

# Liquatec

## PRODUCT CATALOG

THE FUTURE OF FILTRATION

[www.Liquatec.com](http://www.Liquatec.com)

WE  
COMPLETE  
YOUR  
SYSTEM





# GENERAL INFORMATION

## MINIMUM ORDERS

MINIMUM ORDER IS \$100 PER ORDER

## PAYMENT TERMS

TERMS ARE GIVEN ON APPROVED CREDIT. PAYMENT IS DUE WITHIN THIRTY (30) DAYS FROM THE DATE OF INVOICE WITH PRIOR CREDIT APPROVAL. OTHERWISE, PAYMENTS ARE DUE PRIOR TO SHIPMENT BY CHECK, WIRE TRANSFER OR CREDIT CARD. COD SHIPMENTS ARE TO BE PAID BY CERTIFIED CHECK, CASHIER'S CHECK OR COMPANY CHECK WITH CREDIT REFERENCES PROVIDED.

## INTERNATIONAL CUSTOMERS

PAYMENTS ARE DUE IN U.S. DOLLARS BY ADVANCE PAYMENT, WIRE TRANSFER, CHECK OR CREDIT CARD, COVERING MERCHANDISE AND ANY PREPAID FREIGHT CHARGES THAT MAY APPLY.

## SHIPMENTS

ALL SHIPMENTS ARE F.O.B. ONTARIO, CALIFORNIA USA.

## TRANSPORTATION

CLAIMS FOR DAMAGED GOODS IN SHIPMENT OR SHORTAGES MUST BE MADE BY CUSTOMER DIRECT TO FREIGHT CARRIER IMMEDIATELY AFTER RECEIPT OF GOODS. ALL DAMAGES OR SHORTAGES MUST BE NOTED ON BILL OF LADING AT TIME OF DELIVERY. SHIPPER WILL NOT BE RESPONSIBLE FOR SHORT ITEMS IF NOT NOTED ON BILL OF LADING WITH FREIGHT CARRIER. PRODUCT SHOULD BE INSPECTED PROMPTLY AND ANY DAMAGED ITEMS REPORT WITHIN 3 WORKING DAYS OF RECEIPT. DAMAGED PRODUCT OR PACKAGING SHOULD NEVER BE DISPOSED WITHOUT PRIOR CONSENT FROM LIQUATEC.

## ORDER PLACEMENT

WE ASK OUR CUSTOMERS TO PLACE ALL ORDERS IN WRITING VIA FAX TO 909-627-9959.

## LIMITED WARRANTY

LIQUATEC'S LINE OF PRODUCTS COME WITH A LIMITED WARRANTY, OR THEY ARE COVERED BY THE ORIGINAL MANUFACTURER'S WARRANTY. PLEASE CONTACT LIQUATEC FOR MORE INFORMATION REGARDING WARRANTIES.

\* IT IS IMPORTANT THAT OUR CUSTOMERS INSPECT THEIR PRODUCT WITHIN SEVEN DAYS OF RECEIVING SHIPMENT.

## PRICES

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

## PAST DUE ACCOUNTS

PAST DUE ACCOUNTS WILL BE CHARGED INTEREST AT 1.5% PER MONTH.

## POLICY

THE GENERAL INFORMATION DESCRIBED ABOVE SUPERCEDES ANY PREVIOUSLY WRITTEN TERMS AND CONDITIONS THAT APPEAR IN COMPANY DOCUMENTS. ANY CHANGES MADE TO OUR GENERAL INFORMATION MUST BE AUTHORIZED BY LIQUATEC IN WRITING.



## COMPANY PROFILE

LIQUATEC IS A LEADING MANUFACTURER OF HIGH QUALITY WATER FILTRATION COMPONENTS. WITH MORE THAN 100 YEARS OF COMBINED EXPERIENCE IN THE FILTRATION, PURIFICATION AND WATER TREATMENT FIELDS, YOU CAN REST ASSURED THAT YOU WILL NOT ONLY GET THE PRODUCTS YOU NEED, BUT WILL ALSO BENEFIT FROM THE EXPERTISE THAT HAS BROUGHT US TO THE FOREFRONT OF THIS HIGHLY COMPETITIVE INDUSTRY.

WITH INCREASING DEMANDS FOR RELIABLE SOURCES OF TREATMENT SYSTEMS AND COMPONENTS, OUR RESEARCH AND DEVELOPMENT TEAM HAS FOCUSED ON NOT ONLY DEVELOPING INNOVATIVE COMPONENTS FOR THE RESIDENTIAL, COMMERCIAL AND LIGHT INDUSTRIAL MARKETS, BUT ALSO STRIVES TO ASSURE THAT EACH COMPONENT IS MANUFACTURED WITH PRECISION AND ACCURACY TIME AND TIME AGAIN.

WITH A GROWING LINE OF NSF CERTIFIED, TESTED AND LISTED PRODUCTS YOU CAN REST ASSURED THAT LIQUATEC GIVES YOU THE PEACE OF MIND THAT YOU ARE GETTING THE BEST POSSIBLE PRODUCTS AT THE BEST POSSIBLE PRICES. WHILE OTHERS CAN BOAST THAT THEY ARE A SINGLE SOURCE SUPPLIER, ONLY LIQUATEC CAN DELIVER AS YOUR SINGLE SOURCE MANUFACTURER OF QUALITY COMPONENTS WITHOUT BEING YOUR CLOSEST COMPETITOR.

WE AT LIQUATEC PRODUCTS BELIEVE THAT CUSTOMER SERVICE IS THE KEY TO YOUR SUCCESS. THIS IS WHY WE GO THE EXTRA MILE TO PROVIDE YOU WITH QUALITY COMPONENTS EQUALED ONLY BY OUR UNPARALLELED SERVICE AND ATTENTION TO DETAIL. WE ARE NOT YOUR AVERAGE COMPANY, SO IT IS ONLY SAFE TO SAY THAT OUR PRODUCT AND SERVICE ARE FAR FROM AVERAGE. IN A NUTSHELL, OUR GOAL IS TO BE YOUR PRIMARY SOURCE FOR ALL OF YOUR WATER FILTRATION COMPONENT NEEDS. ONCE YOU WORK WITH US YOU WILL UNDERSTAND WHY THE LIQUATEC FAMILY OF PRODUCTS IS THE SUPERIOR CHOICE IN WATER FILTRATION COMPONENTS.



## CREDIT APPLICATION

**IMPORTANT: BEFORE COMPLETING THIS FORM PLEASE READ AND UNDERSTAND THE ACCOUNT TERMS AND CONDITIONS ENCLOSED WITH THIS DOCUMENT OR BY VISITING [WWW.LIQUATEC.COM](http://WWW.LIQUATEC.COM). IF YOU REQUIRE ASSISTANCE IN COMPLETING THIS FORM, PLEASE FEEL FREE TO CONTACT US AT: (909) 627-9935**

Company Name: \_\_\_\_\_

### COMPANY ADDRESS

Street: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Years at this location: \_\_\_\_\_

Tax ID #: \_\_\_\_\_

UPS Account # \_\_\_\_\_

Estimated Monthly Credit Required: \$ \_\_\_\_\_

Is Company Incorporated? \_\_\_\_\_

If Yes, What Year? \_\_\_\_\_

### BILLING ADDRESS (IF DIFFERENT)

Street: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Accounts Payable Contact: \_\_\_\_\_

E-mail: \_\_\_\_\_

Purchasing Contact: \_\_\_\_\_

E-mail: \_\_\_\_\_

Resale Account #: \_\_\_\_\_

State: \_\_\_\_\_ D&B#: \_\_\_\_\_

**COMPANY IDENTIFICATION AND BANKING DETAILS. ALL INFORMATION MUST BE COMPLETED ENTIRELY. CREDIT APPLICATIONS WITH BLANK INFORMATION WILL NOT BE PROCESSED.**

### PRINCIPALS

Name: \_\_\_\_\_

Social Security #: \_\_\_\_\_

Home Telephone No: \_\_\_\_\_

Home Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Name: \_\_\_\_\_

Social Security #: \_\_\_\_\_

Home Telephone No: \_\_\_\_\_

Home Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### BANK INFORMATION

Bank Name: \_\_\_\_\_

Type of Account: \_\_\_\_\_

Telephone No: \_\_\_\_\_

Contact: \_\_\_\_\_

Account No: \_\_\_\_\_

Fax: \_\_\_\_\_

### TRADE REFERENCES

1. Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Contact: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Fax: \_\_\_\_\_

2. Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Contact: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Fax: \_\_\_\_\_

3. Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Contact: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Fax: \_\_\_\_\_



## CREDIT APPLICATION

### TERMS AND CONDITIONS OF SALE

**PAYMENT TERMS:** Orders to be prepaid via credit card unless credit terms granted.

**PRICING:** Prices are subject to change without notice.

**RETURNS:** When authorized by Liquatec in writing, unused and/or defective product may be returned. Returns are subject to a 25% restocking fee and repair charges. All returns must be approved by Liquatec and a return authorization must be issued prior to returning product. Once approved, product may be returned, freight prepaid.

**TRANSPORTATION:** Claims for damaged goods in shipping must be made by the customer directly to the shipping company when order is shipped freight collect. Product should be inspected promptly and any damaged items reported within 3 working days of receipt. Damaged product or packaging should NEVER be disposed without prior consent from Liquatec.

**WARRANTY:** Most Liquatec products have some limited warranty covering materials and workmanship. Please refer to the product specification sheets or contact us for warranty information.

**PAST DUE ACCOUNTS:** A service charge of 1.5% interest per month may be applied to any and all accounts that become delinquent in payment and/or terms. These accounts will then be required to prepay on subsequent orders, if deemed necessary by Liquatec, shipments may be held without prior notice if payment has not been arranged on any and all past due invoices.

### DECLARATIONS AND CONDITIONS

By signing this credit application, I hereby authorize Liquatec to obtain any information required as it relates to this application from any source to which Liquatec may apply and each source is authorized to provide such information upon request. In consideration of extending credit, I hereby personally guarantee Liquatec payment of all owed amounts and hereby agree to bind myself for payment of any unpaid debt, including finance charges, shipping and handling, collection costs and/or attorney fees. I am financially able to meet any commitments I will make toward Liquatec and shall pay Liquatec within 30 days or according to terms stated on invoice. In the event it becomes necessary to file a lien, suit or engage a collection agency or attorney, customer agrees to bear all expenses incurred, including but not limited to attorney fees, court costs and interest. Customer agrees and acknowledges that the Superior Court of California, in and for the County of San Bernadino, is the proper venue and jurisdiction for the litigation of, or performance of any matters relating to this credit application or the account. By signing this form, I also agree to the terms and conditions listed above and listed in the latest version of the Liquatec Product Catalog, Terms and Conditions can be read at [www.Liquatec.com](http://www.Liquatec.com) by clicking on Terms and Conditions. Duly signed for on behalf of the company: \_\_\_\_\_

Name of Principal: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**LIQUATEC**  
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# LIQUATEC FAMILY OF PRODUCTS

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## SDF SERIES SEDIMENT DEPTH FILTER



### LIQUATEC SDF SERIES 2.5" DIAMETER FILTERS

The Liquatec Series 2.5" diameter SDF cartridge's coreless design is an economical solution to pre-filtration for many applications. They are used widely as pre-filtration for RO systems and post-filtration for GAC filters. They are also used in applications such as Ice Machines, Film Processing, Beverage, Coffee, Analytical, Wineries, and many others.

### LIQUATEC SDF SERIES 4.5" DIAMETER FILTERS

Our 4.5" diameter SDF filters have true multi-stage depth filtration integrated into their design. Utilizing our technology to create 4 separate layers of micron filtration, our outside-in flow allows the outer layer to trap the larger sized particles, resulting in a much lower pressure drop compared to conventional filters. Trapping various sized particles layer-by-layer, our SDF SERIES filters provide a much higher dirt holding capacity than standard spun polypropylene and string wound cartridges.

### 2.5" DIAMETER SPECIFICATION

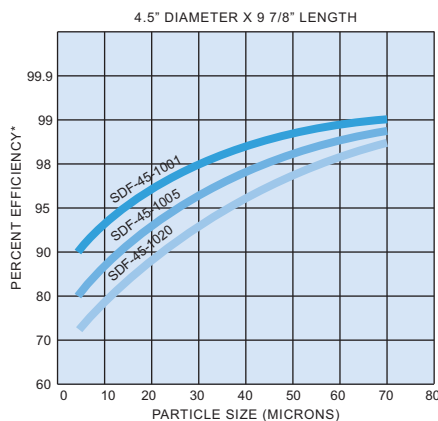
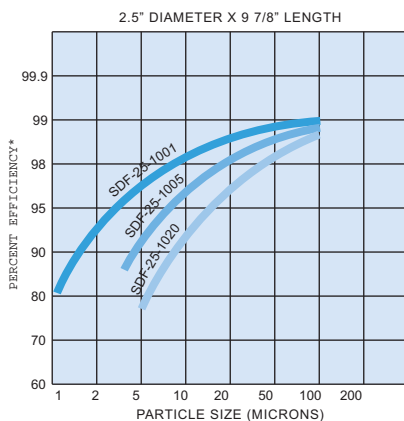
PART NUMBER	DESCRIPTION	MICRON RATING	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 4 7/8"</b>					
SDF-25-0501	2.5" X 4 7/8"	1	80	13 X 11 X 21	13 LBS
SDF-25-0505	2.5" X 4 7/8"	5	80	13 X 11 X 21	13 LBS
SDF-25-0510	2.5" X 4 7/8"	10	80	13 X 11 X 21	13 LBS
<b>2.5" X 9 7/8"</b>					
SDF-25-1001	2.5" X 9 7/8"	1	40	13 X 11 X 21	13 LBS
SDF-25-1005	2.5" X 9 7/8"	5	40	13 X 11 X 21	13 LBS
SDF-25-1010	2.5" X 9 7/8"	10	40	13 X 11 X 21	13 LBS
SDF-25-1020	2.5" X 9 7/8"	20	40	13 X 11 X 21	13 LBS
SDF-25-1050	2.5" X 9 7/8"	50	40	13 X 11 X 21	13 LBS
<b>2.5" X 20"</b>					
SDF-25-2001	2.5" X 20"	1	20	13 X 11 X 21	13 LBS
SDF-25-2005	2.5" X 20"	5	20	13 X 11 X 21	13 LBS
SDF-25-2010	2.5" X 20"	10	20	13 X 11 X 21	13 LBS
SDF-25-2020	2.5" X 20"	20	20	13 X 11 X 21	13 LBS
SDF-25-2050	2.5" X 20"	50	20	13 X 11 X 21	13 LBS
<b>2.5" X 30"</b>					
SDF-25-3001	2.5" X 30"	1	12	31 X 11 X 9	12 LBS
SDF-25-3005	2.5" X 30"	5	12	31 X 11 X 9	12 LBS
SDF-25-3010	2.5" X 30"	10	12	31 X 11 X 9	12 LBS
SDF-25-3025	2.5" X 30"	25	12	31 X 11 X 9	12 LBS
SDF-25-3075	2.5" X 30"	75	12	31 X 11 X 9	12 LBS
<b>2.5" X 40"</b>					
SDF-25-4001	2.5" X 40"	1	12	41 X 11 X 9	16 LBS
SDF-25-4005	2.5" X 40"	5	12	41 X 11 X 9	16 LBS
SDF-25-4010	2.5" X 40"	10	12	41 X 11 X 9	16 LBS
SDF-25-4025	2.5" X 40"	25	12	41 X 11 X 9	16 LBS
SDF-25-4075	2.5" X 40"	75	12	41 X 11 X 9	16 LBS

