and diamond plate platform



VAF filtration "systems" are designed and built to your specific requirements.

...to finish.



PLUG & PLAY Skids

Cooling Tower CTF Series



CTF model	Flow range		in / out connections	flush line	Platform size (approximate)			Pump @ max flow	Filter model	Filter			
	gpm	m ³ /hr			L	W	H			HP/kW	screen area in ²	cm ²	flush volume gal
CTF-20	20 - 120	4.5 - 27	2" npt	1" npt	24 / 61	30 / 76	55 / 140	6.6/4.9	V-125	118	761	18	67
CTF-30	100 - 250	23 - 57	3" flange	1" npt	24 / 61	30 / 76	55 / 140	9.4/7.0	V-250	224	1445	8	30
CTF-40	150 - 500	34 - 114	4" flange	1" npt	24 / 61	30 / 76	55 / 140	19/14	V-500	448	2890	15	57
CTF-60	400 - 1000	91 - 227	6" flange	2" npt	35 / 89	75 / 191	55 / 140	35/26	V-1000	867	5594	15	57
CTF-80	800 - 1500	182 - 340	8" flange	2" npt	35 / 89	85 / 216	55 / 140	53/40	V-1500	1300	8387	23	87

Larger flows, DIN flanges, BSP threads and customizing available upon request.

Automatically control and fully monitor cooling tower filtration with Valve and Filter's CTF Series (Cooling Tower Filter Skids). CTF Series skids are constructed of welded carbon steel diamond plate and I-beam platforms for rugged use. Filter, controller, DP switch, flush valve, pump and control panel (optional), flow meter (optional), and all valves are completely assembled for PLUG & PLAY installation. Connect the inlet, the outlet, the flush line, power up and start filtering.

- Easy to install PLUG & PLAY assembly.
- V-Series filtration simplicity offers minimal maintenance.
- Removes suspended solids down to system micron rating.
- Lowest flushing flow rate in the industry, minimizing waste.
- Rated highest efficiency in filtration systems.

Valve and Filter

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www.valveandfilter.com sales@valveandfilter.com

FREE: "How it works" DVD

Go to www.valveandfilter.com/DVD to see the V-Series' Simplicity in action.



Filtration Systems by
Valve & Filter



"Wherever Water Flows"



Ultimate Simplicity in Filtration



State-of-the-art Self-Cleaning Screen Filtration Technology

Patented Drive Cleaning Mechanism

U.S. Pat. No. 6,959,818; Foreign Pat. Nos. EU1 446 213 and E5602 13 277.0-08. Other U.S. and foreign patents pending

V-Series Filters

Typical Applications Include:

- Cooling Towers
- Industry process water
- Well water
- River intake water
- Sea water
- Micro Irrigation
- Pre-filtration to RO, UV, Arsenic removal, bags, cartridges, and other technologies requiring suspended solids removal/reduction.

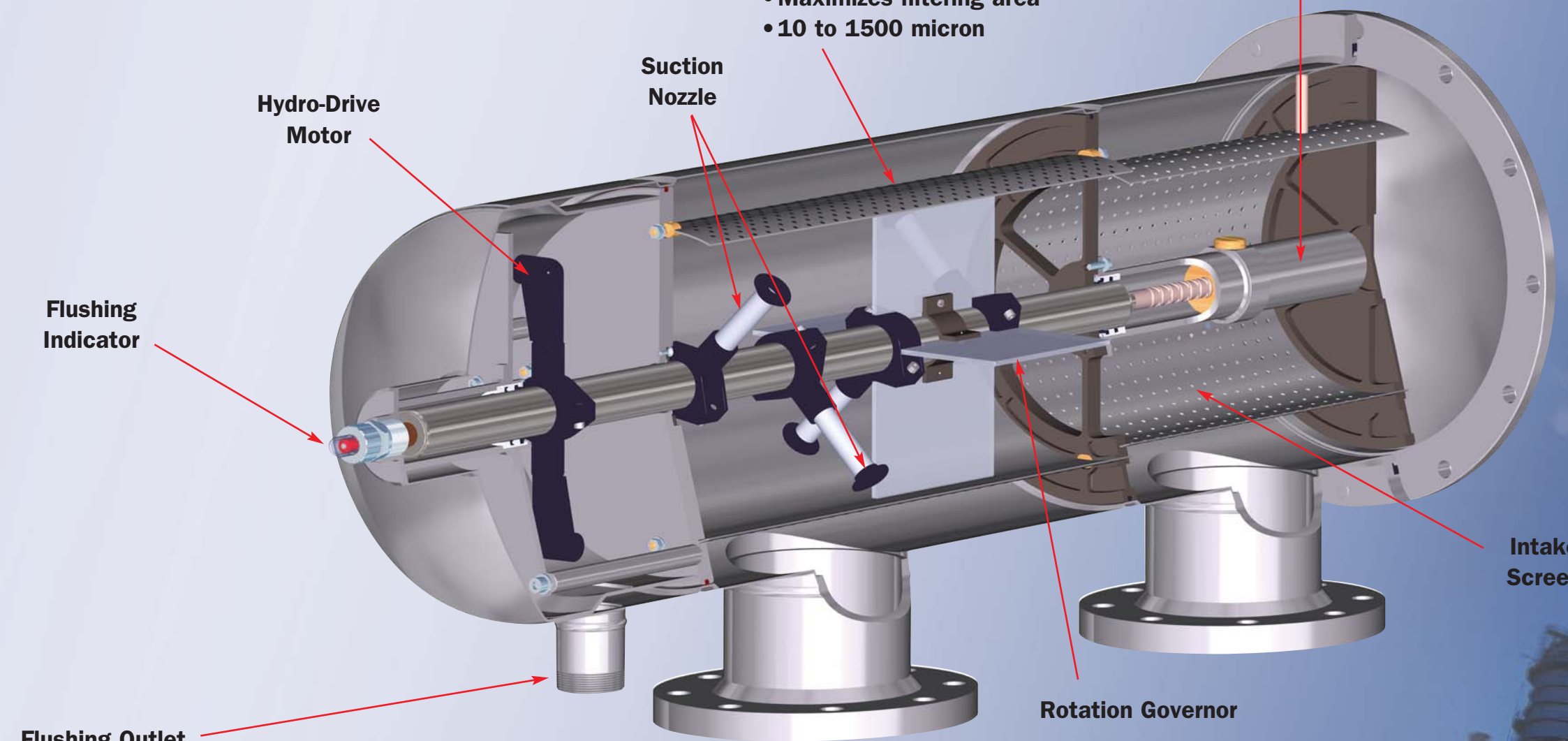
Hydraulically efficient design resulting in:

