More

Culligan®

Culligan® Heavy Duty Commercial Filters

apartments

assisted living facilities

cafeterias

casinos

corporate campuses

educational facilities

food service

government

grocery

health clubs

hotel/hospitality

institutions

laundry

manufacturing facilities

theme parks

travel centers

vehicle wash

Culligan's Hi-Flo® 55e Commercial Filters

Standard Features

- 24 Volt Culligan's MVP™ Controller – Field programmable with a back-lit LCD display and UL listed 120v/24v transformer.
- Single, Duplex, Triplex, or Quad Configurations
- Regeneration initiation by choice of time clock, meter or differential pressure switch.
- Carbon Filters – For reduction of organics (flow rates up to 39gpm), or chlorine (flow rates up to 77gpm).
- Depth Filters – Flow rates up to 193gpm.
- Top-Mounted Control Valve – Keeps plumbing connections simple and adaptable. Full flow porting with rounded orifices and wide-open cartridges promote good flow characteristics and low pressure fluctuations.
- Corrosion resistant tanks – Made of low carbon steel with epoxy interior lining and finish coat painted exterior.

Trust The Water Experts®

Culligan's Hi-Flo® 55e Commercial Filters

Applications and Benefits

- Food and Beverage–Superior taste and increased cost savings.
- Drinking Water–Reduces turbidity and chlorine; improves taste and clarity.
- Boilers—Turbidity reduction, minimize sludge blowdown.
- Light Industry Processes—Reduces particulate matter.
- Pretreatment—For softeners, RO's and DI systems.
- Vehicle Wash—Turbidity reduction.

Options

- Patented Progressive Flow-Culligan's MVP™ controller can monitor flow demands, bringing additional tanks on-line or off-line as flows increase or decrease.
- Differential Pressure Switch
- A.S.M.E. Code Tanks
- Sample cocks and pressure gauges
- Separate source regeneration kits
- Skid mounting
- Flow meter

Warranty

Culligan's *Hi-Flo* 55e water filters are backed by a limited 1-year warranty against defects in material, workmanship and corrosion. In addition, tanks carry a limited 5-year warranty.*

* See printed warranty for details. Culligan will provide a copy of the warranty upon request.

System Specifications

Pressure:	30–100 psig 207–690 kPa
Power:	120 VAC/24 VAC 50/60 Hz
Temperature:	40–120°F 4–49°C

	Model	Water Quality						Backwash Flow Rate (GPM)	Valve Size (inches)
		Superior*		High**		Utility***			
		Flow Rate (GPM)	Pressure Loss (PSI)	Flow Rate (GPM)	Pressure Loss (PSI)	Flow Rate (GPM)	Pressure Loss (PSI)		
Depth Filters	*HD*-202	22	2	33	3	44	5	30	2
	HD-242	32	2	48	5	63	7	45	2
	HD-302	50	4	74	7	99	12	70	2
	HD-362	71	5	107	11	142	19	100	2
	HD-423	97	3	145	6	193	9	135	3
Carbon Filters	*HR*-202	19[1]	0[1]	14	1	18[2]	2[2]	20	2
	HR-242	13[1]	1[1]	19	1	26[2]	2[2]	30	2
	HR-302	20[1]	2[1]	30	1	40[2]	3[2]	45	2
	HR-362	29[1]	2[1]	42	4	57[2]	6[2]	70	2
	HR-422	39[1]	3[1]	58	5	77[2]	8[2]	100	2

* Superior – Best quality water with lowest pressure loss. Recommended for influent suspended solid loads up to and greater than 300 ppm.
** High – Very good quality water with increased pressure loss. Recommended for influent suspended solid loads less than 300 ppm.
*** Utility – Satisfactory quality water with greatest pressure loss. Shorter on line time between backwashing. Recommended for influent suspended solid loads less than 150 ppm.
[1] For Sediment and organic removal use the flow rates from the superior water quality column.
[2] For chlorine removal only, use the flow rates from the utility water quality column.

All pressure drop figures are based on new filter media and a water temperature of 60°F.
Depth filters are capable of 10 micron effluent water quality, whereas all other filter types are capable of 40 micron effluent water quality.

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Printed in USA (12/03)
MOORE PART NO. 47601

ISO 9001 Certification

HI-FLO®

DEPTH FILTERS FOR SEDIMENT REDUCTION

SPECIFICATIONS AND OPERATING DATA

		Hi-Flo 55					Hi-Flo 50				
MODEL NUMBER		**HD-202**	**HD-242**	**HD-302**	**HD-362**	**HD-423**	**HD-483**	**HD-544**	**HD-604**	**HD-726**	**HD-846**
Peak											
Service Flow @	gpm	30	45	75	100	150	190	240	300	440	600
Pressure Drop	@ psi	@ 3	@ 4	@ 7	@ 10	@ 6	@ 10	@ 8	@ 10	@ 10	@ 10
	L/min	114	170	284	379	568	719	908	1,140	1,670	2,270
	@ kPa	@ 21	@ 28	@ 42	@ 69	@ 41	@ 69	@ 55	@ 69	@ 69	@ 69
Normal											
Service Flow @	gpm	15	20	35	50	70	90	110	140	200	270
Pressure Drop	@ psi	@ 1	@ 1	@ 2	@ 3	@ 2	@ 3	@ 3	@ 2	@ 2	@ 2
	L/min	57	76	132	189	265	340	420	530	750	1,020
	@ kPa	@ 6.9	@ 6.9	@ 14	@ 21	@ 14	@ 20	@ 20	@ 14	@ 14	@ 14
Backwash Flow	gpm	30	45	70	100	135	188	210	270	400	540
	L/min	114	170	265	379	511	712	795	1,020	1,510	2,040
Tank Size											
Diameter	in	20	24	30	36	42	48	54	60	72	84
	mm	510	610	760	910	1,070	1,220	1,370	1,520	1,830	2,130
Sideshell	in	48	48	48	54	54	60	60	60	60	60
	mm	1,220	1,220	1,220	1,370	1,370	1,520	1,520	1,520	1,520	1,520
Pipe Size											
Inlet/Outlet	in	2	2	2	2	3	3	4	4	6	6
Media Volume	ft^3	5	8	12	17	23	32	40	49	70	97
	m^3	0.142	0.227	0.340	0.481	0.651	0.906	1.13	1.39	1.98	2.75
Ship Weight, Approx.	lb	870	1,150	1,750	2,530	3,550	7,000	8,800	10,800	18,500	25,000
	kg	390	520	790	1,150	1,610	3,175	4,000	4,900	8,390	11,340

NOTES:

1 Service flow rates are based on 7 gpm/ft^2 (26 L/m^2/min) for Normal and 15 gpm/ft^2 (57 L/m^2/min) for Peak Flow rates. Actual service rate can vary from 2 to 20 gpm/ft^2 (8 - 76 L/m^2/min) depending upon the application and the raw water.

2 Backwash flow rates are based on 12-14 gpm/ft^2 (45-53 L/m^2/min) using 50° F (10° C) water. A different backwash rate may be required depending upon water temperature or the type of carbon used.

3 Operational, maintenance and replacement requirements are essential for this product to perform as advertised. Service is available through independently operated Culligan dealerships.

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Commercial Systems

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DCO 992587
SL-0070

HI-FLO®

CULLAR® AUTOMATIC FILTERS FOR DECHLORINATION AND ORGANIC ADSORPTION

SPECIFICATIONS AND OPERATING DATA

		Hi-Flo 55					Hi-Flo 50				
MODEL NUMBER		**HR-202**	**HR-242**	**HR-302**	**HR-362**	**HR-422**	**HR-4825**	**HR-543**	**HR-603**	**HR-724**	**HR-844**
Dechlorination											
Service Flow @	gpm	20	30	50	70	100	125	160	200	280	380
Pressure Drop	@ psi	@ 2	@ 2	@ 4	@ 8	@ 13	@ 16	@ 18	@ 13	@ 12	@ 16
	L/min	76	114	189	265	379	473	606	757	1,060	1,440
	@ kPa	@ 14	@ 14	@ 28	@ 55	@ 90	@ 110	@ 124	@ 90	@ 83	@ 110
Organics Adsorption											
Service Flow @	gpm	10	15	25	35	50	65	80	100	140	200
Pressure Drop	@ psi	@ 1	@ 1	@ 2	@ 3	@ 4	@ 4	@ 6	@ 4	@ 5	@ 6
	L/min	38	57	95	132	189	246	303	379	530	757
	@ kPa	@ 6.9	@ 6.9	@ 14	@ 21	@ 28	@ 28	@ 41	@ 28	@ 34	@ 41
Backwash Flow	gpm	20	30	45	70	100	136	160	210	270	400
	L/min	76	114	170	265	379	515	606	795	1,020	1,510
Tank Size											
Diameter	in	20	24	30	36	42	48	54	60	72	84
	mm	510	610	760	910	1,070	1,220	1,370	1,520	1,830	2,130
Sideshell	in	48	48	48	54	54	60	60	60	60	60
	mm	1,220	1,220	1,220	1,370	1,370	1,520	1,520	1,520	1,520	1,520
Pipe Size											
Inlet/Outlet	in	2	2	2	2	2	2.5	3	3	4	4
Media Volume	ft^3	6	8	12	18	24	32	40	48	70	96
	m^3	0.170	0.227	0.340	0.510	0.680	0.910	1.13	1.36	1.98	2.72
Ship Weight, Approx.	lb	530	670	1,000	1,420	2,000	5,200	6,500	8,000	12,500	17,000
	kg	240	300	450	640	910	2,400	2,900	3,600	5,700	7,700

NOTES:

1 Service flow rates are based on 5 gpm/ft^2 (19 L/m^2/min) for Organic Adsorption and 10 gpm/ft^2 (38 L/m^2/min) for Dechlorination. Actual flow rate may vary depending upon the application and the raw water.