### 4.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>4.5" X 10"</b>					
SDF-45-1001	4.5" X 9 7/8"	1	12	14 X 10 X 21	15 LBS
SDF-45-1005	4.5" X 9 7/8"	5	12	14 X 10 X 21	15 LBS
SDF-45-1010	4.5" X 9 7/8"	10	12	14 X 10 X 21	15 LBS
SDF-45-1020	4.5" X 9 7/8"	20	12	14 X 10 X 21	15 LBS
SDF-45-1050	4.5" X 9 7/8"	50	12	14 X 10 X 21	15 LBS
<b>4.5" X 20"</b>					
SDF-45-2001	4.5" X 20"	1	6	14 X 10 X 21	15 LBS
SDF-45-2005	4.5" X 20"	5	6	14 X 10 X 21	15 LBS
SDF-45-2010	4.5" X 20"	10	6	14 X 10 X 21	15 LBS
SDF-45-2020	4.5" X 20"	20	6	14 X 10 X 21	15 LBS
SDF-45-2050	4.5" X 20"	50	6	14 X 10 X 21	15 LBS



## SDF SERIES SEDIMENT DEPTH FILTER



### PRODUCT APPLICATIONS:

- ELECTROPLATING, ETCHING, AND IMAGE DEVELOPING PROCESSES IN PCB INDUSTRY
- FILTRATION FOR ELECTROPLATING INDUSTRY
- PRE-FILTER FOR DI & RO WATER FILTRATION SYSTEMS
- PRE-FILTRATION FOR LOW-VISCOSITY CHEMICALS
- PRE-FILTRATION FOR MANUFACTURING AND WATER RECYCLING

### FEATURES & BENEFITS:

- CERTIFIED TO NSF STANDARD 42, FDA APPROVED
- 100% HIGH PURITY POLYPROPYLENE, SURFACTANT FREE, BINDER FREE AND ADHESIVE FREE
- HIGH CHEMICAL RESISTANCE
- FOUR LAYERS, OUTSIDE-IN FLOW AND STEP-BY-STEP MICRON RATING THAT EFFECTIVELY RETAINS PARTICLES AND EXTENDS THE FILTER LIFE WITH A MUCH LOWER PRESSURE DROP

### OPERATING DATA:

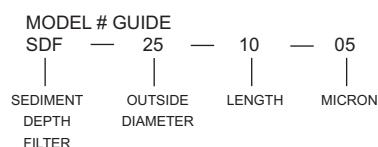
- MAXIMUM OPERATING TEMPERATURE: 40°F TO 145°F (4.4°C TO 62.8°C)
- MAXIMUM PRESSURE DROP: 68°F (20°C) 46.4PSI (3.2 KG / CM²)
- RECOMMENDED REPLACEABLE PRESSURE DROP: 21.75 PSI (1.5KG/ CM²)

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



### SDF SERIES SPECIFICATIONS:

- NOMINAL MICRON RATINGS: 1, 5, 20, 50, 75 AND 100
- MATERIALS OF CONSTRUCTION: 100% POLYPROPYLENE
- AVAILABLE LENGTHS: 4 7/8", 9 7/8", 20", 30" AND 40"
- INSIDE DIAMETER: 1.1"
- OUTSIDE DIAMETER: 2.5", 4.5"
- SPECIAL LENGTHS, DIAMETERS AND MICRON LEVELS AVAILABLE UPON REQUEST



\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Liquatec

2133 S. Green Privado Ontario, CA 91761 USA  
sales@Liquatec.com  
www.Liquatec.com

## LX SERIES INDUSTRIAL DEPTH FILTER



### LIQUATEC LX SERIES INDUSTRIAL DEPTH FILTERS

Ensure purity, reliability and consistent results. They are made of thermally bonded micro fibers that help create a strong filter cartridge that trap particle throughout its depth. Liquatec LX Series filters are truly high performance cartridges which combine performance, efficiency, long life and purity so you can have the best performing filter on the market.

### LIQUATEC LX SERIES INDUSTRIAL DEPTH FILTERS

Are true-graded to capture particles throughout the entire filter depth. High dirt-holding capacity equals longer life and fewer changeouts.

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



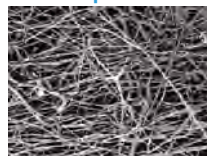
### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 9 7/8"</b>					
LX-25-1001	2.5" X 9 7/8"	1	40	13 X 11 X 21	15 LBS
LX-25-1005	2.5" X 9 7/8"	5	40	13 X 11 X 21	15 LBS
LX-25-1010	2.5" X 9 7/8"	10	40	13 X 11 X 21	15 LBS
LX-25-1020	2.5" X 9 7/8"	20	40	13 X 11 X 21	14 LBS
LX-25-1050	2.5" X 9 7/8"	50	40	13 X 11 X 21	14 LBS
LX-25-1075	2.5" X 9 7/8"	75	40	13 X 11 X 21	14 LBS
<b>2.5" X 20"</b>					
LX-25-2001	2.5" X 20"	1	20	13 X 11 X 21	15 LBS
LX-25-2005	2.5" X 20"	5	20	13 X 11 X 21	15 LBS
LX-25-2010	2.5" X 20"	10	20	13 X 11 X 21	15 LBS
LX-25-2020	2.5" X 20"	20	20	13 X 11 X 21	14 LBS
LX-25-2050	2.5" X 20"	50	20	13 X 11 X 21	14 LBS
LX-25-2075	2.5" X 20"	75	20	13 X 11 X 21	14 LBS

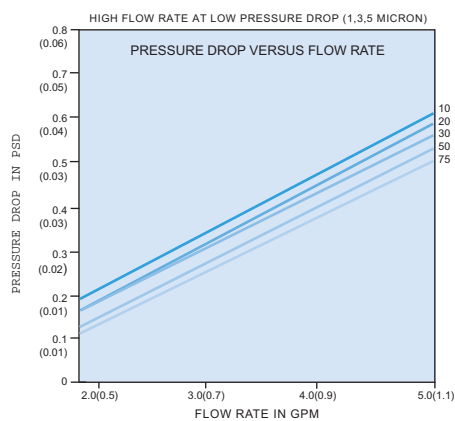
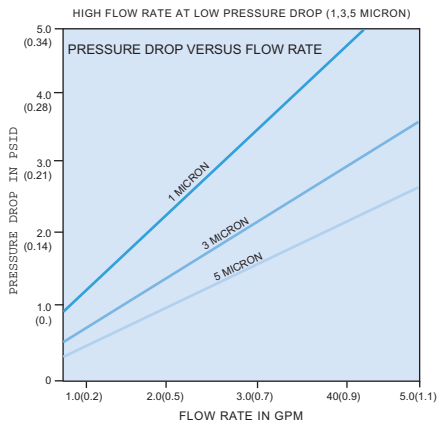
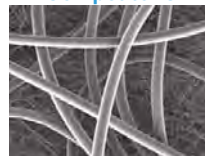
#### LX SERIES DEPTH FILTER CARTRIDGE

- PURE POLYPROPYLENE CONSTRUCTION
- FAST RINSE-UP IN HIGH PURITY APPLICATIONS
- WIDE CHEMICAL COMPATIBILITY
- FEWER FILTER CHANGE OUTS
- 90% EFFICIENCY

Liquatec



Competitor's



\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Liquatec

2133 S. Green Privado Ontario, CA 91761 USA  
sales@Liquatec.com  
www.Liquatec.com

## SBD SERIES SEDIMENT BONDED DEPTH FILTER

### LIQUATEC SBD SERIES SEDIMENT BONDED DEPTH FILTERS

Are specially designed Thermally Bonded Polypropylene filters that provide superior filtration performance. Our sediment Bonded Depth filters incorporate a durable polypropylene center core for increased strength and structural integrity.

### LIQUATEC SBD SERIES SEDIMENT BONDED DEPTH FILTERS

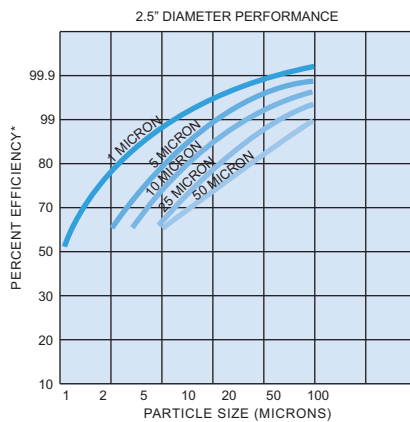
Incorporate fine grooves on the outside of the filter for increased surface area and will not impart color, taste and odor on the liquid being filtered. SBD Bonded Depth Filter produce consistent flow rates and have minimal fiber release, which makes it ideal for food and beverage applications.

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



### 2.5" DIAMETER PERFORMANCE

PART NUMBER	DESCRIPTION	INITIAL ΔP (psi) @ FLOW RATE (GPM)	MICRON RATING	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 9 7/8"</b>						
SBD-25-1005	2.5" X 10"	2 psid @ 2 gpm (0.14 bar @ 7.6 L/min)	5	40	13 X 11 X 21	14 LBS
<b>2.5" X 20"</b>						
SBD-25-2005	2.5" X 20"	2 psid @ 5 gpm (0.14 bar @ 19 L/min)	5	20	13 X 11 X 21	14 LBS
<b>2.5" X 30"</b>						
SBD-25-3001	2.5" X 30"	2 psid @ 9 gpm (0.14 bar @ 34 L/min)	1	12	31 X 11 X 9	20 LBS
SBD-25-3005	2.5" X 30"	2 psid @ 9 gpm (0.14 bar @ 34 L/min)	5	12	31 X 11 X 9	20 LBS



### MATERIALS OF CONSTRUCTION

- FILTER POLYPROPYLENE
- TEMPERATURE RATING 40°F TO 175°F (4.4°C TO 79.4°C)

### MODEL # GUIDE

SBD — 25 — 10 — 05

SEDIMENT BONDED DEPTH      OUTSIDE DIAMETER      LENGTH      MICRON



- THERMALLY BONDED POLYPROPYLENE MICRON-FIBER CONSTRUCTION FOR HIGHER FILTRATION EFFICIENCY.
- SBD CARTRIDGE WILL NOT IMPART TASTE, ODOR OR COLOR TO WATER BEING FILTERED.
- POLYPROPYLENE CONSTRUCTION PROVIDES SUPERIOR CHEMICAL RESISTANCE AND RESIST BACTERIAL ATTACK.
- SBD FILTERS HAVE MINIMAL FIBER RELEASE, CONSISTENT FLOW RATE AND SUPERIOR FILTRATION PERFORMANCE.
- DURABLE POLYPROPYLENE CORE FOR INCREASED STRENGTH

\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

\* SPECIAL LENGTHS AND DIAMETER AVAILABLE.

Liquatec

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## SWF SERIES STRING WOUND FILTER



### LIQUATEC SWF SERIES STRING WOUND FILTERS

Are a cost effective solution for the reduction of sand, silt, rust, dirt and scale particles. Made from 100% polypropylene cord, SWF Series String Wound Filters can withstand temperatures of up to 165°F (73.9°C).

### LIQUATEC SWF SERIES STRING WOUND FILTERS

Are suitable for a variety of applications including residential and commercial applications using both municipal and well water. Different wound patterns for different micron ratings insure that you are getting the right product for the right application.

#### MATERIALS OF CONSTRUCTION

• FILTER MEDIA	POLYPROPYLENE FIBER CORD
• CORE	POLYPROPYLENE
• TEMPERATURE RATING	40°F TO 165°F (4.4°C TO 73.9°C)

### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" x 10"</b>					
SWF-25-1001	2.5" x 10"	1	40	13 X 11 X 21	20 LBS
SWF-25-1005	2.5" x 10"	5	40	13 X 11 X 21	19 LBS
SWF-25-1010	2.5" x 10"	10	40	13 X 11 X 21	19 LBS
SWF-25-1020	2.5" x 10"	20	40	13 X 11 X 21	19 LBS
SWF-25-1030	2.5" x 10"	30	40	13 X 11 X 21	19 LBS
SWF-25-1050	2.5" x 10"	50	40	13 X 11 X 21	19 LBS
SWF-25-10100	2.5" x 10"	100	40	13 X 11 X 21	19 LBS
<b>2.5" x 20"</b>					
SWF-25-2001	2.5" x 20"	1	20	13 X 11 X 21	20 LBS
SWF-25-2005	2.5" x 20"	5	20	13 X 11 X 21	19 LBS
SWF-25-2010	2.5" x 20"	10	20	13 X 11 X 21	19 LBS
SWF-25-2020	2.5" x 20"	20	20	13 X 11 X 21	19 LBS
SWF-25-2030	2.5" x 20"	30	20	13 X 11 X 21	19 LBS
SWF-25-2050	2.5" x 20"	50	20	13 X 11 X 21	19 LBS
SWF-25-20100	2.5" x 20"	100	20	13 X 11 X 21	19 LBS
<b>2.5" x 30"</b>					
SWF-25-3001	2.5" x 30"	1	12	31 X 11 X 9	19 LBS
SWF-25-3005	2.5" x 30"	5	12	31 X 11 X 9	18 LBS
SWF-25-3010	2.5" x 30"	10	12	31 X 11 X 9	18 LBS
SWF-25-3020	2.5" x 30"	20	12	31 X 11 X 9	18 LBS
SWF-25-3030	2.5" x 30"	30	12	31 X 11 X 9	18 LBS
SWF-25-3050	2.5" x 30"	50	12	31 X 11 X 9	18 LBS
SWF-25-30100	2.5" x 30"	100	12	31 X 11 X 9	18 LBS
<b>2.5" x 40"</b>					
SWF-25-4001	2.5" x 40"	1	12	41 X 11 X 9	26 LBS
SWF-25-4005	2.5" x 40"	5	12	41 X 11 X 9	25 LBS
SWF-25-4010	2.5" x 40"	10	12	41 X 11 X 9	25 LBS
SWF-25-4020	2.5" x 40"	20	12	41 X 11 X 9	25 LBS
SWF-25-4030	2.5" x 40"	30	12	41 X 11 X 9	25 LBS
SWF-25-4050	2.5" x 40"	50	12	41 X 11 X 9	25 LBS
SWF-25-40100	2.5" x 40"	100	12	41 X 11 X 9	25 LBS

