KineticoPRO™
Total Water Care

HYDRUS SERIES
FILTRATION SYSTEMS
SIMPLEX • DUPLEX • TRIPLEX • MULTIPLEX

The Importance of Water Filtration

Water sources to your facility can contain impurities such as sediment, VOCs, microorganisms, scale causing minerals, chemicals and organics. Water treatment facilities also add chlorine or chloramine to disinfect and kill germs, which can have a negative effect on the taste and smell of your water across your operations. To remove these common impurities and disinfectants, it's imperative to select the optimal water filtration systems to boost operational efficiency and positively impact the customer experience.

Hydrus Series POE Water Filters

KineticoPRO's Hydrus point-of-entry water filtration systems are designed for high flow and large water volume operations. These advanced filtration systems are completely configurable based on demanding, large volume application requirements. In hard water conditions, we recommend combining a Hydrus filter with our Hydrus water softening system to deliver optimal water conditions across your facility.

Customer Experience

- **KineticoPRO Hydrus Filtration Options**
  - Carbon filtration media provides removal of chlorine and odors.
  - Calcite filtration media increases the alkalinity of your water.
  - Macrolite® filtration media is specified when fine pre-filtration is critical. This innovative media is used to remove particles as small as five microns, providing effective elimination of iron and other particulates.

Equipment Protection

- Non-electric hydraulic valve operation eliminates the need for motors and maximizes longevity.
- Corrosion-resistant, non-metallic valves and tanks help to prolong equipment life and enable system to endure harsh environments.

Operational Efficiency

- System designed with treated water backwash which provides enhanced cleaning results and longer media life. (Available with Multi-Tank systems only.)
- Equipped with an advanced operator interface to help minimize cost and simplify the set-up process while maintaining operating versatility.
- Single or Multi-Tank system configurations available. Single-Tank system is most economical and space efficient, and Multi-Tank system offers flexibility for demanding commercial applications.

Hydrus Point-of-Entry Water Filtration Systems

Common Market Segments

- Grocery/Retail Stores
- Hotel/Lodging
- Healthcare
- Manufacturing
- Education

Also Used for:
Food & Beverage Processing Facilities, Car Washes, Laundromats, Agriculture and Breweries

SPECIFICATIONS

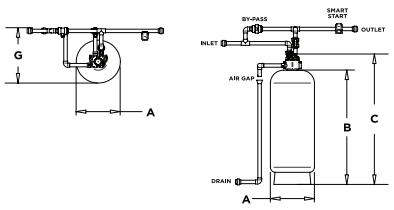
MACROLITE SYSTEMS	Flow Rates @ 10 US gpm/ft² (6.8 Lps/m²)	Clean Bed Pressure Drop psid (bar)	Backwash Flow Rate Per Tank US gpm (Lps)	Media Volume Per Tank ft³ (L)	Backwash Volume US gal (L)	Use-Case	Backwash Time (min)	Tanks
H118m	17 / 1.07	2.7 / 0.19	15 / 0.95	2.5 / 71	300 / 1136	≥ 5 micron	20	(1) 18 x 65
H121m	24 / 1.51	3.4 / 0.23	20 / 1.26	3.5 / 99	400 / 1514	≥ 5 micron	20	(1) 21 x 62
H124m	31 / 1.96	4.0 / 0.28	25 / 1.58	5 / 142	500 / 1893	≥ 5 micron	20	(1) 24 x 65
H130m	49 / 3.09	7.5 / 0.52	40 / 2.52	8 / 227	800 / 3028	≥ 5 micron	20	(1) 30 x 72
H136m	70 / 4.42	12.7 / 0.87	55 / 3.47	12 / 340	1,100 / 4164	≥ 5 micron	20	(1) 36 x 72
H142m	96 / 6.06	21.4 / 1.48	75 / 4.73	14 / 396	1,500 / 5678	≥ 5 micron	20	(1) 42 x 72
CARBON SYSTEMS	8 US gpm/ft² (5.4 Lps/m²)							
H118c	15 / 0.95	1.1 / 0.07	20 / 1.26	3 / 85	400 / 1514	Dechlor/Organics	20	(1) 18 x 65
H121c	20 / 1.26	1.4 / 0.10	25 / 1.58	4 / 113	500 / 1893	Dechlor/Organics	20	(1) 21 x 62
H124c	26 / 1.64	1.9 / 0.13	35 / 2.21	6 / 170	700 / 2650	Dechlor/Organics	20	(1) 24 x 65
H130c	40 / 2.52	4.2 / 0.29	55 / 3.47	10 / 283	1,100 / 4164	Dechlor/Organics	20	(1) 30 x 72
H136c	57 / 3.60	7.5 / 0.52	75 / 4.73	14 / 396	1,500 / 5678	Dechlor/Organics	20	(1) 36 x 72
CALCITE SYSTEMS	6 US gpm/ft² (4.1 Lps/m²)							
H118pH	11 / 0.69	0.8 / 0.05	15 / 0.95	3 / 85	300 / 1136	raise pH	20	(1) 18 x 65
H121pH	15 / 0.95	1.0 / 0.07	20 / 1.26	4 / 113	400 / 1514	raise pH	20	(1) 21 x 62
H124pH	19 / 1.20	1.2 / 0.08	25 / 1.58	6 / 170	500 / 1893	raise pH	20	(1) 24 x 65
H130pH	30 / 1.89	2.5 / 0.17	40 / 2.52	10 / 283	800 / 3028	raise pH	20	(1) 30 x 72
H136pH	43 / 2.71	4.5 / 0.31	70 / 4.42	18 / 510	840 / 3179	raise pH	20	(1) 36 x 72

System Type	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	G in / mm
HS X18	18 / 457	68 / 1727	83 / 2108	4 / 102	40 / 1016	62 / 1575	28 / 711
HS X21	21 / 533	65 / 1651	80 / 2032	4 / 102	46 / 1168	71 / 1803	31 / 787
HS X24	24 / 610	68 / 1727	83 / 2108	4 / 102	52 / 1321	80 / 2032	34 / 864
HS X30	30 / 762	86 / 2184	101 / 2565	4 / 102	64 / 1626	98 / 2489	40 / 1016
HS X36	36 / 914	83 / 2108	98 / 2489	4 / 102	76 / 1930	116 / 2946	46 / 1168
HS X42	42 / 1067	95 / 2413	110 / 2794	4 / 102	88 / 2235	134 / 3404	52 / 1321

Hydrus Connection Detail	
Inlet	2
Outlet	2
Drain	2
Brine	1/2 tubing

Note A: The "X" in the system size description refers to the number of tanks: Simplex = 1, Duplex = 2, Triplex = 3

SIMPLEX



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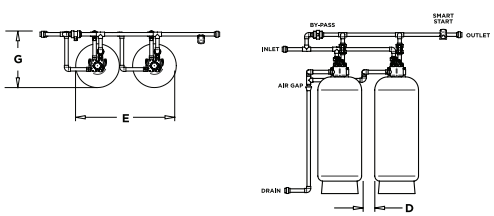
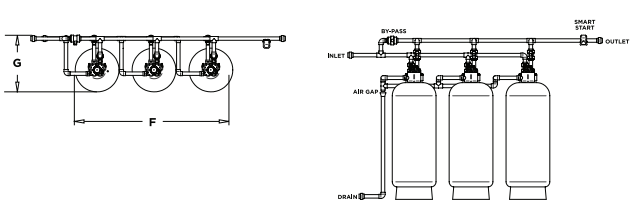


TRIPLEX



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