2 Backwash flow rates are based on 10 gpm/ft^2 (38 L/m^2/min) using 50° F (10° C) water. A different backwash rate may be required depending upon water temperature or the type of carbon used.

3 Operational, maintenance and replacement requirements are essential for this product to perform as advertised. Service is available through independently operated Culligan dealerships.

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HI-FLO®

CULLSORB® AUTOMATIC FILTERS FOR IRON AND MANGANESE REDUCTION

SPECIFICATIONS AND OPERATING DATA

		Hi-Flo 55					Hi-Flo 50				
MODEL NUMBER		**HG-202**	**HG-242**	**HG-302**	**HG-362**	**HG-423**	**HG-4825**	**HG-5425**	**HG-6025**	**HG-723**	**HG-844**
Service Flow @	gpm	10	15	25	35	50	65	80	100	140	190
Pressure Drop	@ psi	@ 3	@ 3	@ 4	@ 4	@ 4	@ 4	@ 6	@ 4	@ 5	@ 6
	L/min	38	57	97	132	190	250	300	380	530	720
	@ kPa	@ 21	@ 21	@ 28	@ 28	@ 20	@ 28	@ 41	@ 28	@ 34	@ 41
Backwash Flow	gpm	30	45	70	100	135	160	210	240	350	480
	L/min	110	170	270	380	510	610	800	910	1,330	1,820
Tank Size											
Diameter	in	20	24	30	36	42	48	54	60	72	84
	mm	510	610	760	910	1,070	1,220	1,370	1,520	1,830	2,130
Sideshell	in	48	48	48	54	54	60	60	60	60	60
	mm	1,220	1,220	1,220	1,370	1,370	1,520	1,520	1,520	1,520	1,520
Pipe Size											
Inlet/Outlet	in	2	2	2	2	3	2.5	2.5	2.5	3	4
Media Volume	ft^3	5	8	12	19	25	34	43	53	76	104
	m^3	0.156	0.212	0.340	0.538	0.708	0.962	1.22	1.50	2.15	2.94
Ship Weight, Approx.	lb	850	1,150	1,790	2,680	3,720	7,200	9,100	11,600	17,500	27,000
	kg	385	522	812	1,220	1,690	3,300	4,100	5,300	7,900	12,000

NOTES:
1 Service flow rates are based on 5 gpm/ft^2 (19 L/m^2/min). Actual flow rate may vary depending upon the application and the raw water.
2 Backwash flow rates are based on 12-14 gpm/ft^2 (45-53 L/m^2/min) using 50° F (10° C) water. A different backwash rate may be required depending upon water temperature or other water conditions.
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More

Culligan®

Introducing the Culligan® MVP Electronic Controller

Softeners

- *Hi-Flo® 2E*
- *CSM*
- *Hi-Flo® 55E*
- *Hi-Flo® 50*

Filters

- *Hi-Flo® 2E*
- *Hi-Flo® 42*
- *CSM*
- *Hi-Flo® 55E*
- *Hi-Flo® 50*

Multifunctional

- Sequences the regeneration process of water softeners or filtration systems
- Time, Volume, Aqua-Sensor®*or external device
- Can be used as a simple timer or more complex system integrator

Versatile

- Patented Progressive Flow** feature permits smaller systems to provide greater flow rates and treatment capacities
- Will adapt to many types of water softeners, filters or dealkalizers
- As many as 6 controls may be linked together, allowing for simple, future expansion
- Operates on 24 VAC

Programmable

- Time based regeneration schedule can be interval of days or hours or specific day of week
- Programmable trip point allows multiple units to be brought online or offline as flow demand increases or decreases
- Two auxilliary outputs and one input can be programmed to be active or deactive at any point of the regeneration process.

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Culligan® MVP Designed With The Ease of 24-volt Operation.

corporate campuses

educational facilities

food service

grocery

hotel/hospitality

laundry

vehicle wash

Time of Day
Displays time in 12 hour (AM/PM) or 24 hour formats.

EEPROM
Saves programmed and statistical functions.

One-Touch Program Update
Update multiple controls through the touch of a button on the primary control.

Lock/Unlock
Allows the control to be easily locked out from inadvertent program changes or abuse.

Screen Blanking
Allows the screen to go blank once programming is complete (After 5 minutes of no keypad activity).

Power Source
Electrical power required for the control is 24-volt 50/60 Hz AC current. A plug-in transformer (120v/24v) is provided.

Program Beeper
Emits an audible beep when key pads are depressed to help identify valid (short beep) or invalid (3 short beeps) key pad touches. Can be enabled or disabled as desired.

Multi-Unit Communication Input/Output (RS485)
The communication input/output feature routinely recognizes when another controller within a multiple controller system is in a regeneration sequence, prohibiting the chance of multiple units regenerating simultaneously.

Additional MVP Features

- **Battery Backup -** The optional battery backup will maintain the time of day for a minimum of 4 weeks using a 3.6V 1/2AA-lithium type battery as supplied by Culligan.
- **Regeneration Start Delay -** A user determined number of hours (up to 9) can be input for the purpose of increasing time between multiple regeneration initiations.
- **Auxillary Input -** capable of accepting a remote signal from a dry contact device such as an operator push-button for the purpose of initiating the regeneration sequence.
- **Segmented Brine Draw/Rinse Cycle - Brine Reclaim Capability -** allows the user to configure the system for brine reclaim with a minimum of additional valves and/or other types of hardware.

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MOORE PART NO. 46968

MVP Controller

ISO 9001 Certification

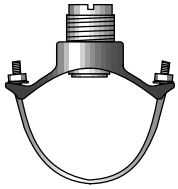
* *Aqua-Sensor:* Patent # US 5,699,272

** Progressive Flow: Patent # US 5,060,167 , # US 5,351,199

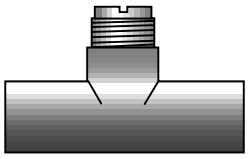
Check for compliance with state and local laws and regulations. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

THE XLF FLOW SENSOR PACKAGE

XLF Flow Sensor

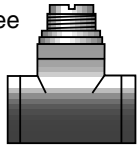


Iron Saddle

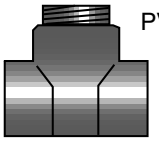


Copper/Bronze Tees

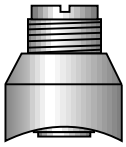
Iron Tee



PVC Tee



Bronze
Brazolet



For use with IQS Electronic Water Treatment Equipment Controller

REGENERATION CONTROLS

Product Description

The XLF flow sensor package is an input device for the IQS type controller used to measure treated water flow. Flow data then provides one or all of the following functions:

- repeatedly measure and deliver a specified volume of treated water.
- digital instantaneous flow rate.
- digital instantaneous total treated water usage.

Packages are available for use in treated water pipe sizes from 1 inch through 6 inch. A wide variety of installation fittings are available to assure compatibility with many commonly used plumbing materials:

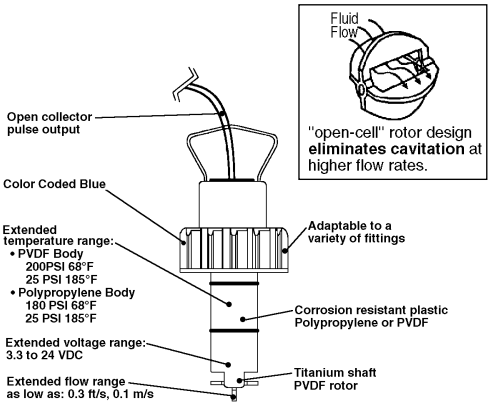
- Threaded galvanized
- Copper sweat
- PVC; CPVC
- Iron
- Steel

The XLF flow sensor package is comprised of:

- One (1) paddlewheel insertion type flow sensor element sized for the specified pipe diameter
- One (1) installation fitting for the specified pipe type and size.