### 4.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>4.5" x 10"</b>					
SWF-45-1001	4.5" x 10"	1	12	14 X 10 X 21	24 LBS
SWF-45-1005	4.5" x 10"	5	12	14 X 10 X 21	23 LBS
SWF-45-1010	4.5" x 10"	10	12	14 X 10 X 21	23 LBS
SWF-45-1020	4.5" x 10"	20	12	14 X 10 X 21	23 LBS
SWF-45-1030	4.5" x 10"	30	12	14 X 10 X 21	23 LBS
SWF-45-1050	4.5" x 10"	50	12	14 X 10 X 21	23 LBS
SWF-45-10100	4.5" x 10"	100	12	14 X 10 X 21	23 LBS
<b>4.5" x 20"</b>					
SWF-45-2001	4.5" x 20"	1	6	14 X 10 X 21	24 LBS
SWF-45-2005	4.5" x 20"	5	6	14 X 10 X 21	23 LBS
SWF-45-2010	4.5" x 20"	10	6	14 X 10 X 21	23 LBS
SWF-45-2020	4.5" x 20"	20	6	14 X 10 X 21	23 LBS
SWF-45-2030	4.5" x 20"	30	6	14 X 10 X 21	23 LBS
SWF-45-2050	4.5" x 20"	50	6	14 X 10 X 21	23 LBS
SWF-45-20100	4.5" x 20"	100	6	14 X 10 X 21	23 LBS

\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

\*SPECIAL LENGTHS AND DIAMETERS AVAILABLE

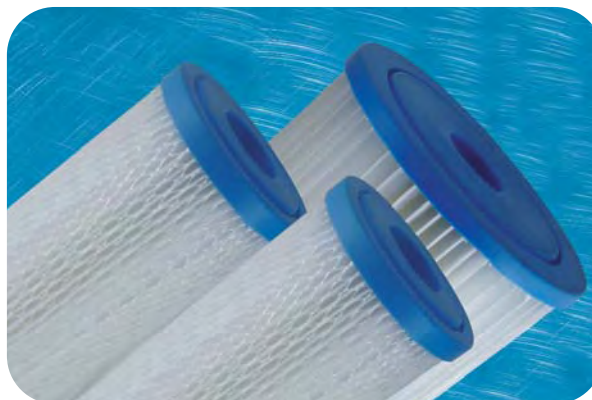
## SPF SERIES POLYESTER PLEATED FILTER

### LIQUATEC SPF SERIES POLYESTER PLEATED FILTERS

Are manufactured from durable polyester to provide you with a superior pleated filter that is washable, reusable and durable. SPF Series Pleated Filters are chemical and bacteria resistant and have a great dirt holding capacity and extend the time between filter changes.

### LIQUATEC SPF SERIES POLYESTER PLEATED FILTERS

Are suitable for a variety of uses and can be used in residential, commercial and industrial applications. The media is pleated around a polypropylene core for added strength and the ends are immersed in a thermo setting vinyl plastisol. Embedding and sealing at each end of the pleat in this fashion fuses the three components together forming a unified end cap and gasket.

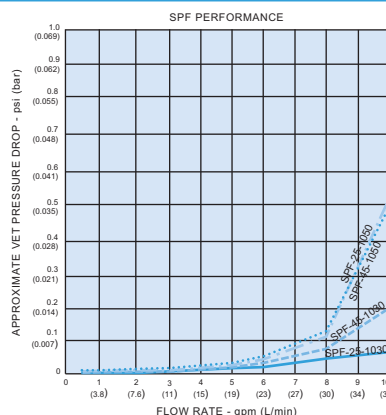
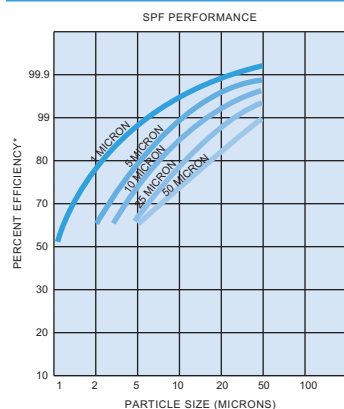


### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	INITIAL ΔP (psi) @ FLOW RATE (GPM)	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 10"</b>						
SPF-25-1001	2.5" X 9 7/8"	1	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	40	13 X 11 X 21	14.00 LBS
SPF-25-1005	2.5" X 9 7/8"	5	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	40	13 X 11 X 21	14.00 LBS
SPF-25-1010	2.5" X 9 7/8"	10	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	40	13 X 11 X 21	14.00 LBS
SPF-25-1020	2.5" X 9 7/8"	20	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	40	13 X 11 X 21	14.00 LBS
SPF-25-1030	2.5" X 9 7/8"	30	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	40	13 X 11 X 21	14.00 LBS
SPF-25-1050	2.5" X 9 7/8"	50	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	40	13 X 11 X 21	14.00 LBS
<b>2.5" X 20"</b>						
SPF-25-2001	2.5" X 20"	1	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	20	13 X 11 X 21	13.50 LBS
SPF-25-2005	2.5" X 20"	5	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	20	13 X 11 X 21	13.50 LBS
SPF-25-2020	2.5" X 20"	20	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	20	13 X 11 X 21	13.50 LBS
SPF-25-2030	2.5" X 20"	30	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	20	13 X 11 X 21	13.50 LBS
SPF-25-2050	2.5" X 20"	50	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	20	13 X 11 X 21	13.50 LBS

### 4.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	INITIAL ΔP (psi) @ FLOW RATE (GPM)	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>4.5" X 10"</b>						
SPF-45-1001	4.5" X 9 7/8"	1	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	12	14 X 10 X 21	9.50 LBS
SPF-45-1005	4.5" X 9 7/8"	5	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	12	14 X 10 X 21	9.50 LBS
SPF-45-1010	4.5" X 9 7/8"	10	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	12	14 X 10 X 21	9.50 LBS
SPF-45-1020	4.5" X 9 7/8"	20	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	12	14 X 10 X 21	9.50 LBS
SPF-45-1030	4.5" X 9 7/8"	30	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	12	14 X 10 X 21	9.50 LBS
SPF-45-1050	4.5" X 9 7/8"	50	1 psi @ 10 gpm (0.1 bar @ 38 L/min)	12	14 X 10 X 21	9.50 LBS
<b>4.5" X 20"</b>						
SPF-45-2001	4.5" X 20"	1	1 psi @ 20 gpm (0.1 bar @ 76 L/min)	6	14 X 10 X 21	8.50 LBS
SPF-45-2005	4.5" X 20"	5	1 psi @ 20 gpm (0.1 bar @ 76 L/min)	6	14 X 10 X 21	8.50 LBS
SPF-45-2010	4.5" X 20"	10	1 psi @ 20 gpm (0.1 bar @ 76 L/min)	6	14 X 10 X 21	8.50 LBS
SPF-45-2020	4.5" X 20"	20	1 psi @ 20 gpm (0.1 bar @ 76 L/min)	6	14 X 10 X 21	8.50 LBS
SPF-45-2030	4.5" X 20"	30	1 psi @ 20 gpm (0.1 bar @ 76 L/min)	6	14 X 10 X 21	8.50 LBS
SPF-45-2050	4.5" X 20"	50	1 psi @ 20 gpm (0.1 bar @ 76 L/min)	6	14 X 10 X 21	8.50 LBS



#### MATERIALS OF CONSTRUCTION

- FILTER MEDIA NON-WOVEN POLYESTER
- END CAPS VINYL PLASTISOL
- CORE POLYPROPYLENE
- TEMPERATURE RATING 40°F TO 125°F (4.4°C TO 51.7°C)

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## IA SERIES IN-LINE FILTER



### LIQUATEC IA SERIES IN-LINE FILTERS

Utilize coconut shell GAC and are designed to remove unpleasant tastes and odors as well as sediment to produce cleaner, clearer, better tasting water. These Granular Activated Carbon filters are easily installed on the water line to an automatic icemaker, Reverse Osmosis System or water dispensing system. Our specially designed spring eliminates the question of bypass. By packing the carbon your concerns of shifting carbon inside the filter are removed. Check other manufacturers simply by shaking it you will not hear any movement from ours.

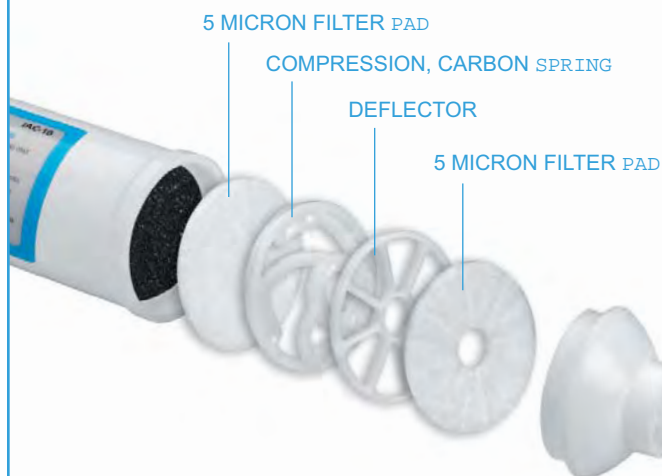
System Tested and Certified by NSF International against ANSI/NSF Standard 42 for the reduction of Chlorine, Taste and Odor.



### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2"OD</b>				
IAC-10	LIQUATEC NSF COCONUT INLINE FILTER 2000 GALLON, 2" X 10", 1/4" FNPT	25	10.5 X 10.5 X 10.5	16 LBS
IAC-10Q	LIQUATEC NSF COCONUT INLINE FILTER 2000 GALLON, 2" X 10", 1/4" QUICK CONNECT	25	10.5 X 10.5 X 12	17 LBS
IAC-RO	INLINE COCONUT FILTER, 2" X 10", 1/4" FNPT, NO LABEL	25	10.5 X 10.5 X 10.5	14 LBS
IAC-10SR	LIQUATEC SCALE REDUCTION INLINE FILTER 2000 GALLON, 2" X 10", 1/4" FNPT	25	10.5 X 10.5 X 10.5	16 LBS
IAP-10	LIQUATEC INLINE SEDIMENT FILTER, 2" X 10", 1/4" FNPT	25	10.5 X 10.5 X 10.5	12 LBS
IAC-6	LIQUATEC INLINE COCONUT FILTER 1000 GALLON, 2" X 6", 1/4" FNPT	50	10.5 X 10.5 X 10.5	18 LBS
IAC-6Q	LIQUATEC INLINE COCONUT FILTER 1000 GALLON, 2" X 6", 1/4" QUICK CONNECT	20	10 X 8 X 8	9 LBS
<b>2.5"OD X 12"L</b>				
IAC-2512	LIQUATEC INLINE COCONUT FILTER 3500 GALLON, 2.5" X 12", 1/4" FNPT	25	13 X 13 X 12	28 LBS
IAP-2512	LIQUATEC INLINE SEDIMENT FILTER, 2.5" X 12", 1/4" FNPT	25	13 X 13 X 12	14 LBS

### EXPLODED VIEW



\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

### CHLORINE TASTE & ODOR REDUCTION

#### COCONUT SHELL CARBON

SERVICE LIFE ONE YEAR OR	2000 GAL	7570 L
MAXIMUM FLOW	.50 GPM	1.9 LPM
MAXIMUM PRESSURE	125 PSI	8.6 BAR
MAXIMUM TEMPERATURE	100°F	38°C
MINIMUM TEMPERATURE	35°F	2°C

### DIRT AND SAND REDUCTION

SERVICE LIFE	APPLICATIONS VARY	
MAXIMUM FLOW	.50 GPM	1.9 LPM
MAXIMUM PRESSURE	125 PSI	8.6 BAR
MAXIMUM TEMPERATURE	100°F	38°C
MINIMUM TEMPERATURE	35°F	2°C
MICRON RATING	5M	

### AVAILABLE PORT SIZES

- 1/4" Female NPT Basic
- 1/4" Quick Connect

### APPLICATIONS

- Icemaker
- Reverse Osmosis Systems
- Coffee Makers
- Refrigerator

Liquatec

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# CB SERIES CARBON BLOCK FILTER

## LIQUATEC CB SERIES CARBON BLOCK FILTERS

Are manufactured with high purity activated carbon. Available in a wide range of lengths, diameters, and micron ratings, our Liquec blocks provide an exceptional cost-to-performance value. With high chlorine reduction, great dirt-holding capacity, and greatly reduced carbon fines, you will soon make the CB series your carbon block of choice.

## LIQUATEC CB SERIES CARBON BLOCK FILTERS

Are ideal for point-of-use (POU) and Reverse Osmosis applications. These cartridges can be used in a wide range of applications such as residential, food service, commercial, and industrial. The CB Series carbon blocks are great for displacing traditional GAC (Granular Activated Carbon) and PAC (Powdered Activated Carbon) filters in application where high chlorine reduction is needed. Because of our overall lower cost, our CB Series are able to compete with virtually all carbon blocks manufactured in the USA.