- Fewer moving parts (no electric motors, gear boxes, limit switches or pistons)
- Simpler controls
- Lowest flushing flow rates
- Greater cleaning efficiencies
- Lower maintenance requirements

Cleaning Cycle:

- 10 to 30 Seconds per flushing cycle
- Cycle begins at 7psi (50 kPa) differential across the screen
- Filtration process is uninterrupted during cycle

Constructed of 316L Stainless Steel to ASME code - higher grade materials to meet harsher conditions or higher temperature and pressure ranges.



- Uni-weld "Sintered" Screen**
- 316L stainless steel
 - Eliminates screen wear
 - Maximizes filtering area
 - 10 to 1500 micron

Patented Bi-Directional Screw controls nozzle rotation for 100% screen cleaning without electric motors, gear boxes, limit switches or pistons

- Flushing Outlet**
- Lowest flush flow rate
 - Less energy/smaller pumps required

FREE: "How it works" DVD
Go to www.valveandfilter.com/DVD to see the V-Series' Simplicity in action.

V-Series Automatic Filters

General Specifications:

- Hydro-Drive Rotor
- Max Pressure: 150 psi (1034 kPa)
- Min Pressure: 30-35 psi (207 – 241 kPa)
- Max Temp: 176°F (80°C)
- Flush Cycle: 10 to 30 Seconds
- Flow Range per Filter: 32 - 5,400 gpm (7.3 – 1,226 m3/hr) per filter
- Flange Sizes: 2" to 20" (50 mm to 500 mm)
- Screen Options: 10 to 1500 Micron on All Models
- Manifold multiple units to increase flow ranges

Materials:

- Filter Body** — 316L, Duplex SS, and other special materials for harsh conditions – *Note: Filter bodies are warranted to never leak*
- Screens** — 316L SS Sintered
- Flanges** — AWWA Class D, ANSI and DIN
- Seals** — Nitrile, Viton, Silicone, EPDM

Model Number	Screen Area		Nominal Flow						Flush Line	Flush Volume 15 seconds	
	in ²	cm ²	25 micron		50 micron		100 micron			in	gal
V-250	224	1445	134	30	181	41	276	63	1½ MNPT	8	30
V-500	448	2890	269	61	363	82	551	125	1½ MNPT	15	57
V-1000	867	5594	520	118	702	159	1066	242	2 MNPT	15	57
V-1500	1300	8387	780	177	1053	239	1599	363	2 MNPT	23	87
V-2000	1696	10942	1018	231	1374	312	2086	474	3 flange	33	125
V-2500	2262	14594	1320	300	1782	405	2706	615	3 flange	44	167
V-3500	3060	19742	1836	417	2479	563	3764	855	3 flange	44	167
V3	1696	10942	1018	231	1374	312	2086	474	3 flange	33	125

Larger flows, DIN flanges, BSP threads and customizing available upon request.

V3 Filter— Vertical Design for minimal footprint



Bolt-in replacement for L configurations

Lifetime Body Warranty

Contact factory for details & qualifications
800-759-6554 303-425-4242