How It Works

The solid state paddlewheel flow sensor works on a simple, but precise, electro-mechanical principle. A magnetic rotor positioned in the flow stream spins past a solid state switch which in turn pulses a low voltage DC current proportional to the rate of flow. The rotor design ensures an accurate, repeatable output throughout the sensor's entire operating range with negligible head loss and no cavitation.



Features & Benefits

- Flow range; 0.3 ft/s to 20 ft/s
- Low cost.
- Low pressure loss.
- Ease of installation and service.
- Excellent resistance to corrosion and wear
- High accuracy and repeatability.
- Compatible with most types of piping materials – PVC, copper, brass, galvanized iron and steel.
- Wide range of temperature pressure and flow characteristics.
- Low voltage operation.
- Tested to NIST standards (National Institute of Standards and Techonology).

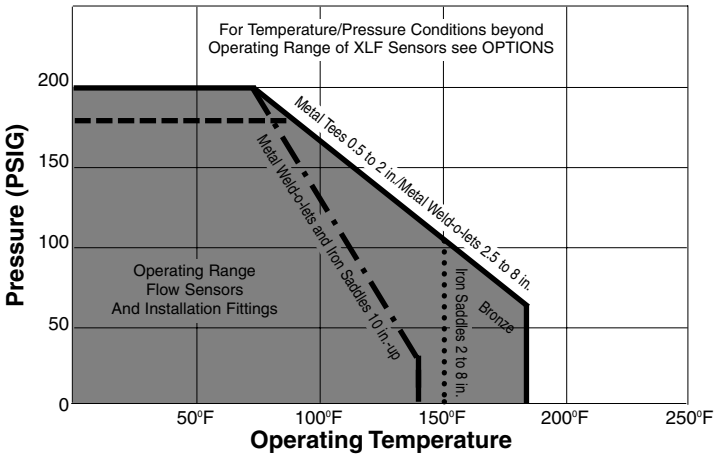
Flow Sensor Application Data

Flow Sensor Selection

To select the flow sensor package that best fits your requirements, consider these application parameters:

1. Determine Installation Fitting Type – fittings are available for a variety of piping materials.
2. Determine Installation Fitting Size – identify the HIGHEST anticipated flow rate which would occur regularly thru EACH tank of a single/multiple tank network. Match this value against those in the MINIMUM and MAXIMUM FLOW column of the Flow Rate Range Table to find the corresponding installation Fitting Pipe Size.
3. Verify Temperature/Pressure Operating Range – the maximum operating pressure for the XLF series flow sensor is dependent on the measured fluid temperature and type of installation fitting. Refer to the Temperature/Pressure Graph for operating range. Refer to OPTIONS paragraph for applications requiring a higher temperature/pressure rating.

Temperature/Pressure Relationship Table



† PRESSURE LOSS FORMULA (S.G.=1.0)

$$\left(\frac{\text{Actual Flow (GPM)}}{C_V \text{ Factor } \blacksquare}\right) = \text{Pressure Loss (PSI)} \text{ @ Actual Flow (GPM)}$$

Options

Installation Fitting Service Plug:
Allows resumption of flow after depressurization and removal of flow sensor element.

Wet Tap Assembly:
Provides a safe and fast method of removing a flow sensor element without shutting off flow and pressure.
(Maximum Pressure – 100 psig @ 68°F; Maximum Temperature – 140°F @ 25 psig)

High Temperature/Pressure Applications:
Contact factory for pressures up to 1,500 psig and temperatures up to 300°F for stainless steel flow sensors.

Flow Rate Range Table

** Threaded Tee Sch 40 Galv. Pipe
*** Cast Iron Saddle Sch 40 Pipe

▲ Installation Fitting Pipe Size – (Inches)	■ C_V Factor	Flow Rate Range – (GPM) Minimum ▲	Maximum
1 **	39.0	0.7	44.0
$1\frac{1}{4}$ **	56.0	1.2	80.0
$1\frac{1}{2}$ **	84.0	1.7	110.0
2 **	157.0	2.8	187.0
$2\frac{1}{2}$ ***	273.0	4.5	298.0
3 ***	483.0	6.9	460.0
4 ***	977.0	11.9	793.0
5 ***	1750.0	18.7	1247.0
6 ***	2846.0	27.0	1800.0
8 ***	5773.0	47.0	3118.0
10 ***	10,660.0	74.0	4915.0

▲ Choose the Installation Fitting Pipe Size principally on the MINIMUM flow rate that would occur REGULARLY in the treated water stream of each water treatment tank.
DO NOT OVERSIZE THE INSTALLATION FITTING!

■ C_V = flow rate (GPM) @ 1.0 psi head loss; 60°F water temperature.
(includes worst case requirement of 50 pipe diameters before and 5 pipe diameters following the flow sensor location assuring minimum flow turbulence.)

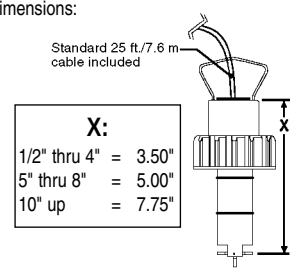
Specifications

Pressure Loss @ maximum rated flow: Less than 3.5 psig. See formula †

• includes head loss of required straight length of pipe both before and after flow sensor location.(maximum requirement –55 diameters)

C_V Factor:■	See Flow Range Table
Flow Rate Range:	0.3 thru 20 feet per second fluid velocity
Output Linearity:	± 1% of maximum range
Accuracy:	± 1% of maximum range
Repeatability:	± 0.5% of full range
Wetted Materials:	Polypropylene, Viton, Titanium, PVDF
*Maximum Temperature:	185°F @ 25 psig
*Maximum Pressure:	180 psig @ 68°F
Installation Requirements:	
*Maximum wire length between sensor and IQS/3 Controller	200 ft. –contact factory for greater distance requirements
*Number of pipe diameters required adjacent to flow sensor location dependent on source of upstream turbulence:	15 minimum/ 55 maximum
Electrical Output: *Requires DC Current from IQS/3;+5VDC @ 10 ma.	Open Collector, transistor, sinking
Environmental:	
Ambient temperature	-4°F to 122°F
Relative Humidity:	0% to 100% Non-condensing

Dimensions:



*Refer to table for temperature/pressure/ installation fitting relationships.

bruner by Culligan™

Commercial Systems

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Printed in USA 01/00
SL-0064
Moore Part No. 49004

Limited WARRANTY

Culligan® Hi-Flo® 2 and 2e Series, Hi-Flo® 52 series, Hi-Flo® 42 Series, Hi-Flo® 55e Series, CSM Series and Hi-Flo® 50 Series

You have just purchased one of the finest water conditioners made. As an expression of our confidence in Culligan International Company products, this product is warranted to the original end-user, when installed in accordance with Culligan specifications, against defects in material and workmanship from the date of original installation, as follows:

For a period of ONE YEAR	**The entire conditioner.**
For a period of TWO YEARS	**The control valve internal parts. The brine valve and its component parts. The salt storage container internal components.**
For a period of FIVE YEARS	**The control valve body, excluding internal parts.** **The fiberglass wound container(s), if so equipped*.** **The salt storage container(s), if so equipped.** **The epoxy-lined steel conditioner tank(s), if so equipped.**
For a period of TWELVE YEARS	**The conditioner tank, if it contains a plastic liner.**

* The tank must be protected by a vacuum breaker device as described in the unit's operating manual. Damage to the tank caused by vacuum is not covered by this warranty. The unit must be used in operating conditions that conform to Culligan's recommended design guidelines. This warranty will not apply if the unit has been modified, repaired or altered by someone not authorized by Culligan.

If a part described above is found defective within the specified period, you should notify your independently operated Culligan dealer and arrange a time during normal business hours for the dealer to inspect the water conditioner on your premises. Any part found defective within the terms of this warranty will be repaired or replaced by the dealer. You pay only freight from our factory and local dealer charges.

We are not responsible for damage caused by accident, fire, flood, freezing, Act of God, misuse, misapplication, neglect, oxidizing agents (such as chlorine, ozone, chloramines and other related components), alteration, installation or operation contrary to our printed instructions, or by the use of accessories or components which do not meet Culligan specifications, is not covered by this warranty. Refer to the specifications section in the Installation and Operating manual for application parameters.

Our product performance specifications are furnished with each water conditioning unit. TO THE EXTENT PERMITTED BY LAW, CULLIGAN DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE; TO THE EXTENT REQUIRED BY LAW, ANY SUCH IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE ONE-YEAR PERIOD SPECIFIED ABOVE FOR THE ENTIRE CONDITIONER. As a manufacturer, we do not know the characteristics of your water supply or the purpose for which you are purchasing this product. The quality of water supplies may vary seasonally or over a period of time, and your water usage rate may vary as well. Water characteristics can also differ considerably if this product is moved to a new location. For these reasons, we assume no liability for the determination of the proper equipment necessary to meet your requirements, and we do not authorize others to assume such obligations for us. Further, we assume no liability and extend no warranties, express or implied, for the use of this product with a nonpotable water source or a water source which does not meet the conditions for use described in the installation and operation manual(s) that accompany the equipment. OUR OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED TO THE REPAIR OR REPLACEMENT OF THE FAILED PARTS OF THE WATER CONDITIONER, AND WE ASSUME NO LIABILITY WHATSOEVER FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, GENERAL, OR OTHER DAMAGES.