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

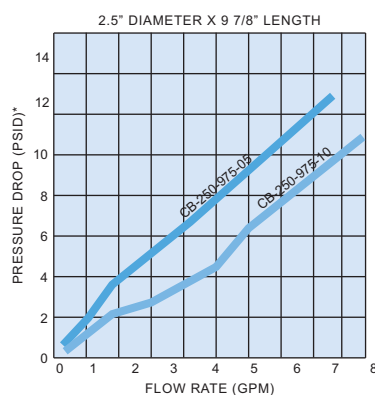
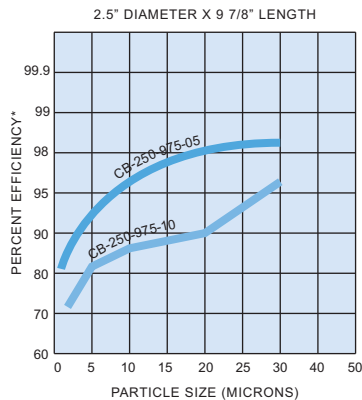


## 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	CHLORINE CAPACITY*	MICRON RATING NOMINAL*	INITIAL P (psi) \ @ FLOW RATE (gpm)*	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5"x4 7/8"</b>							
CB-250-478-05	2.5"x4 7/8"	3,000 @ 1gpm	5µm	2.0 psid @ 1.0gpm	40	16 X 13 X 12	22 LBS
<b>2.5"x9 7/8"</b>							
MCB10	2.5"x9 7/8"	20,000 @ 1gpm	0.5µm	4.0 psid @ 0.5gpm	20	16 X 13 X 12	22 LBS
CB-250-975-01	2.5"x9 7/8"	6,000 @ 0.75gpm	1µm	4.0 psid @ 0.75gpm	20	16 X 13 X 12	20 LBS
CB-250-975-05	2.5"x9 7/8"	6,000 @ 1gpm	5µm	2.0 psid @ 1.0gpm	20	16 X 13 X 12	19 LBS
CB-250-975-10	2.5"x9 7/8"	6,000 @ 1.5gpm	10µm	2.0 psid @ 1.0gpm	20	16 X 13 X 12	18 LBS
<b>2.5"x20"</b>							
CB-250-20-01	2.5"x20"	12,000 @ 1.5gpm	1µm	4.0 psid @ 1.5gpm	20	16 X 13 X 21	38 LBS
CB-250-20-05	2.5"x20"	9,000 @ 2gpm	5µm	2.0 psid @ 2.0gpm	20	16 X 13 X 21	35 LBS
CB-250-20-10	2.5"x20"	9,000 @ 2.5gpm	10µm	2.0 psid @ 2.0gpm	20	16 X 13 X 21	33 LBS

## 4.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	CHLORINE CAPACITY*	MICRON RATING NOMINAL*	INITIAL P (psi) \ @ FLOW RATE (gpm)*	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>4.5"x9 7/8"</b>							
CB-450-975-01	4.5"x9 7/8"	20,000 @ 2.5gpm	1µm	7.0 psid @ 2.5gpm	9	15 X 15 X 12	25 LBS
CB-450-975-05	4.5"x9 7/8"	12,000 @ 3.5gpm	5µm	4.0 psid @ 3.5gpm	9	15 X 15 X 12	23 LBS
CB-450-975-10	4.5"x9 7/8"	12,000 @ 4.0gpm	10µm	4.0 psid @ 4.0gpm	9	15 X 15 X 12	19 LBS
<b>4.5"x 20"</b>							
CB-450-20-01	4.5"x 20"	17,000 @ 1gpm	1µm	6.5 psid @ 5.0gpm	6	17 X 17 X 24	44 LBS
CB-450-20-05	4.5"x 20"	26,000 @ 7gpm	5µm	4.5 psid @ 7.0gpm	6	17 X 17 X 24	41 LBS
CB-450-20-10	4.5"x 20"	26,000 @ 8gpm	10µm	4.5 psid @ 8.0gpm	6	17 X 17 X 24	34 LBS



## MATERIALS OF CONSTRUCTION

- CARBON
  - NETTING
  - END CAPS
  - GASKETS
  - OUTER WRAP
  - TEMP RATING
  - INNER WRAP
- ACTIVATED CARBON  
POLYPROPYLENE  
POLYPROPYLENE  
NEOPRENE  
POLYPROPYLENE  
40°F TO 180°F  
POLYPROPYLENE

\* WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. CB series cartridges will contain a very small amount of carbon fines (very fine black powder). After installation follow the instructions for flushing the cartridge to remove all traces of the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

NOTE: Micron ratings based on 85% or greater removal of given particle size.

Liquatec

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## UDF SERIES GAC CARBON / MEDIA FILTER



### LIQUATEC UDF SERIES GAC / MEDIA FILTERS

Are available in 10", 20" lengths, 2.5", 4.5" diameters. Liqueatec GAC filters utilize high quality coconut shell carbon, resin and KDF, known to be one of the most effective media for removal of organic compounds including vocs, radon, chlorine, bad taste and odor. These cartridges combine both quality and reliability at a competitive cost.

#### MATERIALS OF CONSTRUCTION

• FILTER MEDIA	GRANULAR ACTIVATED CARBON
• END CAPS	POLYPROPYLENE
• BODY	POLYETHYLENE / POLYESTER
• EXPANSION PAD	POLYPROPYLENE
• GASKET	BUNA-N
• TEMPERATURE RATING	40°F TO 125°F (4.4° C TO 51.7°C)

### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 10" MEDIA FILTER</b>				
UDF-10	10" GAC, COCONUT SHELL CARBON	20	15 X 12 X 10	27 LBS
UDF-10C100E	10" CATION SOFTENING RESIN	20	15 X 12 X 10	27 LBS
UDF-10KDF.5	10" GAC + 1/2LBS KDF	20	15 X 12 X 10	35 LBS
UDF-10KDF1	10" GAC + 1LBS KDF	20	15 X 12 X 10	45 LBS
UDF-10KDF2	10" GAC + 2LBS KDF	20	15 X 12 X 10	55 LBS
UDF-10KDF4	10" ALL 4LBS KDF	20	15 X 12 X 10	105 LBS
<b>2.5" X 20" MEDIA FILTER</b>				
UDF-20	20" GAC, COCONUT SHELL CARBON	20	15 X 12 X 21	28 LBS
UDF-20C200E	20" CATION SOFTENING RESIN	20	15 X 12 X 21	30 LBS

### 4.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>4.5" X 10" GAC FILTER</b>				
UDF-10BP	4.5" OD X 10" L GAC, COCONUT SHELL CARBON	18	14 X 14 X 21	56 LBS
<b>4.5" X 20" GAC FILTER</b>				
UDF-20BP	4.5" OD X 20" L GAC, COCONUT SHELL CARBON	9	14 X 14 X 21	48 LBS

## EC SERIES EMPTY CARTRIDGE



### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 10" REFILLABLE EMPTY CARTRIDGE</b>				
EC-2510C	2.5" OD X 10" L CLEAR	162	32 X 21 X 22	36 LBS
EC-2510W	2.5" OD X 10" L WHITE	162	32 X 21 X 22	36 LBS
<b>2.5" X 20" REFILLABLE EMPTY CARTRIDGE</b>				
EC-2520C	2.5" OD X 20" L CLEAR	81	32 X 21 X 22	29 LBS
EC-2520W	2.5" OD X 20" L WHITE	81	32 X 21 X 22	29 LBS

### 4.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>4.5" X 10" EMPTY REFILLABLE CARTRIDGE</b>				
EC-4510C	4.5" OD X 10" L CLEAR	72	32 X 21 X 22	44 LBS
EC-4510W	4.5" OD X 10" L WHITE	72	32 X 21 X 22	44 LBS
<b>4.5" X 20" EMPTY REFILLABLE CARTRIDGE</b>				
EC-4520C	4.5" OD X 20" L CLEAR	36	32 X 21 X 22	41 LBS
EC-4520W	4.5" OD X 20" L WHITE	36	32 X 21 X 22	41 LBS



## DP SERIES DELTA-PLUS CAVITY FILTER

### LIQUATEC DP SERIES DELTA-PLUS CAVITY FILTERS

Utilize our extended, patented melt-blown technology to meet market needs for a pure polypropylene depth filter with exceptional dirt holding capacity and performance. Delta-Plus cartridges are an outstanding value for industrial applications where long-life, low-pressure drop and high efficiency is required.

### LIQUATEC DP SERIES DELTA-PLUS CAVITY FILTERS

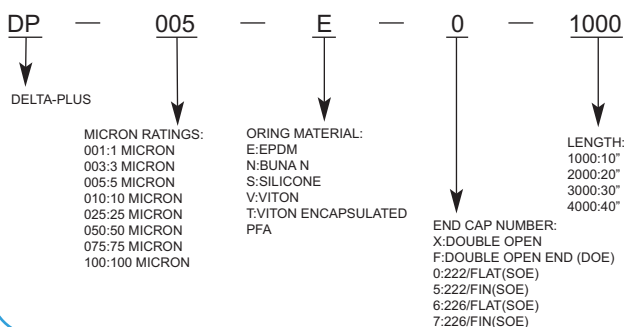
Have continuous gradient pore structure which increases dust holding capacity. The surface of the cartridge is fiber fortified to prevent the release of micro fibers down stream. Manufactured of 100% Pure Polypropylene makes them compatible for a wide range of process fluids.



### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	ORING MATERIAL	END CAP STYLE	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 9 7/8"</b>							
DP001SX1000	2.5" X 10"	1	SILICONE	DOUBLE OPEN	40	13 x 10.5 x 21	15 LBS
DP001S51000	2.5" X 10"	1	SILICONE	222/FIN	40	13 x 10.5 x 21	15 LBS
DP001SF1000	2.5" X 10"	1	SILICONE	DOE	40	13 x 10.5 x 21	15 LBS
<b>2.5" X 20"</b>							
DP001SX2000	2.5" X 20"	1	SILICONE	DOUBLE OPEN	20	13 x 10.5 x 21	15 LBS
DP001S52000	2.5" X 20"	1	SILICONE	222/FIN	20	13 x 10.5 x 21	15 LBS
DP001SF2000	2.5" X 20"	1	SILICONE	DOE	20	13 x 10.5 x 21	15 LBS
<b>2.5" X 30"</b>							
DP001SX3000	2.5" X 30"	1	SILICONE	DOUBLE OPEN	12	7.5 X 10 X 35	16 LBS
DP001S53000	2.5" X 30"	1	SILICONE	222/FIN	12	7.5 X 10 X 35	16 LBS
DP001SF3000	2.5" X 30"	1	SILICONE	DOE	12	7.5 X 10 X 35	16 LBS
<b>2.5" X 40"</b>							
DP001SX4000	2.5" X 40"	1	SILICONE	DOUBLE OPEN	12	13 X 11 X 40.5	19 LBS
DP001S54000	2.5" X 40"	1	SILICONE	222/FIN	12	13 X 11 X 40.5	19 LBS
DP001SF4000	2.5" X 40"	1	SILICONE	DOE	12	13 X 11 X 40.5	19 LBS

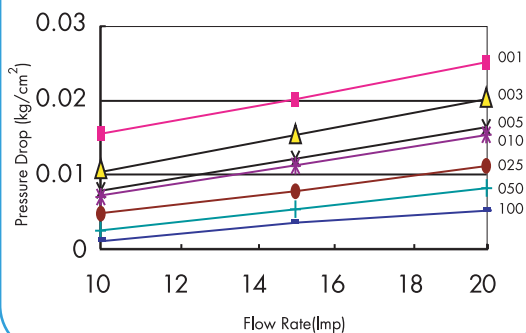
### PART NUMBER STRUCTURE



### APPLICATIONS:

- FILTRATION OF COOLING WATER SYSTEM IN SEMICONDUCTOR INDUSTRY (PCW)
- FILTRATION OF CMP SLURRIES
- PRE-FILTER OF DI WATER FILTRATION
- FILTRATION OF MEDIUM & LOW VISCOSITY FLUIDS OF CHEMICAL.
- FILTRATION OF WATER FOR MANUFACTURING PROCESS AND RECYCLED WATER.
- FILTRATION OF PAINT IN PANNEL PAINTING INDUSTRY.

### INITIAL PRESSURE DROP



### MAXIMUM OPERATING PRESSURE DROP-

100°F @ 80 PSI	37 °C @ 5.6 kg/cm <sup>2</sup>
150°F @ 60 PSI	65 °C @ 4.2 kg/cm <sup>2</sup>
180°F @ 30 PSI	82 °C @ 2.1 kg/cm <sup>2</sup>

Liquatec

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## AR SERIES POLY-RAY PLEATED FILTER



### LIQUATEC AR SERIES POLY-RAY PLEATED FILTERS

Are manufactured with melt-blown polypropylene fiber media. Our Poly-Ray pleated filter cartridges combine exceptional dirt holding capacities with higher accuracy than depth filters. The double layer of melt blown media provides absolute particle retention with longer service life than most other cartridges with similar design. Well suited for pre-filtration of membranes.

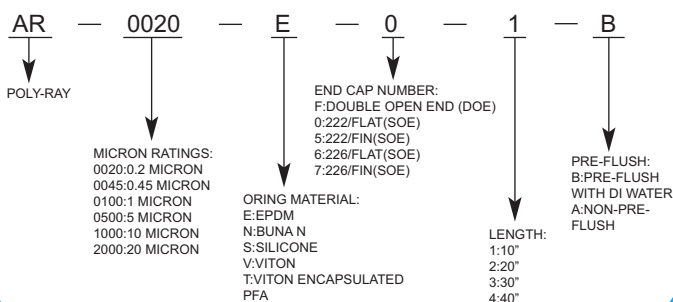
### LIQUATEC AR SERIES POLY-RAY PLEATED FILTERS

Have high flowrates with reduced pressure loss. Contains no binders, adhesives, or surfactants for a wide compatibility of solvents. Available prerinse using DI water.

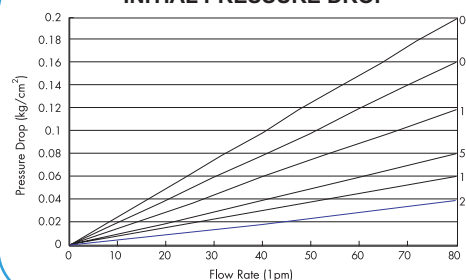
### 2.5" DIAMETER SPECIFICATION

PART NUMBER	DESCRIPTION	MICRON RATING	ORING MATERIAL	END CAP STYLE	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" X 10"</b>							
AR0020S01	2.5" X 10"	0.2	SILICONE	222/FLAT	24	22 X 14 X 15	24 LBS
AR0020S51	2.5" X 10"	0.2	SILICONE	222/FIN	24	22 X 14 X 15	24 LBS
AR0020SF1	2.5" X 10"	0.2	SILICONE	DOE	24	22 X 14 X 15	24 LBS
<b>2.5" X 20"</b>							
AR0020S02	2.5" X 20"	0.2	SILICONE	222/FLAT	12	25 X 11 X 15	23 LBS
AR0020S52	2.5" X 20"	0.2	SILICONE	222/FIN	12	25 X 11 X 15	23 LBS
AR0020SF2	2.5" X 20"	0.2	SILICONE	DOE	12	25 X 11 X 15	23 LBS
<b>2.5" X 30"</b>							
AR0020S03	2.5" X 30"	0.2	SILICONE	222/FLAT	12	35 X 14 X 12	32 LBS
AR0020S53	2.5" X 30"	0.2	SILICONE	222/FIN	12	35 X 14 X 12	32 LBS
AR0020SF3	2.5" X 30"	0.2	SILICONE	DOE	12	35 X 14 X 12	32 LBS
<b>2.5" X 40"</b>							
AR0020S04	2.5" X 40"	0.2	SILICONE	222/FLAT	6	45 X 11 X 8	20 LBS
AR0020S54	2.5" X 40"	0.2	SILICONE	222/FIN	6	45 X 11 X 8	20 LBS
AR0020SF4	2.5" X 40"	0.2	SILICONE	DOE	6	45 X 11 X 8	20 LBS

### PART NUMBER GUIDE



### INITIAL PRESSURE DROP



### MAXIMUM OPERATING PRESSURE DROP-

100°F @ 80 PSI	37°C @ 5.6 kg/cm2
150°F @ 60 PSI	65°C @ 4.2 kg/cm2
180°F @ 30 PSI	82°C @ 2.1 kg/cm2

## FILMTEC MEMBRANE

FILMTEC™ reverse osmosis membrane elements are for home drinking water. The industry's most reliable advanced membrane technology and automated fabrication, allow these elements to deliver consistent performance that equipment suppliers, water treatment dealers and residential customers can rely on.

Filmtec™ elements are shipped dry (wet available upon request) for convenient handling and longer shelf life. These elements are NSF/ANSI Standard 58 listed. Equipment suppliers can take advantage of Film Tec's Standard 58 listing and participation in the NSF Data Transfer Protocol to reduce costs for reduction claims for their systems.



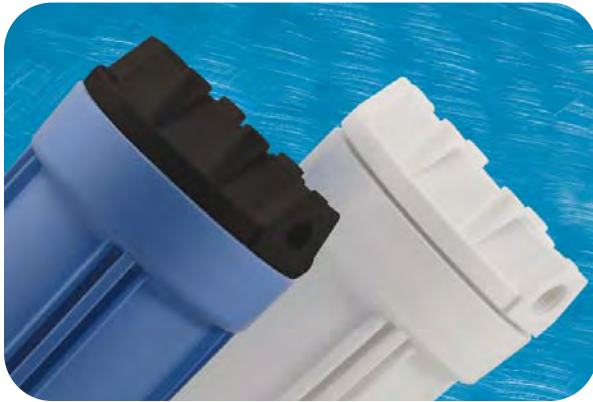
TW SPECIFICATION				
PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>FILMTEC TFC MEMBRANES</b>				
TW30-1812-24D	TFC 24 GPD MEMBRANE DRY	25	14 1/4 X 14 X 14	14 LBS
TW30-1812-24W	TFC 24 GPD MEMBRANE WET	25	14 1/4 X 14 X 14	19 LBS
TW30-1812-36D	TFC 36 GPD MEMBRANE DRY	25	14 1/4 X 14 X 14	14 LBS
TW30-1812-36W	TFC 36 GPD MEMBRANE WET	25	14 1/4 X 14 X 14	19 LBS
TW30-1812-50D	TFC 50 GPD MEMBRANE DRY	25	14 1/4 X 14 X 14	15 LBS
TW30-1812-50W	TFC 50 GPD MEMBRANE WET	25	14 1/4 X 14 X 14	20 LBS
TW30-1812-75D	TFC 75 GPD MEMBRANE DRY	25	14 1/4 X 14 X 14	15 LBS
TW30-1812-75W	TFC 75 GPD MEMBRANE WET	25	14 1/4 X 14 X 14	20 LBS
TW30-1812-100D	TFC 100 GPD MEMBRANE DRY	25	14 1/4 X 14 X 14	14 LBS
TW30-2521	TFC 300 GPD 2.5" X 21" MEMBRANE	1	SIZE VARIES	1 LBS
TW30-2540	TFC 750 GPD 2.5" X 40" MEMBRANE	1	SIZE VARIES	2 LBS
TW30-4021	TFC 900 GPD 4" X 21" MEMBRANE	1	SIZE VARIES	3 LBS
TW30-4040	TFC 2200 GPD 4" X 40" MEMBRANE	1	SIZE VARIES	6 LBS
XLE-2521	TFC 330 GPD 2.5" X 21" LOW ENERGY	1	SIZE VARIES	1 LBS
XLE-2540	TFC 770 GPD 2.5" X 40" LOW ENERGY	1	SIZE VARIES	2 LBS
XLE-4021	TFC 1000 GPD 4" X 21" LOW ENERGY	1	SIZE VARIES	3 LBS
XLE-4040D	TFC 2400 GPD 4" X 40" LOW ENERGY	1	SIZE VARIES	5 LBS
XLE-4040W	TFC 2400 GPD 4" X 40" LOW ENERGY WET	1	SIZE VARIES	5 LBS



BW SPECIFICATION				
PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
BW30-4040	BRACKISH WATER 4" X 40" MEMBRANE	1	SIZE VARIES	7 LBS
BW30-400	BRACKISH WATER 8" 400 SQ FT	1	SIZE VARIES	27 LBS
BW30-LE-440	BRACKISH WATER 8" 440 SQ FT	1	SIZE VARIES	28 LBS



## FH08 SERIES SLIM RIB CAP FILTER HOUSING



### LIQUATEC FH08 SERIES SLIM RIB CAP FILTER HOUSINGS

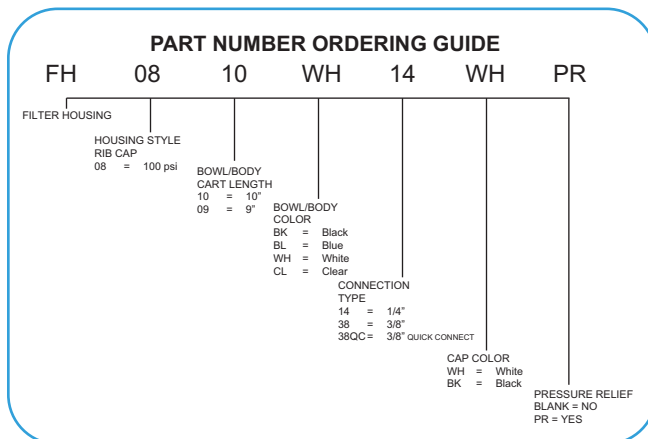
Are manufactured of reinforced polypropylene, Clear, FDA approved Styrene-Acrylonitrile or Lexan material for 2.5" diameter cartridges.

### LIQUATEC FH08 SERIES SLIM RIB CAP FILTER HOUSINGS

Fits most of 9 7/8" and 10" length cartridges. Caps are available in 1/4" and 3/8" Female NPT ports. Optional 3/8" quick connect ports and pressure relief button are available. These housings can be used in applications such as pre and post filtration for Reverse Osmosis systems, undersink filtration countertop systems, food service, ice machines and many more.

### FH08 SERIES SLIM FILTER HOUSINGS

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>9" X 1/4"</b>				
FH0809WH14WH	9" WHITE BODY, 1/4" WHITE RIB CAP	12	13 X 15 X 20	23 LBS
FH0809CL14WH	9" CLEAR BODY, 1/4" WHITE RIB CAP	12	13 X 15 X 20	27 LBS
<b>10" X 1/4"</b>				
FH0810WH14WH	10" WHITE BODY, 1/4" WHITE RIB CAP	12	13 X 15 X 20	23 LBS
FH0810WH14WHPR	10" WHITE BODY, 1/4" WHITE RIB CAP W/PR	12	13 X 15 X 20	23 LBS
FH0810BL14BK	10" BLUE BODY, 1/4" BLACK RIB CAP	12	13 X 15 X 20	23 LBS
FH0810CL14WH	10" CLEAR BODY, 1/4" WHITE RIB CAP	12	13 X 15 X 20	27 LBS
FH0810CL14WHPR	10" CLEAR BODY, 1/4" WHITE RIB CAP W/PR	12	13 X 15 X 20	27 LBS
<b>10" X 3/8"</b>				
FH0810WH38WH	10" WHITE BODY, 3/8" WHITE RIB CAP	12	13 X 15 X 20	23 LBS
FH0810WH38WHPR	10" WHITE BODY, 3/8" WHITE RIB CAP W/PR	12	13 X 15 X 20	23 LBS
FH0810BL38BK	10" BLUE BODY, 3/8" BLACK RIB CAP	12	13 X 15 X 20	23 LBS
FH0810CL38WH	10" CLEAR BODY, 3/8" WHITE RIB CAP	12	13 X 15 X 20	27 LBS
FH0810CL38WHPR	10" CLEAR BODY, 3/8" WHITE RIB CAP	12	13 X 15 X 20	27 LBS
	W/PRESSURE RELIEF BUTTON			
<b>10" X 3/8" QC</b>				
FH0810WH38QCWH	10" WHITE BODY, 3/8" WHITE RIB CAP	12	13 X 15 X 20	23 LBS
	W/QUICK CONNECT			
FH0810CL38QCWH	10" CLEAR BODY, 3/8" WHITE RIB CAP	12	13 X 15 X 20	27 LBS
	W/QUICK CONNECT			
<b>ORING</b>				
FH08/09-ORING	LIQUATEC O-RING FOR FH08/09 HOUSING	50	BAG	5 LBS



### APPLICATIONS

- Reverse Osmosis
- Residential Plumbing
- Photography
- Beverage
- Ice maker
- Misting Units



### MATERIALS OF CONSTRUCTION

- HOUSING POLYPROPYLENE, SAN & LEXAN
- CAP POLYPROPYLENE
- O-RING EPDM
- MAXIMUM TEMPERATURE 125°F (51.7°C)
- MAXIMUM PRESSURE 100 PSI (7 BAR)

## FH09 SERIES SLIM FLAT CAP FILTER HOUSING

### LIQUATEC FH09 SERIES SLIM FLAT CAP FILTER HOUSINGS

Are manufactured of reinforced polypropylene, Clear, FDA approved Styrene-Acrylonitrile or Lexan material for 2.5" diameter cartridges. Most 9 7/8" and 10" length cartridges fit easily. Caps are available in 1/4", 3/8" and 1/2" Female NPT ports. These housings can be used in applications such as pre and post filtration for Reverse Osmosis systems, undersink filtration, countertop systems, food service, ice machines and many more.

### LIQUATEC FH09 SERIES SLIM FILTER FLAT CAP HOUSINGS

Are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements only.

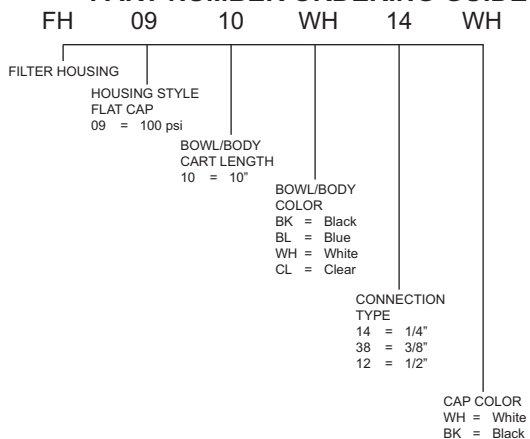
Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



## SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>1/4"</b>				
FH0910WH14WH	10" WHITE BODY, 1/4" WHITE FLAT CAP	12	13 X 15 X 20	24 LBS
FH0910BL14BK	10" BLUE BODY, 1/4" BLACK FLAT CAP	12	13 X 15 X 20	24 LBS
FH0910BK14BK	10" BLACK BODY, 1/4" BLACK FLAT CAP	12	13 X 15 X 20	24 LBS
FH0910CL14WH	10" CLEAR BODY, 1/4" WHITE FLAT CAP	12	13 X 15 X 20	28 LBS
<b>3/8"</b>				
FH0910WH38WH	10" WHITE BODY, 3/8" WHITE FLAT CAP	12	13 X 15 X 20	24 LBS
FH0910BL38BK	10" BLUE BODY, 3/8" BLACK FLAT CAP	12	13 X 15 X 20	24 LBS
FH0910BK38BK	10" BLACK BODY, 3/8" BLACK FLAT CAP	12	13 X 15 X 20	24 LBS
FH0910CL38WH	10" CLEAR BODY, 3/8" WHITE FLAT CAP	12	13 X 15 X 20	28 LBS
FH0910CL38BK	10" CLEAR BODY, 3/8" BLACK FLAT CAP	12	13 X 15 X 20	28 LBS
<b>1/2"</b>				
FH0910WH12WH	10" WHITE BODY, 1/2" WHITE FLAT CAP	12	13 X 15 X 20	25 LBS
FH0910BL12BK	10" BLUE BODY, 1/2" BLACK FLAT CAP	12	13 X 15 X 20	25 LBS
FH0910BK12BK	10" BLACK BODY, 1/2" BLACK FLAT CAP	12	13 X 15 X 20	25 LBS
FH0910CL12WH	10" CLEAR BODY, 1/2" WHITE FLAT CAP	12	13 X 15 X 20	29 LBS
FH0910CL12BK	10" CLEAR BODY, 1/2" BLACK FLAT CAP	12	13 X 15 X 20	29 LBS
<b>ORING</b>				
FH08/09-ORING	LIQUATEC O-RING FOR FH08/09 HOUSING	50	BAG	5 LBS

### PART NUMBER ORDERING GUIDE



### APPLICATIONS

- Reverse Osmosis
- Residential Plumbing
- Photography
- Beverage
- Ice maker
- Misting Units



### MATERIALS OF CONSTRUCTION

- HOUSING POLYPROPYLENE, SAN & LEXAN
- CAP POLYPROPYLENE
- O-RING BUNA-N
- MAXIMUM TEMPERATURE 125°F (51.7°C)
- MAXIMUM PRESSURE 100 PSI (7 BAR)

Liquatec

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www.Liquatec.com



## FH04 SERIES COMMERCIAL FILTER HOUSING



### LIQUATEC FH04 SERIES COMMERCIAL FILTER HOUSINGS

Are manufactured of reinforced polypropylene. Most 9-7/8", 10" and 20" length cartridges fit easily. Our commercial grade products have excellent chemical resistance and are ideal for many residential plumbing, commercial and light industrial applications. Our superior technology along with our quality control measures in place allow for a cost effective solution for many of your filtration needs. As an economical product this will allow your customers to maximize their profits with out jeopardizing quality.

### LIQUATEC FH04 SERIES COMMERCIAL FILTER HOUSINGS

Are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements only.

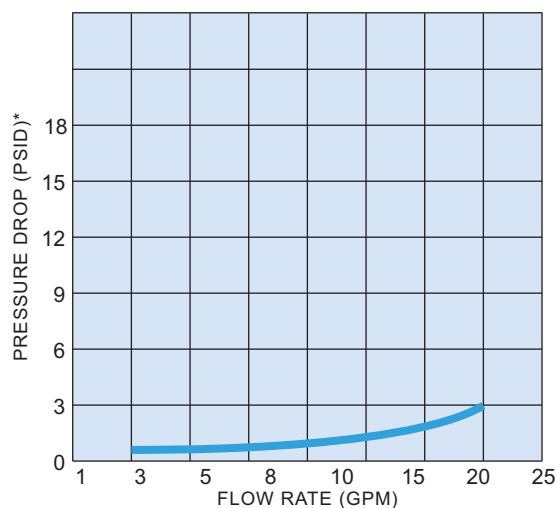
Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>10"</b>				
FH0410BL34BK	10" BLUE BODY, 3/4" BLACK RIB CAP	12	17 X 22 X 13	38 LBS
FH0410BL34BKPR	10" BLUE BODY, 3/4" BLACK RIB CAP W/PR	12	17 X 22 X 13	38 LBS
<b>20"</b>				
FH0420BL34BK	20" BLUE BODY, 3/4" BLACK RIB CAP	8	12 X 22 X 24	39 LBS
FH0420BL34BKPR	20" BLUE BODY, 3/4" BLACK RIB CAP W/PR	8	12 X 22 X 24	39 LBS
FH0420WH34WH	20" WHITE BODY, 3/4" WHITE RIB CAP	8	12 X 22 X 24	39 LBS
<b>ORING</b>				
FH04-ORING	LIQUATEC ORING FOR FH04 HOUSING	50	BAG	5 LBS

FH04 SERIES COMMERCIAL FILTER HOUSINGS



### APPLICATIONS

- Reverse Osmosis
- Residential Plumbing
- Photography
- Commercial Prefiltration
- Beverage
- Ice maker
- Misting Units
- Food Processing
- Analytical
- Wineries



### MATERIALS OF CONSTRUCTION

- |                       |   |
|-----------------------|---|
| • HOUSING             | POLYPROPYLENE                           |
| • CAP                 | POLYPROPYLENE                           |
| • BUTTON ASSEMBLY     | STAINLESS STEEL, EPDM AND POLYPROPYLENE |
| • O-RING              | BUNA-N                                  |
| • MAXIMUM TEMPERATURE | 125°F (51.7°C)                          |
| • MAXIMUM PRESSURE    | 125 PSI (8.62 BAR)                      |

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

\*PRESSURE RELIEF BUTTONS AVAILABLE

## FH44 SERIES “GRANDE” FILTER HOUSING

### LIQUATEC FH44 SERIES “GRANDE” FILTER HOUSINGS

Are manufactured of reinforced polypropylene. Most 9-7/8", 10" and 20" length cartridges fit easily. Our commercial grade products have excellent chemical resistance and are ideal for many residential plumbing, commercial and light industrial applications. Our superior technology along with our quality control measures in place allow for a cost effective solution for many of your filtration needs. As an economical product this will allow your customers to maximize their profits without jeopardizing quality.