Some states do not allow the exclusion of implied warranties or limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Similarly, some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Consult your telephone directory for your local independently operated Culligan dealer, or write Culligan International Company for warranty and service information.

CULLIGAN INTERNATIONAL COMPANY
One Culligan Parkway
Northbrook, Illinois 60062

PN 01016557

Printed in U.S.A.

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.

(3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.

(4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.

(5) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN FIVE FEET OF THE EQUIPMENT LOCATION.

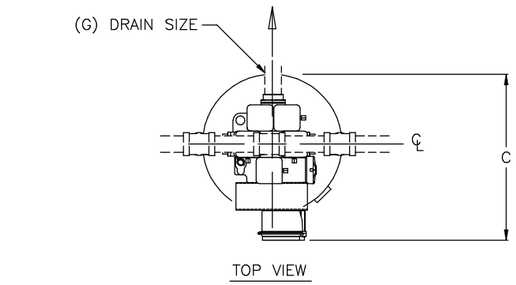
(6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.

(7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.

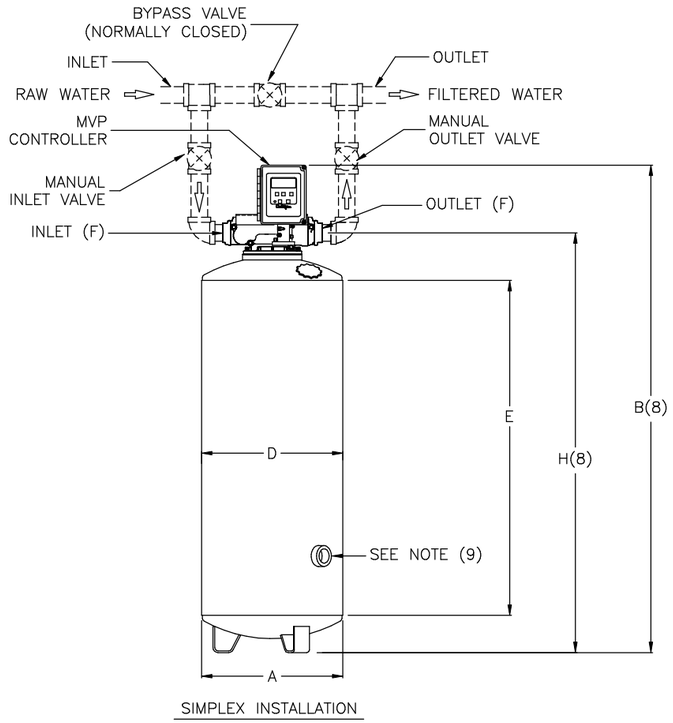
(8) OVERALL TANK HEIGHT IS BASED ON STANDARD NON–CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.

(9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

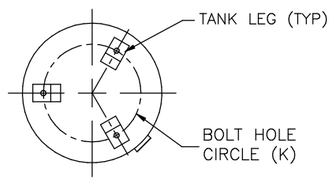
	DIMENSIONS (INCHES)																
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	SIMPLEX OPER. WT. lbs.	SIMPLEX SHIP. WT. lbs.
HD–202	21	71.00	24	20	48	2.0	2.0	61.75	14	22 @ 2	33 @ 3	44 @ 5	30	1.5	2.75	1200	870
HD–242	25	73.00	26	24	48	2.0	2.0	64	18	32 @ 2	48 @ 5	63 @ 7	45	1.5	2	1630	1150
HD–302	31	75.25	30	30	48	2.0	2.0	66	24	50 @ 4	74 @ 7	99 @ 12	70	2	10	2560	1750
HD–362	37	82.25	36	36	54	2.0	2.0	73.25	29.75	71 @ 5	107 @ 11	142 @ 19	100	2.5	6.5	3900	2530
HD–423	43	84.00	42	42	54	3.0	2.0	74.50	35.75	97 @ 3	145 @ 6	193 @ 9	135	2.5	7	5450	3550



TOP VIEW



SIMPLEX INSTALLATION



BOTTOM VIEW

Hi-Flo 55e

CAD File: Hi-Flo 55e Depth Single.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS
NORTHBROOK, ILLINOIS

NAME HI–FLO® 55e DEPTH FILTER SINGLE TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.	PART NO.
	F55_DEPTH_1

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.

(3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.

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(6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.

(7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.

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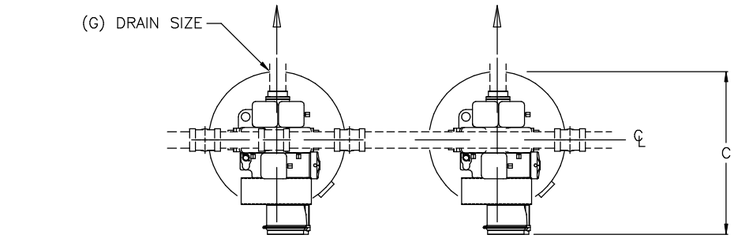
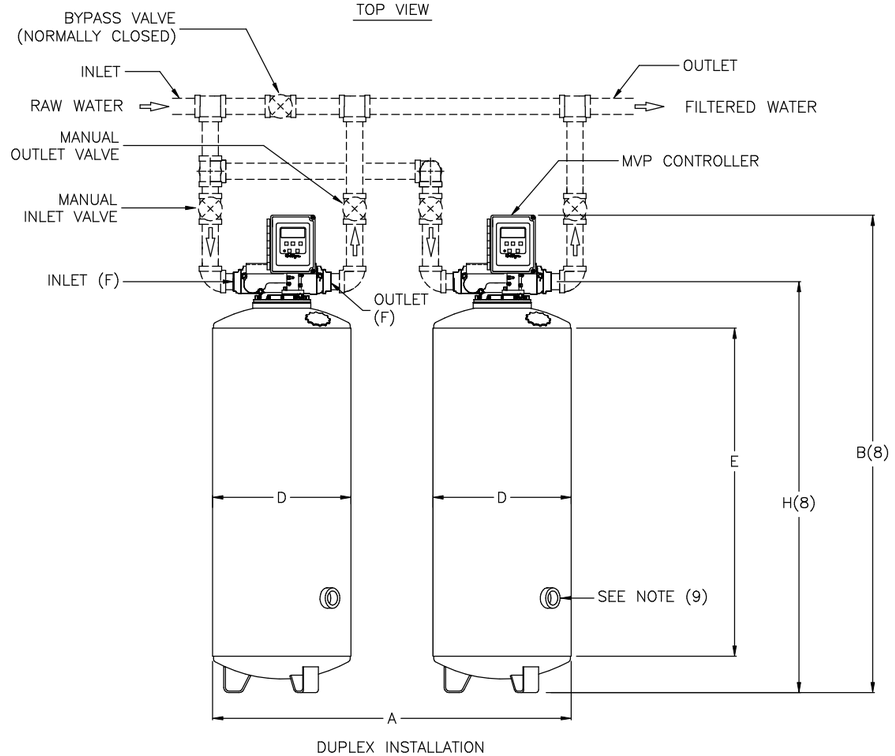
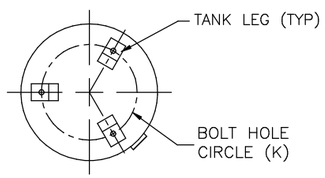
	DIMENSIONS (INCHES)									UNIT DATA PER TANK							
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.
HD–202	54	71.00	24	20	48	2.0	2.0	61.75	14	22 @ 2	33 @ 3	44 @ 5	30	1.5	2.75	2400	1740
HD–242	62	73.00	26	24	48	2.0	2.0	64	18	32 @ 2	48 @ 5	63 @ 7	45	1.5	2	3260	2300
HD–302	74	75.25	30	30	48	2.0	2.0	66	24	50 @ 4	74 @ 7	99 @ 12	70	2	10	5120	3500
HD–362	86	82.25	36	36	54	2.0	2.0	73.25	29.75	71 @ 5	107 @ 11	142 @ 19	100	2.5	6.5	7800	5060
HD–423	98	84.00	42	42	54	3.0	2.0	74.50	35.75	97 @ 3	145 @ 6	193 @ 9	135	2.5	7	10900	7100







Hi-Flo 55e

CAD File: Hi-Flo 55e Depth Duplex.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS
NORTHBROOK, ILLINOIS

NAME: HI–FLO® 55e DEPTH FILTER DUPLEX TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.	PART NO.
	F55_DEPTH_2

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.