### LIQUATEC FH44 SERIES “GRANDE” FILTER HOUSINGS

Are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements only. These are an excellent substitute for expensive low pressure stainless steel multicartridge housings. Many cartridge styles available such as Carbon Block, GAC, Pleated and Multi-Depth Polypropylene.

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

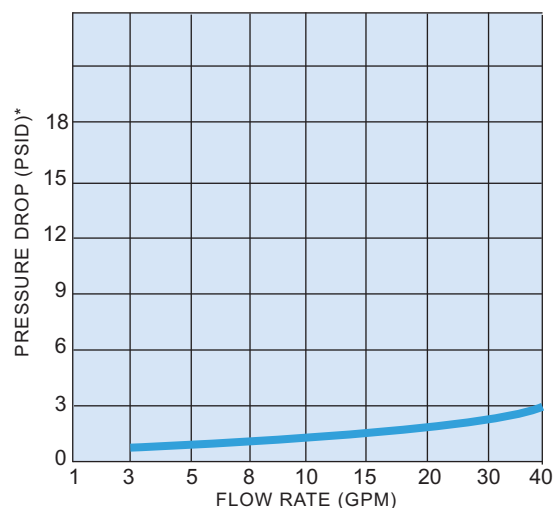


U.S. PATENT NO.7435346B2

### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>3/4" PORT</b>				
FH4410BL34BK	"GRANDE" 10" BLUE 4.5" BODY, 3/4" BLACK CAP	6	16 X 23 X 14	25 LBS
FH4410BL34BKPR	"GRANDE" 10" BLUE 4.5" BODY, 3/4" BLACK CAP W/PR	6	16 X 23 X 14	25 LBS
FH4420BL34BK	"GRANDE" 20" BLUE 4.5" BODY, 3/4" BLACK CAP	4	16 X 16 X 26	36 LBS
FH4420BL34BKPR	"GRANDE" 20" BLUE 4.5" BODY, 3/4" BLACK CAP W/PR	4	16 X 16 X 26	36 LBS
<b>1" PORT</b>				
FH4410BL10BK	"GRANDE" 10" BLUE 4.5" BODY, 1" BLACK CAP	6	16 X 23 X 14	25 LBS
FH4410BL10BKPR	"GRANDE" 10" BLUE 4.5" BODY, 1" BLACK CAP W/PR	6	16 X 23 X 14	25 LBS
FH4410WH10WH	"GRANDE" 10" WHITE 4.5" BODY, 1" WHITE CAP	6	16 X 23 X 14	25 LBS
FH4420BL10BK	"GRANDE" 20" BLUE 4.5" BODY, 1" BLACK CAP	4	16 X 16 X 26	36 LBS
FH4420BL10BKPR	"GRANDE" 20" BLUE 4.5" BODY, 1" BLACK CAP W/PR	4	16 X 16 X 26	36 LBS
FH4420WH10WH	"GRANDE" 20" WHITE 4.5" BODY, 1" WHITE CAP	4	16 X 16 X 26	36 LBS
<b>1.5" PORT</b>				
FH4410BL15BK	"GRANDE" 10" BLUE 4.5" BODY, 1.5" BLACK CAP	6	16 X 23 X 14	25 LBS
FH4410BL15BKPR	"GRANDE" 10" BLUE 4.5" BODY, 1.5" BLACK CAP W/PR	6	16 X 23 X 14	25 LBS
FH4420BL15BK	"GRANDE" 20" BLUE 4.5" BODY, 1.5" BLACK CAP	4	16 X 16 X 26	36 LBS
FH4420BL15BKPR	"GRANDE" 20" BLUE 4.5" BODY, 1.5" BLACK CAP W/PR	4	16 X 16 X 26	36 LBS
<b>ORING</b>				
FH44-ORING	LIQUATEC ORING FOR FH44 "GRANDE" HOUSING	50	BAG	5 LBS

FH04 SERIES FILTER HOUSINGS



#### MATERIALS OF CONSTRUCTION

- HOUSING: POLYPROPYLENE
- CAP: POLYPROPYLENE
- BUTTON ASSEMBLY: STAINLESS STEEL, EPDM AND POLYPROPYLENE
- O-RING: BUNA-N
- MAXIMUM TEMPERATURE: 100°F (37.7°C)
- MAXIMUM PRESSURE: 100 PSI (6.90 BAR)



#### APPLICATIONS

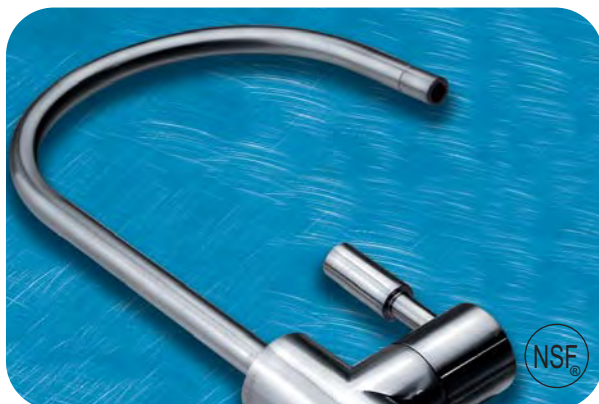
- WHOLE HOUSE FILTRATION
- REVERSE OSMOSIS
- RESIDENTIAL PLUMBING
- PHOTOGRAPHY
- COMMERCIAL PREFILTRATION
- BEVERAGE
- ICEMAKER
- MISTING UNITS
- WINERIES
- DRIP IRRIGATION
- PLATING
- MILLING MACHINES
- GREEN HOUSES
- ANALYTICAL
- FOOD PROCESSING

Liquatec

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www.Liquatec.com



## FCT SERIES FAUCET



### LIQUATEC FCT SERIES FAUCETS

Simply no better faucet available! With Liquatec's complete line of faucets, there is no need to search from distributor to distributor for the right faucet for your application. We have simple styles from goose neck, long reach, tall spout and standard to designer like our, EC32 and EC25 Elegant Ceramic Faucets.

Many colors are standard such as Chrome, Red, Black, White, Ivory and Gray with new colors for the designer in mind such as Satin Nickel, Brush Nickel, Antique Wine and Antique Brass. With all the new kitchen styles today it is hard to keep up, please contact your local distributor for the color of your choice and we will see what we can do.

Certified to NSF/ANSI  
Standard 61 Section 9



### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>LONG REACH FAUCET</b>				
FCT-LRSTND	LOW LEAD LR 3" SHANK, CHROME PLATED	50	20 X 15 X 13	42 LBS
FCT-LRAG	LOW LEAD LR AIR GAP 3" SHANK, CHROME PLATED	50	20 X 15 X 13	44 LBS
<b>GOOSE NECK FAUCET</b>				
FCT-GN	LOW LEAD GOOSE NECK 3" SHANK, CROME PLATED	40	23 X 15 X 14	32 LBS
FCT-GN-BN	LOW LEAD GOOSE NECK 3" SHANK, BRUSH NICKLE	40	23 X 15 X 14	32 LBS
<b>LONG REACH BRUSH NICKEL FAUCET</b>				
FCT-LR-BN	LOW LEAD LR 3" SHANK, BRUSH NICKLE	50	20 X 15 X 13	42 LBS
FCT-LRAG-BN	LOW LEAD LR AIR GAP 3" SHANK, BRUSH NICKLE	50	20 X 15 X 13	45 LBS
<b>COLOR FAUCET</b>				
FCT-LR-B	LOW LEAD LR 3" SHANK, BLACK	50	20 X 15 X 13	42 LBS
FCT-LR-G	LOW LEAD LR 3" SHANK, GRAY	50	20 X 15 X 13	42 LBS
FCT-LR-I	LOW LEAD LR 3" SHANK, IVORY	50	20 X 15 X 13	42 LBS
FCT-LR-R	LOW LEAD LR 3" SHANK, RED	50	20 X 15 X 13	42 LBS
FCT-LR-W	LOW LEAD LR 3" SHANK, WHITE	50	20 X 15 X 13	42 LBS
<b>CERAMIC FAUCET</b>				
FCT-EC32-CP	EC32 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, CHROME PLATED	30	28 X 13 X 15	39 LBS
FCT-EC32-BN	EC32 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, BRUSH NICKLE	30	28 X 13 X 15	39 LBS
FCT-EC25-CP	EC25 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, CHROME PLATED	20	26 X 9 X 15	42 LBS
FCT-EC25-AB	EC25 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, ANTIQUE BRASS	20	26 X 9 X 15	42 LBS
FCT-EC25-AW	EC25 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, ANTIQUE WINE	20	26 X 9 X 15	42 LBS
FCT-EC25-BN	EC25 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, BRUSH NICKLE	20	26 X 9 X 15	44 LBS
FCT-EC25-SN	EC25 ELEGANT CERAMIC FAUCET LOW LEAD 3" SHANK, SATIN NICKLE	20	26 X 9 X 15	44 LBS
<b>ACCESSORIES</b>				
FCT-FRK14	FAUCET REPAIR KIT	100	10 1/2 X 12 X 8	11 LBS

## FCT SERIES FAUCET

### LONG REACH FAUCET



### LONG REACH BRUSH NICKLE FAUCET



### GOOSE NECK FAUCET



### COLOR FAUCET



### EC32 ELEGANT CERAMIC FAUCET



### EC25 ELEGANT CERAMIC FAUCET





## MH09 SERIES MEMBRANE HOUSING



### LIQUATEC MH09 SERIES MEMBRANE HOUSINGS

Are manufactured with high-quality NSF approved material. This housing will accommodate most standard membrane elements. Our superiorly designed housing utilizes a FLAT GASKET and an o-ring to ensure a True Double o-ring seal, whereas most other membrane housings lacking one o-ring will leak. Our thicker body and stronger membrane cup design eliminates the possibility of cracking while inserting the membrane into the housing. By this you do not have to worry about the bypass of Brine water to the Permeate side which is quite common on most other housings manufactured today. Standard 1/8" basic thread port. White and Black housings are standard.

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

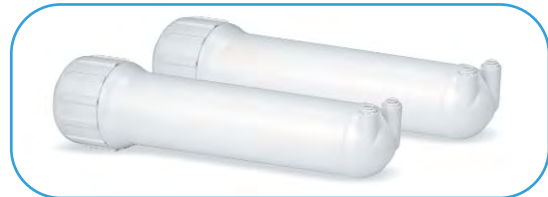


### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>MH SERIES 1812 MEMBRANE HOUSINGS</b>				
MH09-1812WH	1.8" X 12" MEMBRANE HOUSING WHITE	24	17 X 13 X 14	26 LBS
MH09-1812BK	1.8" X 12" MEMBRANE HOUSING BLACK	24	17 X 13 X 14	26 LBS
MH09-GSKT	GASKET FOR MH09 HOUSING	100	SIZE VARIES	2 LBS
MH09-ORING	ORING FOR MH09 HOUSING	100	SIZE VARIES	2 LBS

### MATERIALS OF CONSTRUCTION

- HOUSING POLYPROPYLENE
- CAP POLYPROPYLENE
- O-RING EPDM
- MAXIMUM TEMPERATURE 125°F (51.7°C)
- MAXIMUM PRESSURE 100 PSI (7 BAR)



## ASOV SERIES AUTOMATIC SHUTOFF VALVE

### LIQUATEC ASOV SERIES AUTOMATIC SHUTOFF VALVES

Have been tested and certified by NSF International under NSF/ANSI Standard 58. NSF/ANSI requirements include; 400 psi Burst Pressure testing, 300 psi Hydrostatic Pressure testing, 100,000 cycle Cycling to simulate 10 years of use. In addition to these certification requirements, the ASOV undergoes 100% leak testing at 150 psi as part of our manufacturing quality control standards.

Tested and Certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT/BOX
<b>AUTOMATIC SHUTOFF VALVE</b>				
ASOV-14CW	AUTO SHUTOFF VALVE 1/4" COMP, WHITE	100	14 X 8 X 8	13.00 LBS
ASOV-14CB	AUTO SHUTOFF VALVE 1/4" COMP, BLACK	100	14 X 8 X 8	13.00 LBS
ASOV-14QW	AUTO SHUTOFF VALVE 1/4" QUICK CONNECT, WHITE	100	14 X 8 X 8	12.80 LBS
ASOV-14QB	AUTO SHUTOFF VALVE 1/4" QUICK CONNECT, BLACK	100	14 X 8 X 8	12.80 LBS

FEED WATER / TANK  
BACK PRESSURE  
TESTING

FEED WATER PRESSURE (psi)	RO WATER PRESSURE (psi)	
	SYSTEM OFF	SYSTEM ON
30	22	12
40	28	14
50	34	16
60	40	19
70	45	22
80	50	24
90	56	30

AT 60 psi FEED WATER  
PRESSURE RO SYSTEM  
WILL TURN OFF AT 40 psi.  
(Accuracy +/- 20%)

### SPECIFICATIONS

OPERATING PRESSURE: 30-100 PSI  
OPERATING TEMPERATURE: 120° DEGREES  
F (50° DEGREES C)

### NSF STANDARD 58 CERTIFIED

#### STRUCTURAL TESTING

- 300 PSI HYDROSTATIC PRESSURE TESTING
- 400 PSI BURST PRESSURE TESTING
- 100,000 CYCLE TESTING FROM 0-150 PSI

#### PERFORMANCE TESTING

- 20,000 CYCLE TESTING TO SIMULATE 10 YEARS OF USE.