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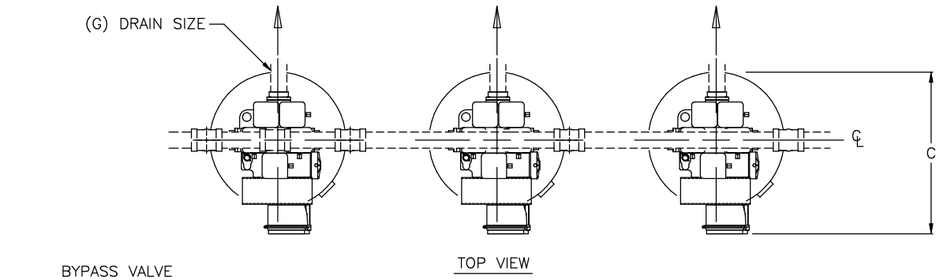
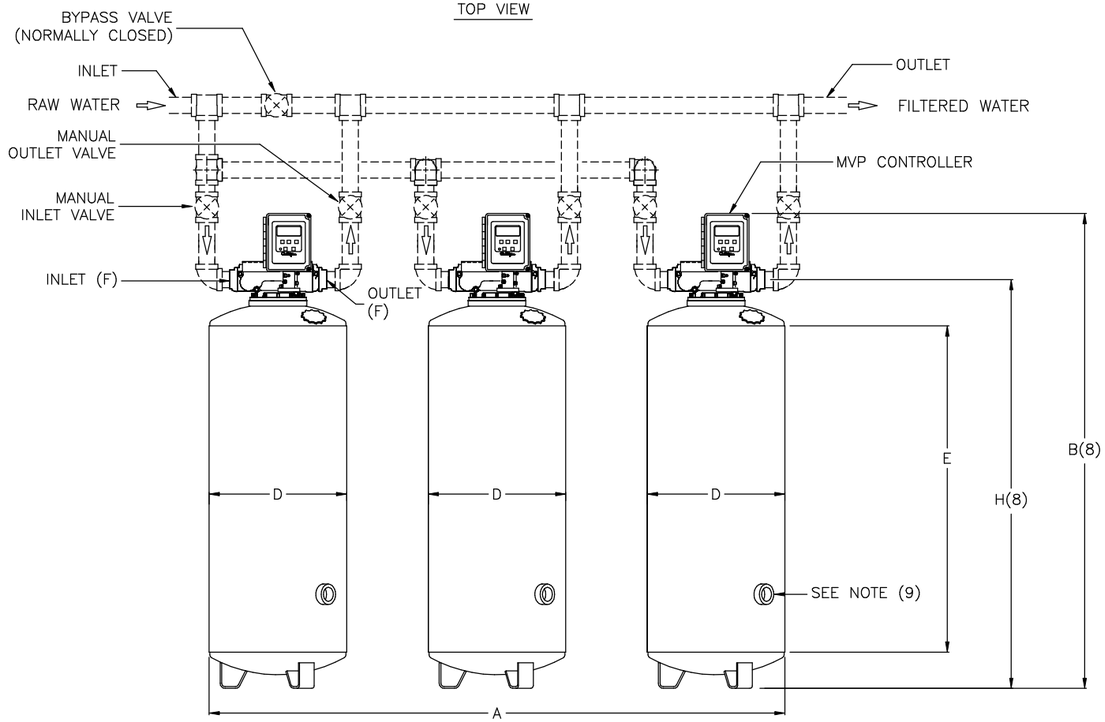
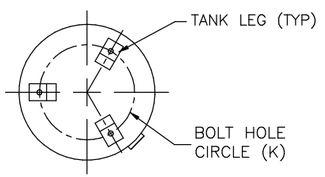
	DIMENSIONS (INCHES)									UNIT DATA PER TANK							
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	TRIPLEX OPER. WT. lbs.	TRIPLEX SHIP. WT. lbs.
HD–202	87	71.00	24	20	48	2.0	2.0	61.75	14	22 @ 2	33 @ 3	44 @ 5	30	1.5	2.75	3600	2610
HD–242	99	73.00	26	24	48	2.0	2.0	64	18	32 @ 2	48 @ 5	63 @ 7	45	1.5	2	4890	3450
HD–302	117	75.25	30	30	48	2.0	2.0	66	24	50 @ 4	74 @ 7	99 @ 12	70	2	10	7680	5250
HD–362	136	82.25	36	36	54	2.0	2.0	73.25	29.75	71 @ 5	107 @ 11	142 @ 19	100	2.5	6.5	11700	7590
HD–423	153	84.00	42	42	54	3.0	2.0	74.50	35.75	97 @ 3	145 @ 6	193 @ 9	135	2.5	7	16350	10650



TOP VIEW



TRIPLEX INSTALLATION



BOTTOM VIEW

Hi-Flo 55e

CAD File: Hi-Flo 55e Depth Triplex.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS NORTHBROOK, ILLINOIS

NAME HI–FLO® 55e DEPTH FILTER TRIPLEX TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.	PART NO.
	F55_DEPTH_3

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

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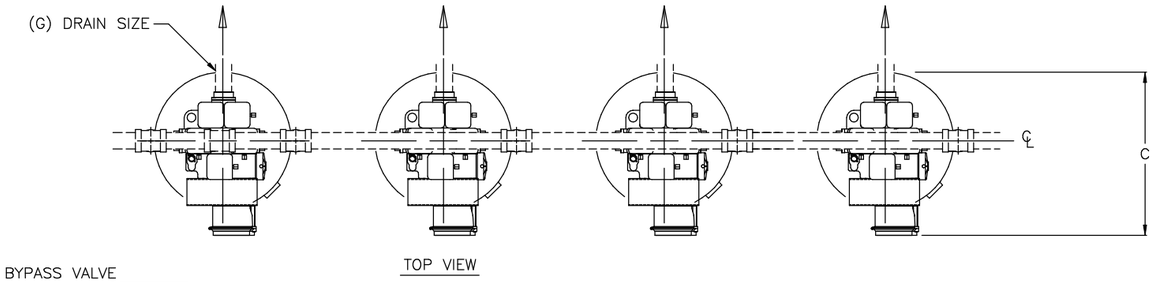
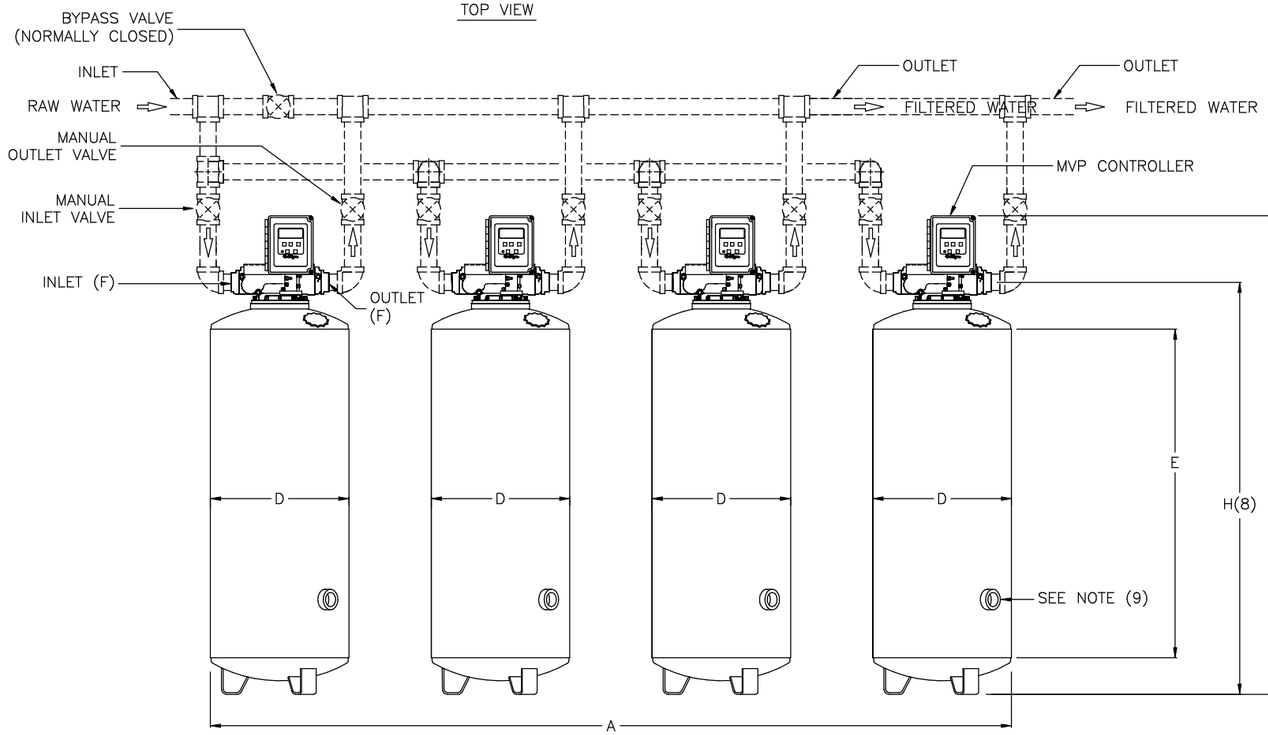
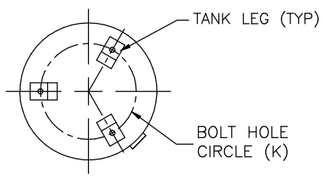
	DIMENSIONS (INCHES)									UNIT DATA PER TANK							
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	QUAD OPER. WT. lbs.	QUAD SHIP. WT. lbs.
HD–202	120	71.00	24	20	48	2.0	2.0	61.75	14	22 @ 2	33 @ 3	44 @ 5	30	1.5	2.75	4800	3480
HD–242	136	73.00	26	24	48	2.0	2.0	64	18	32 @ 2	48 @ 5	63 @ 7	45	1.5	2	6520	4600
HD–302	160	75.25	30	30	48	2.0	2.0	66	24	50 @ 4	74 @ 7	99 @ 12	70	2	10	10240	7000
HD–362	184	82.25	36	36	54	2.0	2.0	73.25	29.75	71 @ 5	107 @ 11	142 @ 19	100	2.5	6.5	15600	10120
HD–423	208	84.00	42	42	54	3.0	2.0	74.50	35.75	97 @ 3	145 @ 6	193 @ 9	135	2.5	7	21800	14200