## STORAGE TANKS

### STORAGE TANKS

Are NSF approved under standard 58, and CE approved under the PED (Pressure Equipment Directive). Through these approvals our tanks carry the appropriate markings and can be used anywhere in the world.

### STORAGE TANKS

Use stainless steel connections to avoid lead leaching concerns.

#### FEATURES:

- STAINLESS STEEL CONNECTOR, SIDE MOUNTED AIR VALVE
- MAXIMUM WORKING PRESSURE 100 PSI
- ALL TANKS ARE PRE-CHARGED
- TANK STAND INCLUDED
- NSF 58 LISTED



STORAGE TANKS				
PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.2 GALLON TANK</b>				
RO-120-W14	2.2 GALLON WHITE TANK 1/4" S.S.	1	8.5 x 8.5 x 12	4 LBS
<b>3.2 GALLON TANK</b>				
RO-122-W14	3.2 GALLON WHITE TANK 1/4" S.S.	1	10 X 10 X 15	5 LBS
RO-122-W12	3.2 GALLON WHITE TANK 1/2" S.S.	1	10 X 10 X 15	5 LBS
<b>4.5 GALLON TANK</b>				
RO-132-W14	4.5 GALLON WHITE TANK 1/4" S.S.	1	11 X 11 X 15	9 LBS
RO-132-B14	4.5 GALLON BLUE TANK 1/4" S.S.	1	11 X 11 X 15	9 LBS
RO-132-BLK14	4.5 GALLON BLACK TANK 1/4" S.S.	1	11 X 11 X 15	9 LBS
<b>14 GALLON</b>				
RO-1070-B14	14 GALLON BLUE TANK 1/4" S.S.	1	16 X 16 X 24	27 LBS
RO-1070-B34	14 GALLON BLUE TANK 3/4" S.S.	1	16 X 16 X 24	27 LBS
RO-1070-W14	14 GALLON WHITE TANK 1/4" S.S.	1	16 X 16 X 24	27 LBS
RO-1070-W34	14 GALLON WHITE TANK 3/4" S.S.	1	16 X 16 X 24	27 LBS
<b>20 GALLON TANK</b>				
RO-2000-B34	20 GALLON BLUE TANK 3/4" S.S.	1	16 X 16 X 32	35 LBS
<b>STRUCTURAL ROMATE TANKS</b>				
ROMATE 20	20 GALLON TANK 1" MNPT	1	17 X 17 X 34	21 LBS
ROMATE 40	40 GALLON TANK 1" MNPT	1	17 X 17 X 58	35 LBS
ROMATE 80	80 GALLON TANK 1-1/4" MNPT	1	25 X 25 X 56	80 LBS



RO-120, RO-122 AND RO-132



RO-1070 AND RO-2000



ROMATE

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## FM SERIES BRACKET



FM-10S



FM-10W



FM-20W



FM-25W



FM-30W



FM-40W



FM-50W



FM-60W



FM-70W



FM-04-2  
FM-04-3



FM-44-2  
FM-44-3



FM-44-3STND  
FM-44-2STND

\*DIY

## LIQUATEC BRACKETS

Are made from white powder coated, cold rolled steel. Available for slim FH08, FH09, commercial FH04, and "GRANDE" FH44 filter housings.

## SPECIFICATION

PART NUMBER	DESCRIPTION	HOUSING TO USE	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
FM-10S	BRACKET ANODIZED 2.05" W X 3.30" D X 1.55"H	FH08, FH09	250	11 X 11 X 4	40 LBS
	SINGLE SLIM HOUSING				
FM-10W	BRACKET WHITE 2.95" W X 3.30" D X 1.55"H	FH08, FH09	250	11 X 11 X 4	40 LBS
	SINGLE SLIM HOUSING				
FM-20W	BRACKET WHITE 2.95" W X 4.50" D X 2.30" H	FH04	100	11 X 11 X 4	39 LBS
	SINGLE COMMERCIAL HOUSING				
FM-25W	BRACKET WHITE 4.50" W X 6.90" D X 5.15" H	FH44	20	9 X 9 X 6	34 LBS
	SINGLE 4.5" GRANDE HOUSING				
FM-30W	BRACKET WHITE 9.25" W X 5.25" D X 2.30" H	FH08, FH09	30	9 X 11 X 8	40 LBS
	DOUBLE HOUSING, BEND DOWN				
FM-40W	BRACKET WHITE 9.25" W X 5.75" D X 2.30" H	FH08, FH09	30	13 X 17 X 10	40 LBS
	DOUBLE HOUSING, BEND UP				
FM-50W	BRACKET WHITE 14" W X 5.25" D X 2.3" H	FH08, FH09	20	8 X 15 X 5	41 LBS
	TRIPLE HOUSING, BEND DOWN				
FM-60W	BRACKET WHITE 14" W X 5.75" D X 2.3" H	FH08, FH09	20	12 X 15 X 14	41 LBS
	TRIPLE HOUSING, BEND UP				
FM-70W	BRACKET WHITE 13" W X 6.4" D X 3.25" H	FH08, FH09	15	15 X 24 X 8	40 LBS
	TRIPLE HOUSING, BEND UP, PUMP MOUNT				
FM-04-2	FH04 BRACKET WHITE, DOUBLE, BEND DOWN	FH04	15	14 x 10 x 6	49 LBS
FM-04-3	FH04 BRACKET WHITE, TRIPLE, BEND DOWN	FH04	10	19 x 10 x 6	46 LBS
FM-44-2	FH44 BRACKET WHITE, DOUBLE, BEND DOWN	FH44	10	14 x 10 x 7	49 LBS
FM-44-3	FH44 BRACKET WHITE, TRIPLE, BEND DOWN	FH44	5	24 x 10 x 6	47 LBS
FM-44-2STND	FH44 BRACKET WHITE, DOUBLE, STAND (DIY)	FH44	2	18 X 27 X 5	28 LBS
FM-44-3STND	FH44 BRACKET WHITE, TRIPLE, STAND (DIY)	FH44	2	28 X 25 X 5	38 LBS

\* ALSO AVAILABLE IN S.S. & ALUMINUM MATERIAL UPON SPECIAL REQUEST.

\* SPECIAL HOLE PATTERN AND CONFIGURATION AVAILABLE FOR QUOTATION.

\* FM-44-25STND AND FM-44-35STND SHIP BY UNASSEMBLED. DIY DO IT YOURSELF.

## COMPONENTS

### FR SERIES FLOW RESTRICTOR



#### FLOW RESTRICTOR

PART NUMBER	DESCRIPTION	MEMBRANE TO USE	BOX QTY	WEIGHT
FR-250QC	LIQUATEC FLOW RESTRICTOR 250 ml/min	24 GPD	200	14 LBS
FR-375QC	LIQUATEC FLOW RESTRICTOR 375 ml/min	36 GPD	200	14 LBS
FR-500QC	LIQUATEC FLOW RESTRICTOR 500 ml/min	50 GPD	200	14 LBS
FR-720QC	LIQUATEC FLOW RESTRICTOR 720 ml/min	75 GPD	200	14 LBS

\*10% ACCURACY

### PM SERIES TSD METER



#### TDS METER

PART NUMBER	DESCRIPTION	BOX QTY	WEIGHT
PM-3000	LIQUATEC WATER PROBE TDS POCKET METER 0-2999 PPM	50	9 LBS



#### CLIP

PART NUMBER	DESCRIPTION	BOX QTY
CLP-20W	INLINE MOUNTING CLIP 2" WHITE	500
CLP-25W	MEMBRANE HOUSING CLIP 2.5" WHITE	500
CLP-25B	MEMBRANE HOUSING CLIP 2.5" BLACK	500
CLP-2520W	DOUBLE CLIP 2.5" X 2" WHITE	500
CLP-2525W	DOUBLE CLIP 2.5" X 2.5" WHITE	500
CLP-ASVW	CLIP FOR AUTO SHUTOFF VALVE WHITE	500



#### DRAIN SADDLE

PART NUMBER	DESCRIPTION	BOX QTY
DS-14MC	DRAIN SADDLE 1/4" MALE COMP BLACK	300
DS-38MC	DRAIN SADDLE 3/8" MALE COMP BLACK	200
DS-14QC	DRAIN SADDLE 1/4" QUICK CONNECT BLACK	300
DS-38QC	DRAIN SADDLE 3/8" QUICK CONNECT BLACK	300



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## COMPONENTS



### FILTER WRENCH

PART NUMBER	DESCRIPTION	BOX QTY
FW-1	FILTER WRENCH FITS FH08, FH09 SLIM FILTER HOUSING	200
FW-2	FILTER WRENCH FITS FH04 COMMERCIAL FILTER HOUSING	150
FW-3	FILTER WRENCH FITS FH44 GRANDE 4.5 FILTER HOUSING	100



WNV-1  
WNV-2

### FEED WATER VALVE

PART NUMBER	DESCRIPTION	BOX QTY
WNV-1	ADAPTER 1/2" F X 1/2" M X 1/8" F	300
WNV-2	ADAPTER 1/2" F X 1/2" M X 1/4" F	300
BV-1814-MC	BRASS BALL VALVE STRAIGHT 1/8" MPT X 1/4" COMP	400
BV-1414-MC	BRASS BALL VALVE STRAIGHT 1/4" MPT X 1/4" COMP	500
ANV-1814	ANGLE NEEDLE VALVE 1/8" MPT X 1/4" COMP	500
ANV-1414	ANGLE NEEDLE VALVE 1/4" MPT X 1/4" COMP	500
SV-3-14	SADDLE VALVE SELF PIERCING 1/4"	200
SV-6	"C" STYLE ALUMINUM CLAMP SELF PIERCING 1/4"	200
SV-11	"C" STYLE ALUMINUM CLAMP SELF PIERCING 3/8"	25



BV-1814-MC  
BV-1414-MC



ANV-1814  
ANV-1414



SV-3-14



SV-6 / SV-11



PMP-50GPD110V  
PMP-50GPD220V

### BOOSTER PUMP

PARTNUMBER	DESCRIPTION	BOX QTY
PMP-50GPD110V	BOOSTER PUMP 50GPD, 110V/60HZ W/TRANSFORMER	12
PMP-50GPD220V	BOOSTER PUMP 50GPD, 220V/50HZ W/TRANSFORMER	12
PMP-TR110V	TRANSFORMER 110V/24V FOR PMP-50GPD	12
PMP-TR220V	TRANSFORMER 220V/24V FOR PMP-50GPD	12



PMP-LPS-14

### PRESSURE SWITCH

PART NUMBER	DESCRIPTION	BOX QTY
PMP-LPS14	LOW PRESSURE SWITCH 1/4", FEMALE NPT	200
PMP-TSO14	TANK SHUT OFF SWITCH 1/4", COMP	50
PMP-TSO14F	TANK SHUT OFF SWITCH 1/4", FEMALE NPT	50



PMP-TSO14



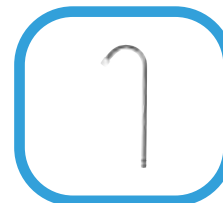
PMP-TSO14F

## COMPONENTS

### COUNTERTOP COMPONENTS

#### SPOUT TALL

PART NUMBER	DESCRIPTION	BOX QTY
CS-8-0-WH	SPOUT TALL 8" WHITE TIP	100



#### ELBOW

PART NUMBER	DESCRIPTION	BOX QTY
CNTP-C-22CQ	1/4" COMP.ELBOW	1000



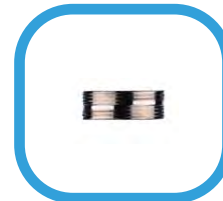
#### ELBOW SPOUT

PARTNUMBER	DESCRIPTION	BOX QTY
CNTP-C-21-2	ELBOW SPOUT	100



#### FAUCET ADAPTER

PART NUMBER	DESCRIPTION	BOX QTY
CNTP-FA-1316	13/16" MALE-MALE ADAPTOR	100



#### HOSE ADAPTER

PART NUMBER	DESCRIPTION	BOX QTY
CNTP-HOSEADAP	HOSE ADAPTER	100



#### DIVERTER VALVE

PART NUMBER	DESCRIPTION	BOX QTY
CNTP-DV-14C	1/4" DIVERTER VALVE COMPRESSION	100



#### VINYLTUBING

PART NUMBER	DESCRIPTION	BOX QTY
CNTP-VT-14	1/4" VINYL TUBING WHITE 3 FT	100





## COMPONENTS



### DIGITAL TIRE PRESSURE GAUGE

PARTNUMBER	DESCRIPTION	BOX QTY
PG-DIG	DIGITAL TIRE PRESSURE GAUGE	50



### FAUCET REPAIR KIT

PART NUMBER	DESCRIPTION	BOX QTY
FCT-FRK14	FAUCET REPAIR KIT	100

## NV SERIES NEEDLE VALVE



### NV SERIES NEEDLE VALVES

PART NUMBER	DESCRIPTION	CASE QUANTITY	WEIGHT
<b>PANEL MOUNT TYPE NEEDLE VALVES</b>			
NV-12SS316	NEEDLE VALVE 1/2" FNPT 316 S.S. PANEL MOUNT	1	1 LBS
NV-34SS316	NEEDLE VALVE 3/4" FNPT 316 S.S. PANEL MOUNT	1	1 LBS
NV-10SS316	NEEDLE VALVE 1" FNPT 316 S.S. PANEL MOUNT	1	1.5 LBS

COMPONENTS	SS MODELS
VALVE BODY	316 STAINLESS STEEL
BONNET	316 STAINLESS STEEL
VALVE STEM	316 STAINLESS STEEL
HANDLE	AUL T6061
HANDLE SET SCREW	18-8 STAINLESS STEEL
PANEL MOUNT LOCK	18-8 STAINLESS STEEL
STEM SEALS	VITON O-RING

#### NV SERIES NEEDLE VALVES

- SOFT SEAT DESIGN FOR BUBBLE TIGHT SEAL
- 6000 PSI PRESSURE RATING (@ 200 F MAXIMUM)
- REPLACEABLE DELRIN SEAT
- STRAIGHT THROUGH PORTING FOR BI-DIRECTIONAL, HIGH CAPACITY FLOW AND EASY ROD CLEANING
- ALL 316SS STEM FOR LONGER LIFE
- ONE PIECE BONNET WITH METAL TO METAL SEAL TO THE VALVE BODY BELOW THE BONNET THREADS
- POLISHED FINISH

## VSH SERIES STAINLESS STEEL MEMBRANE VESSEL

### LIQUATEC VSH SERIES S.S. MEMBRANE VESSELS

Are the most economical solution to your Membrane Housing needs. Our Research & Development teams have taken great care in developing the highest quality products utilizing stainless steel as a standard material of manufacturing. Stainless steel will not be affected by UV Rays or Sunlight, is lighter and more durable than PVC. FRP housings are equivalent in pressure rating and will not warp/crack/weep like fiberglass. Our tooling ensures accurate dimensions, precise tolerances, and an overall precisely engineered uniform product.