TOP VIEW



QUAD INSTALLATION



BOTTOM VIEW

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS
NORTHBROOK, ILLINOIS

NAME HI–FLO® 55e DEPTH FILTER QUAD TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.

PART NO. F55_DEPTH_4

Hi-Flo 55e

CAD File: Hi-Flo 55e Depth Quad.dwg

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

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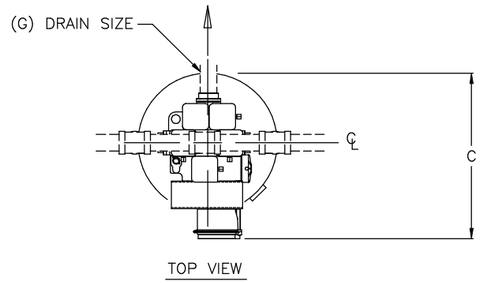
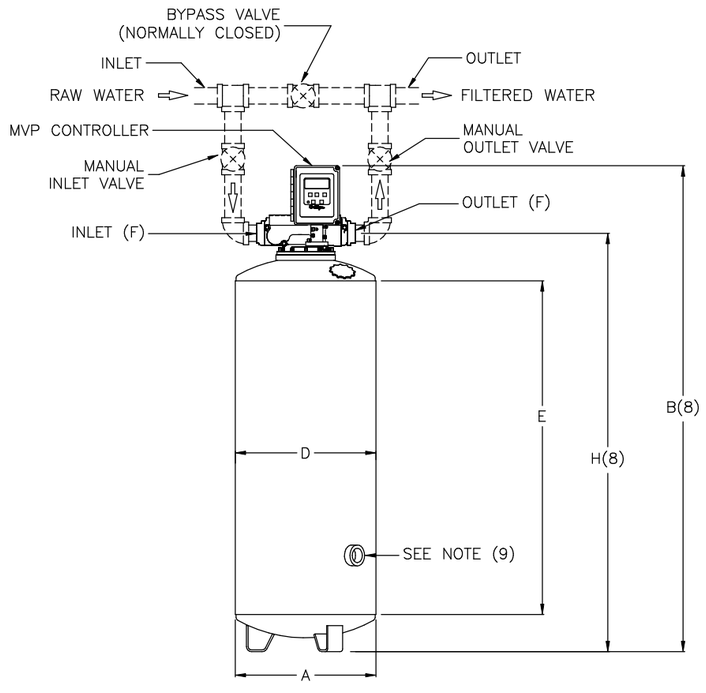
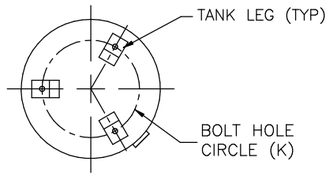
	DIMENSIONS (INCHES)																
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	SIMPLEX OPER. WT. lbs.	SIMPLEX SHIP. WT. lbs.
HR–202	21	71.00	24	20	48	2.0	2.0	61.75	14	9 @ 1	14 @ 1	18 @ 2	20	1.5	2.75	900	530
HR–242	25	73.00	26	24	48	2.0	2.0	64	18	13 @ 1	19 @ 1	26 @ 2	30	1.5	2	1180	670
HR–302	31	75.25	30	30	48	2.0	2.0	66	24	20 @ 2	30 @ 2	40 @ 3	45	1.5	10	1870	1000
HR–362	37	82.25	36	36	54	2.0	2.0	73.25	29.75	29 @ 2	42 @ 4	57 @ 6	70	2	6.5	2870	1420
HR–422	43	84.00	42	42	54	2.0	2.0	74.50	35.75	39 @ 3	58 @ 5	77 @ 8	100	2.5	7	4030	2000



TOP VIEW



SIMPLEX INSTALLATION



BOTTOM VIEW

Hi-Flo 55e

CAD File: Hi-Flo 55e Carbon Single.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS
NORTHBROOK, ILLINOIS

NAME	HI–FLO® 55e CARBON FILTER SINGLE TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/14/03	APP. BY:	SHEET 1 OF 1	
REF. NO.	PART NO. F55_CARBON_1		

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

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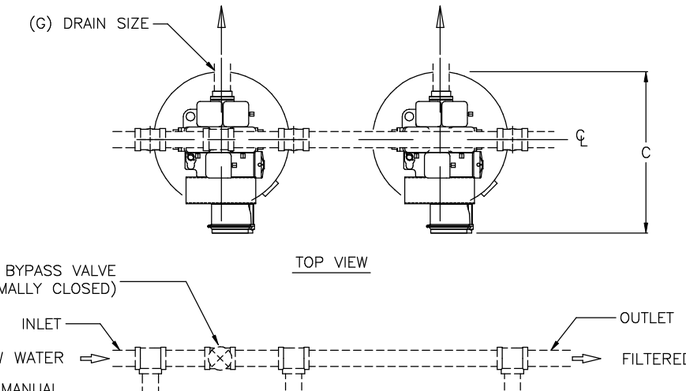
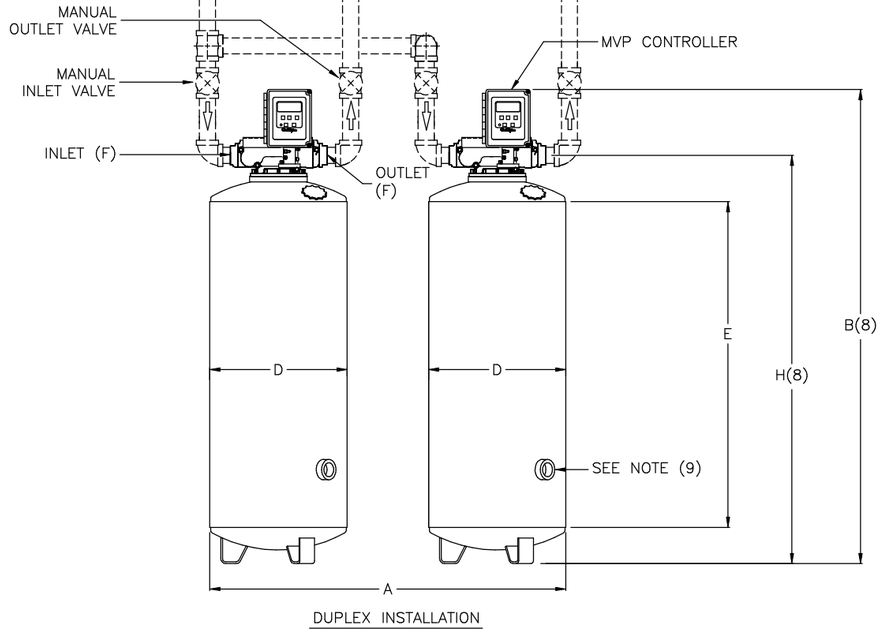
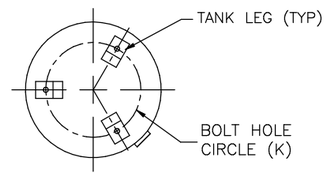
(9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

	DIMENSIONS (INCHES)																
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.
HR–202	54	71.00	24	20	48	2.0	2.0	61.75	14	9 @ 1	14 @ 1	18 @ 2	20	1.5	2.75	1800	1060
HR–242	62	73.00	26	24	48	2.0	2.0	64	18	13 @ 1	19 @ 1	26 @ 2	30	1.5	2	2360	1340
HR–302	74	75.25	30	30	48	2.0	2.0	66	24	20 @ 2	30 @ 2	40 @ 3	45	1.5	10	3740	2000
HR–362	86	82.25	36	36	54	2.0	2.0	73.25	29.75	29 @ 2	42 @ 4	57 @ 6	70	2	6.5	5740	2840
HR–422	98	84.00	42	42	54	2.0	2.0	74.50	35.75	39 @ 3	58 @ 5	77 @ 8	100	2.5	7	8060	4000





DUPLEX INSTALLATION



BOTTOM VIEW

Hi-Flo 55e

CAD File: Hi-Flo 55e Carbon Duplex.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS NORTHBROOK, ILLINOIS

NAME HI–FLO® 55e CARBON FILTER DUPLEX TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.

PART NO. F55_CARBON_2

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.

(3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.

(4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.

(5) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN FIVE FEET OF THE EQUIPMENT LOCATION.

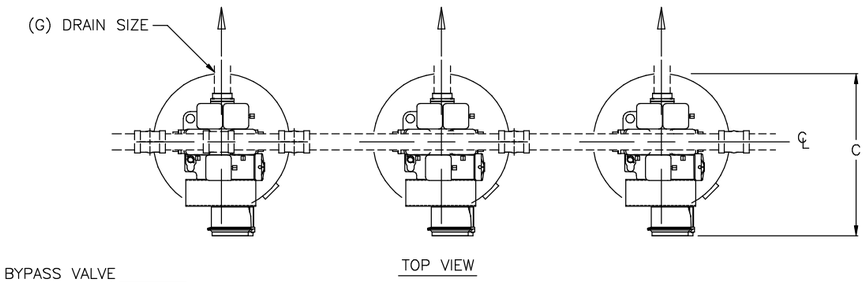
(6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.

(7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.

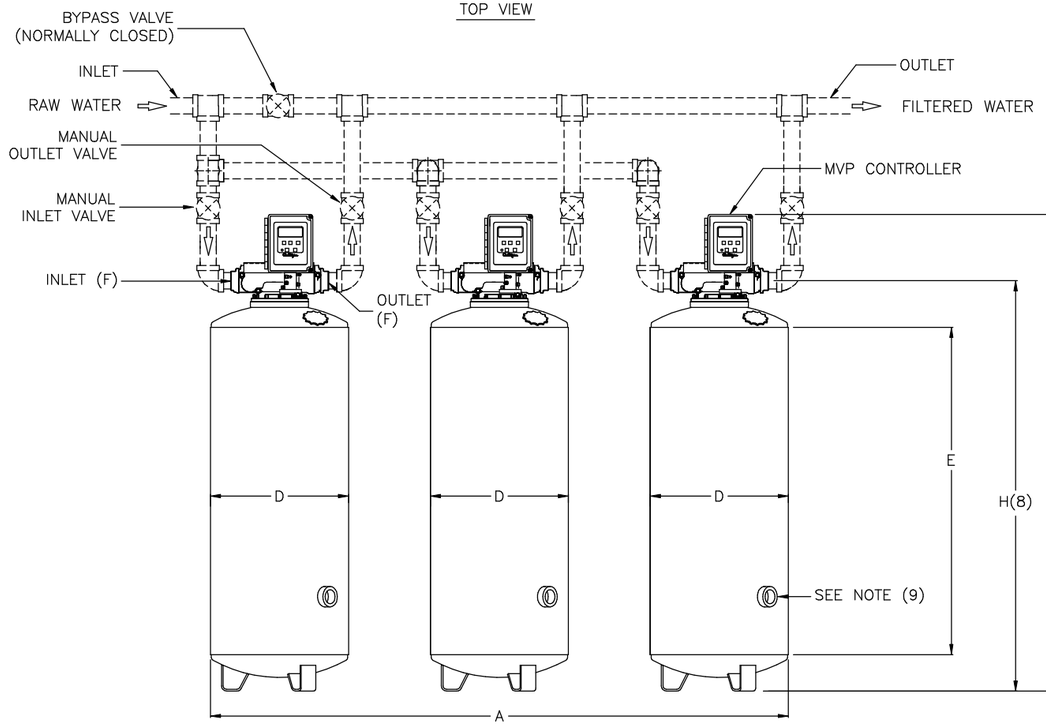
(8) OVERALL TANK HEIGHT IS BASED ON STANDARD NON–CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.

(9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

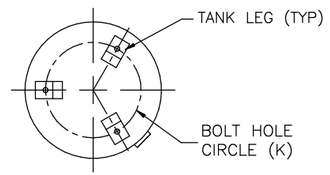
	DIMENSIONS (INCHES)																
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	TRIPLEX OPER. WT. lbs.	TRIPLEX SHIP. WT. lbs.
HR–202	87	71.00	24	20	48	2.0	2.0	61.75	14	9 @ 1	14 @ 1	18 @ 2	20	1.5	2.75	2700	1590
HR–242	99	73.00	26	24	48	2.0	2.0	64	18	13 @ 1	19 @ 1	26 @ 2	30	1.5	2	3540	2010
HR–302	117	75.25	30	30	48	2.0	2.0	66	24	20 @ 2	30 @ 2	40 @ 3	45	1.5	10	5610	3000
HR–362	135	82.25	36	36	54	2.0	2.0	73.25	29.75	29 @ 2	42 @ 4	57 @ 6	70	2	6.5	8610	4260
HR–422	153	84.00	42	42	54	2.0	2.0	74.50	35.75	39 @ 3	58 @ 5	77 @ 8	100	2.5	7	12090	6000



TOP VIEW



TRIPLEX INSTALLATION



BOTTOM VIEW

Hi-Flo 55e

CAD File: Hi-Flo 55e Carbon Triplex.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS
NORTHBROOK, ILLINOIS

NAME: HI–FLO® 55e CARBON FILTER TRIPLEX TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.

PART NO. F55_CARBON_3

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.

(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.

(3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.

(4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.

(5) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN FIVE FEET OF THE EQUIPMENT LOCATION.

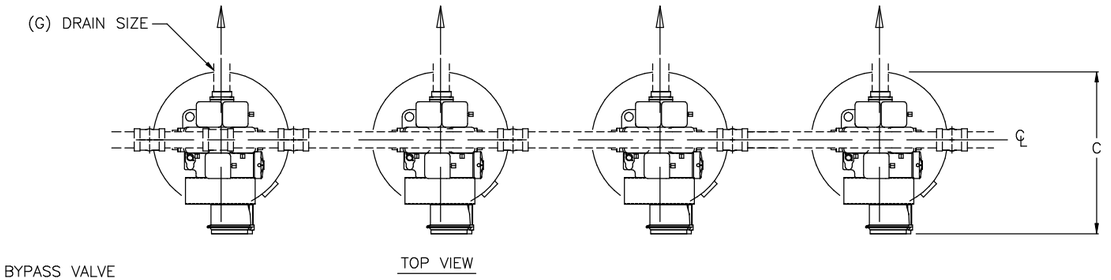
(6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.

(7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.

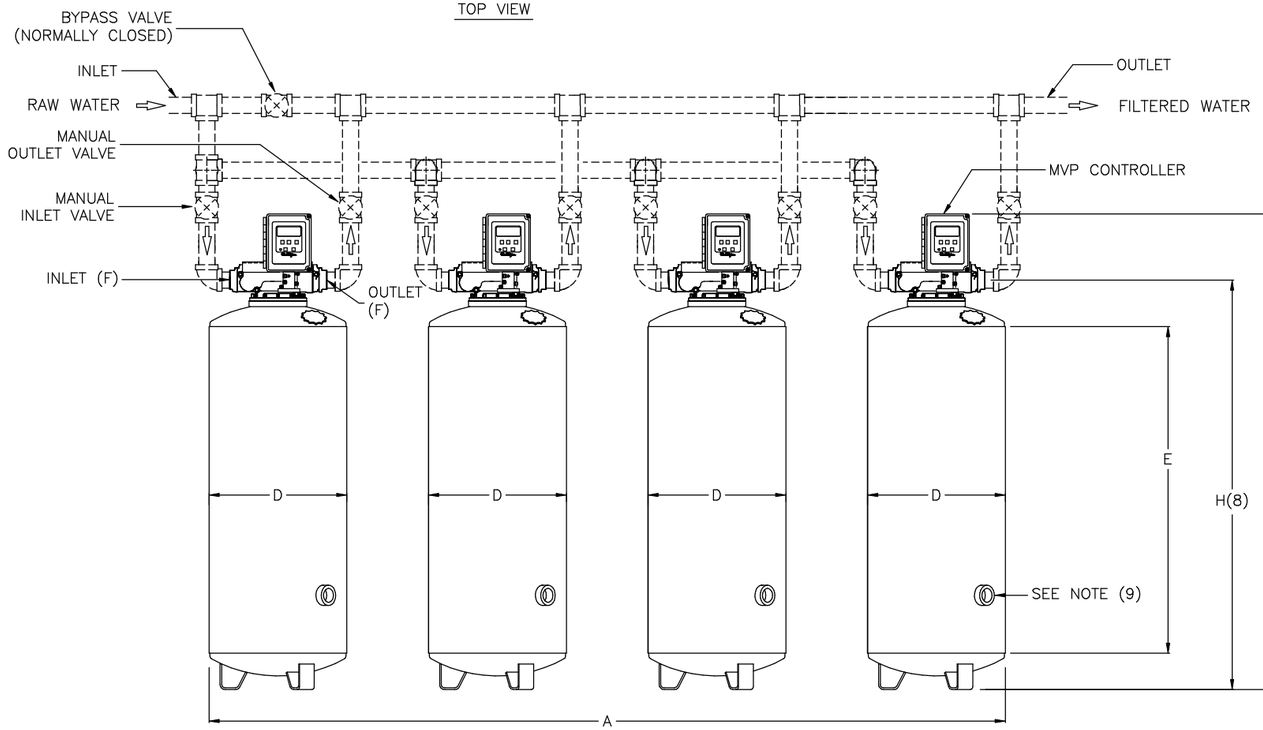
(8) OVERALL TANK HEIGHT IS BASED ON STANDARD NON–CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.

(9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

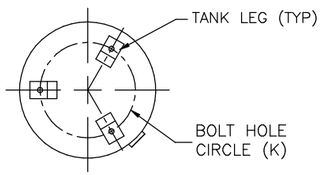
	DIMENSIONS (INCHES)																
MODEL	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE–SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H(8)	BOLT HOLE CIRCLE K	SUPERIOR QUALITY FLOW gpm @ DP	HIGH QUALITY FLOW gpm @ DP	UTILITY QUALITY FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER(8) in.	QUAD OPER. WT. lbs.	QUAD SHIP. WT. lbs.
HR–202	120	71.00	24	20	48	2.0	2.0	61.75	14	9 @ 1	14 @ 1	18 @ 2	20	1.5	2.75	3600	2120
HR–242	136	73.00	26	24	48	2.0	2.0	64	18	13 @ 1	19 @ 1	26 @ 2	30	1.5	2	4720	2680
HR–302	160	75.25	30	30	48	2.0	2.0	66	24	20 @ 2	30 @ 2	40 @ 3	45	1.5	10	7480	4000
HR–362	184	82.25	36	36	54	2.0	2.0	73.25	29.75	29 @ 2	42 @ 4	57 @ 6	70	2	6.5	11480	5680
HR–422	208	84.00	42	42	54	2.0	2.0	74.50	35.75	39 @ 3	58 @ 5	77 @ 8	100	2.5	7	16120	8000



TOP VIEW



QUAD INSTALLATION



BOTTOM VIEW

Hi-Flo 55e

CAD File: Hi-Flo 55e Carbon Quad.dwg

DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan® ENGINEERED SYSTEMS
NORTHBROOK, ILLINOIS

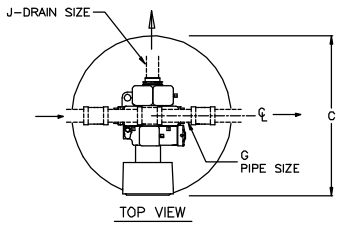
NAME HI–FLO® 55e CARBON FILTER QUAD TECHNICAL DATA SHEET

DETAILED BY:	APP. BY:	SHEET
KMR 7/15/03		1 OF 1

REF. NO.

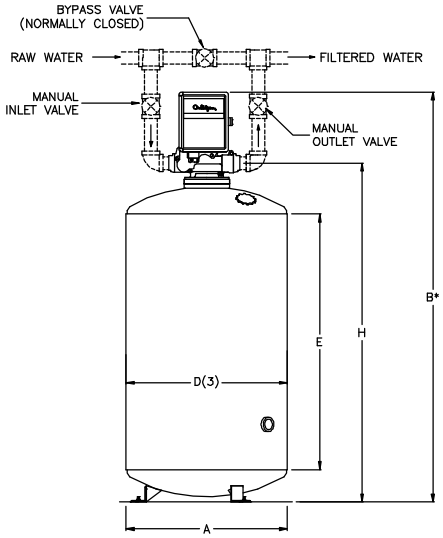
PART NO. F55_CARBON_4

Hi-Flo 55e - Use for Cullsorb Only

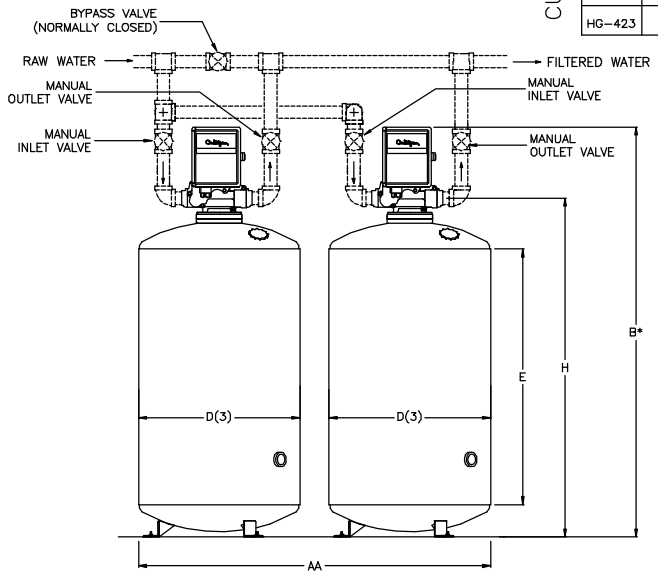


TOP VIEW

	MODEL	DIMENSIONS (INCHES) A	AA	B*	C	D(3)	E	G	H	J	MIN. DRAIN PIPE SIZE	DRAIN FLOW	SIMPLEX OPER. WT.
DEPTH	HD–202	21	48	74	24	20	48	2	60	2	1 1/2"	30gpm	1,200 lb.
	HD–242	25	56	75	26	24	48	2	61	2	1 1/2"	45gpm	1,630 lb.
	HD–302	31	68	76	30	30	48	2	62	2	2"	70gpm	2,560 lb.
	HD–362	37	80	86	36	36	54	2	72	2	2 1/2"	100gpm	3,900 lb.
	HD–423	43	92	87	42	42	54	3	73	3	2 1/2"	135gpm	5,450 lb.
CULLAR®	HR–202	21	48	74	24	20	48	2	60	2	1 1/2"	20gpm	900 lb.
	HR–242	25	56	75	26	24	48	2	61	2	1 1/2"	30gpm	1,180 lb.
	HR–302	31	68	76	30	30	48	2	62	2	1 1/2"	45gpm	1,870 lb.
	HR–362	37	80	86	36	36	54	2	72	2	2"	70gpm	2,870 lb.
	HR–422	43	92	87	42	42	54	2	73	2	2 1/2"	100gpm	4,030 lb.
CULLSORB®	HG–202	21	48	74	24	20	48	2	60	2	1 1/2"	30gpm	1,200 lb.
	HG–242	25	56	75	26	24	48	2	61	2	1 1/2"	45gpm	1,630 lb.
	HG–302	31	68	76	30	30	48	2	62	2	2"	70gpm	2,560 lb.
	HG–362	37	80	86	36	36	54	2	72	2	2 1/2"	100gpm	4,050 lb.
	HG–423	43	92	87	42	42	54	3	73	3	2 1/2"	135gpm	5,620 lb.



SIMPLEX INSTALLATION



DUPLEX INSTALLATION

NOTES:
(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
(2) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN 5 FEET OF THE EQUIPMENT.
(3) INSIDE DIAMETER–ALLOW A MINIMUM OF 1–INCH (25mm) FOR OUTSIDE CLEARANCE.
(4) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
(5) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NON–CONDUCTIVE (DIELECTRIC) FITTINGS WILL REDUCE GALVANIC CORROSION.
* OVERALL HEIGHT BASED ON STANDARD NON–CODE CONSTRUCTION. SPECIALLY CONSTRUCTED TANKS DESIGNED FOR HIGHER WORKING PRESSURES AND A.S.M.E. CODE CONSTRUCTED TANKS ARE SLIGHTLY TALLER. CONSULT FACTORY IF HEIGHT IS CRITICAL. ALLOW 24–INCHES (0.6m) ABOVE SOFTENER FOR FILLING.
* DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE TO CONFORM TO SANITATION CODES AND TO PERMIT THE OBSERVATION OF THE DRAIN FLOW. DO NOT INSTALL A VALVE IN DRAIN LINE OR USE PIPE SMALLER THAN LISTED IN TABLE.

LET	CHANGE	BY	APP	DATE

Culligan®
NORTHBROOK, ILLINOIS

SCALE	DETAILED BY	CHECKED BY	APPROVED
00.00	KMR		
REF. NO.	DATE	DATE	DATE
	2/26/99		

NAME: HI–FLO ®55e, 20"–42" FILTERS DEPTH, CULLAR, CULLSORB TECHNICAL DATA SHEET
PART NO. F55
SHEET 1 OF 1

CAD File: Filt_HF55.dwg