### LIQUATEC VSH SERIES S.S. MEMBRANE VESSELS

Molded "U-Type" clamp closures form to the ends of our housings and Glass Reinforced Polyimide caps providing a stronger seal. We specialize in engineering proprietary lengths and diameters with your application or element of choice.



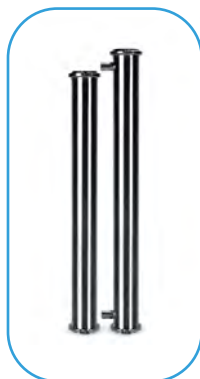
### SPECIFICATION

PART NUMBER	SIZE	FEED	BRINE	HOUSING	END CAPS	STYLE	TYPE	PRESSURE	QUANTITY	WEIGHT
<b>MEMBRANE VESSEL</b>										
VSH-2521	2.5" x 21"	3/8"	1/4"	304	GRP	End Port	U-Clamp	300 psi	1	5 LBS
VSH-2540	2.5" x 40"	3/8"	1/4"	304	GRP	End Port	U-Clamp	300 ps	1	8 LBS
VSH-4021-12	4" x 21"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 psi	1	9 LBS
VSH-4040-12	4" x 40"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 psi	1	15 LBS
VSH-4040-34	4" x 40"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 psi	1	15 LBS
VSH-4040SP	4" x 40"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 psi	1	18 LBS
VSH-4043	4" x 43"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 psi	1	17 LBS
VSH-4061-HY	4" x 61"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 psi	1	24 LBS
VSH-4080	4" x 80"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 psi	1	30 LBS

\*VSH-408 will include both VSH-40 COUPLER and VSH-40CRLR-HY for customer's choice.

### ACCESSORIES

PART NUMBER	DESCRIPTION	CASE QUANTITY
VSH-25CAP	END CAP BLACK FOR 2.5" RO VESSEL	1
VSH-25CLMPKIT	CLAMP SET FOR 2.5" RO VESSEL	1
VSH-25CAPORING	CAP ORING FOR 2.5" RO VESSEL	1
VSH-40CAPORING	CAP ORING FOR 4.0" RO VESSEL	1
VSH-40CAP12	END CAP BLACK FOR 4" RO VESSEL 1/2" FEED PORT, 1/2" BRINE	1
VSH-40CAP34	END CAP BLACK FOR 4" RO VESSEL 3/4" FEED PORT, 1/2" BRINE	1
VSH-40CHNLCLMP	CHANNEL CLAMP FOR 4" RO VESSEL	1
VSH-40CLMPKIT	CLAMP SET FOR 4" RO VESSEL	1
VSH-40COUPLER	COUPLER FOR 4" FILMTEC MEMBRANE (SHORTER)	1
VSH-40CPLR-HY	COUPLER FOR 4" HYDRANAUTICS MEMBRANE (LONGER)	1
VSH-40CPLR-SP	COUPLER FOR 4" SIDE PORT	1
VSH-ORING	PERMEATE O-RING FOR 2.5" & 4" VSH END CAP	1



#### MATERIALS OF CONSTRUCTION

- BODY 304
- END CAPS GLASS REINFORCED POLYIMIDE
- O-RINGS/PACKING EPDM

**SIMPLY THE BEST PRESSURE  
VESSEL IN THE INDUSTRY.**

Liquatec

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www.Liquatec.com



## FV SERIES STAINLESS STEEL FILTER HOUSING



### LIQUATEC FV SERIES STAINLESS STEEL FILTER HOUSINGS

Ideal for most industrial/commercial applications. With our welded leg design as a standard, not "optional" feature, we eliminate the added expense to your application. Commonly used for pre-filtration for REVERSE OSMOSIS (RO) systems, Farms, Food Service, Car Washes, Agriculture and many other uses.

### LIQUATEC FV SERIES STAINLESS STEEL FILTER HOUSINGS

Use a high grade 304/316 stainless steel as standard. Our housings easily accept Liqueatec's SDF, LX, SBD, SPF, SWF, DP and AR Series Cartridges. With our wide range of models, options, and filter cartridges, these units can easily meet most any requirement.

### SPECIFICATION

PART NUMBER	DESCRIPTION	FLOW RATE GPM	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>150 PSI FV SERIES S.S. FILTER HOUSING</b>					
FV-710-2	SS304 FILTER HOUSING 10", 7 ROUND, 150PSI, 2" NPT	42	1	16 X 16 X 30	47 LBS
FV-720-2	SS304 FILTER HOUSING 20", 7 ROUND, 150PSI, 2" NPT	84	1	16 X 16 X 41	57 LBS
FV-730-2	SS304 FILTER HOUSING 30", 7 ROUND, 150PSI, 2" NPT	126	1	16 X 16 X 50	67 LBS
FV-740-2	SS304 FILTER HOUSING 40", 7 ROUND, 150PSI, 2" NPT	168	1	16 X 16 X 60	77 LBS
FVS-710-2	SS316 FILTER HOUSING 10", 7 ROUND, 150PSI, 2" NPT	42	1	16 X 16 X 30	47 LBS
FVS-720-2	SS316 FILTER HOUSING 20", 7 ROUND, 150PSI, 2" NPT	84	1	16 X 16 X 41	57 LBS
FVS-730-2	SS316 FILTER HOUSING 30", 7 ROUND, 150PSI, 2" NPT	126	1	16 X 16 X 50	67 LBS
FVS-740-2	SS316 FILTER HOUSING 40", 7 ROUND, 150PSI, 2" NPT	168	1	16 X 16 X 60	77 LBS
FV-7-CUP	CUP FOR FV UNITS		1		
FV-7-ORING	ORING FOR FV UNITS		1		
FV-7-SPRING	SPRING FOR FV UNITS		1		
FV-7-TOPPLATE	TOP PLATE FOR FV UNITS		1		

### 7 ROUND 304 STAINLESS STEEL HOUSING

PART #	A	B	C	D	E	F	G	H	I	J
FV-710-2	13.4	10	13.3	8.5	11.4	5	16.53	3.7	16.85	14.33
FV-720-2	13.4	10	13.3	8.5	11.4	5	26.53	3.7	16.85	14.33
FV-730-2	13.4	10	13.3	8.5	11.4	5	36.53	3.7	16.85	14.33
FV-740-2	13.4	10	13.3	8.5	11.4	5	46.53	3.7	16.85	14.33

### 7 ROUND 316 STAINLESS STEEL HOUSING

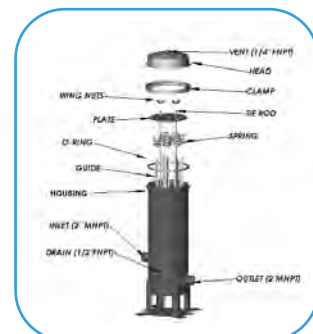
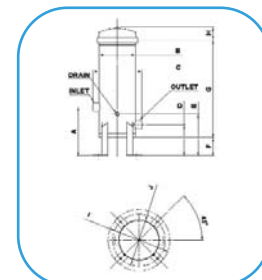
PART #	A	B	C	D	E	F	G	H	I	J
FVS-710-2	13.4	10	13.3	8.5	11.4	5	16.53	3.7	16.85	14.33
FVS-720-2	13.4	10	13.3	8.5	11.4	5	26.53	3.7	16.85	14.33
FVS-730-2	13.4	10	13.3	8.5	11.4	5	36.53	3.7	16.85	14.33
FVS-740-2	13.4	10	13.3	8.5	11.4	5	46.53	3.7	16.85	14.33

### MATERIALS OF CONSTRUCTION

- HOUSING 304 AND 316 STAINLESS STEEL
- CLOSURE STAINLESS STEEL
- O-RINGS EPDM (FDA GRADE)
- MAX. PRES/TEMP 150 PSI @ 200°F

### OPTIONAL FEATURES

1. Gauge Ports
2. Gauges Installed
3. 316 Stainless Steel
4. Filters DOE and 222 Installed



## PGB/PGS SERIES PRESSURE GAUGE

### LIQUATEC PG SERIES PRESSURE GAUGES

Are extremely high quality pressure gauges. With the OEM in mind, we have taken great care in developing our stringent quality control standards. From the special synthetic fluid we use in our Liquid filled gauges, that are UV resistant and will not fade in sunlight, to our special chrome plated stems. We also incorporate a unique bracket, standard on all our panel mount gauges, that comes at no extra charge.

### LIQUATEC PG SERIES PRESSURE GAUGES

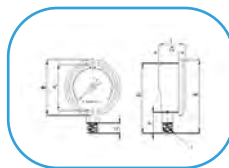
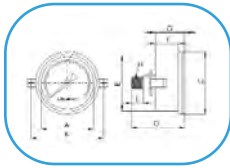
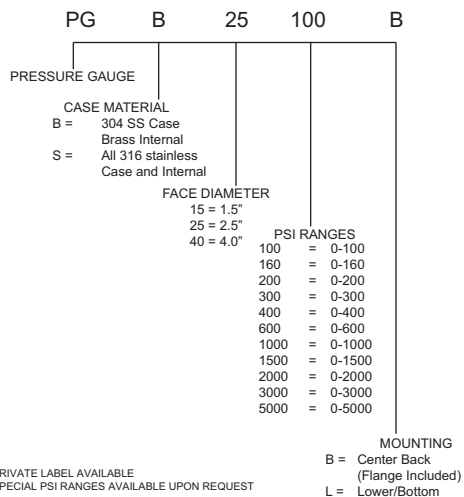
Have easy-to-read two-tone dials printed in bold UV resistant ink for ease of legibility even after extensive exposure to direct sunlight. Every gauge is tested for accuracy and leakage. Our Pressure Gauges are designed for demanding applications internationally such as Reverse Osmosis, Oil Refining, Chemical, Food Processing plants, Water Treatment just to name a few. We have many options available such as custom dials, special connections, different case materials, and custom labeling.



### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
<b>2.5" DIAMETER LOWER MOUNT</b>				
PGB25100L	2.5" GAUGE 0-100PSI S.S. 1/4" NPT, LOWER MOUNT	90	15 X 9 X 12	36 LBS
<b>2.5" DIAMETER CENTER BACK MOUNT</b>				
PGB25100B	2.5" GAUGE 0-100PSI S.S. 1/4" NPT, BACK FLANGE	60	15 X 9 X 12	31 LBS
PGB25160B	2.5" GAUGE 0-160PSI S.S. 1/4" NPT, BACK FLANGE	60	15 X 9 X 12	31 LBS
PGB25300B	2.5" GAUGE 0-300PSI S.S. 1/4" NPT, BACK FLANGE	60	15 X 9 X 12	31 LBS
<b>4" DIAMETER CENTER BACK MOUNT</b>				
PGB40300B	4" GAUGE 0-300PSI S.S. 1/4" NPT, BACK FLANGE	18	15 X 9 X 12	27 LBS
PGS40100B	4" GAUGE 0-100PSI All S.S. 1/4" NPT, BACK FLANGE	18	15 X 9 X 12	27 LBS
PGS40300B	4" GAUGE 0-300PSI All S.S. 1/4" NPT, BACK FLANGE	18	15 X 9 X 12	27 LBS

### PART NUMBER ORDERING GUIDE



### CENTER BACK MOUNT 2.5" AND 4" FACE

TYPE(INCH)	A	B	C	D	E	F	G	H	I
PGB25100B	2.28	3.32	2.80	2.36	2.48	1.02	1.34	1/4"NPT	0.51
PGB25160B	2.28	3.32	2.80	2.36	2.48	1.02	1.34	1/4"NPT	0.51
PGB25300B	2.28	3.32	2.80	2.36	2.48	1.02	1.34	1/4"NPT	0.51
PGB40100B	3.54	5	4.33	2.92	3.88	1.10	1.42	1/4"NPT	0.55
PGB40300B	3.54	5	4.33	2.92	3.88	1.10	1.42	1/4"NPT	0.55

### LOWER MOUNT 2.5" FACE

TYPE(INCH)	A	B	C	D	E	F	G	H	I
PGB25100L	2.28	2.80	0.51	3.54	3.72	1.38	1.02	1.06	1/4"NPT
PGB25300L	2.28	2.80	0.51	3.54	3.72	1.38	1.02	1.06	1/4"NPT

### MATERIALS OF CONSTRUCTION

- CASINGS BRASS, 304 SS AND 316 SS
- INTERNALS BRASS AND 316 SS
- STEMS CHROME PLATED BRASS, 304 SS OR 316 SS
- FACE WHITE ALUMINUM, BLACK AND BLUE PRINT
- LENS CLEAR ACRYLIC
- POINTER ALUMINUM, BLACK
- FLUID UV RESISTANT SYNTHETIC SILICONE
- TEMP RATING 0°F (-18°C) TO 140°F (60°C)

Liquatec

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sales@Liquatec.com  
www.Liquatec.com



## POLARIS ULTRAVIOLET SYSTEM



### POLARIS ULTRAVIOLET SYSTEMS

Provides a compact design and economical ultraviolet water treatment for low flow and medium flow applications such as; Light Commercial Reverse Osmosis Systems, water vending machines, food industry, laboratory, medical facility water, pharmaceutical, cosmetic processes, final electronic component rinsing and recirculation loops to name a few.

### POLARIS ULTRAVIOLET SYSTEMS

Produce little change in water temperature even after prolonged periods of no water flow, making them ideal for many application requirements.

### POLARIS ULTRAVIOLET SYSTEMS

May also be configured for TOC reduction in high purity or ultra pure water processes.



### POLARIS ULTRAVIOLET PRODUCT SPECIFICATION

PART NUMBER	UV-1C	UV-2C	UV-8C	UV-12C	UV-24B	UV-36B
GPM	1GPM	2GPM	8 GPM	12 GPM	24 GPM	36 GPM
RATED LIFE (HR)	9000 HRS	9000 HRS	9000 HRS	9000 HRS	9000 HRS	9000 HRS
LAMP WATTS	10 W	14W	32W	39W	39WX2	39WX3
VOLTAGE @ 50/60HZ	110V or 220V	110V or 220V	220V/110V	220V/110V	220V/110V	220V/110V
VISUAL WARNING	LED	LED	LED	LED	LED	LED
AUDIBLE WARNING	BUZZER SOUNDS	BUZZER SOUNDS	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM
NUMBER OF LAMPS	ONE	ONE	ONE	ONE	TWO	THREE
PORT SIZE INLET/OUTLET	1/4"	1/4"	3/4"	3/4"	3/4"	1.5"
WATER CHAMBER	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304
TIMER	NO	NO	NO	NO	NO	YES
LENGTH	10.47"	13.74"	27.87"	36.81"	36.93"	36.93"
WIDTH	2"	2.5"	2.5"	2.5"	3.5"	5.5"
MAX.PRESSURE	125 psi	125 psi	125 psi	125 psi	125 psi	125 psi
WORKING TEMP.	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F
WAVE LENGTH	254 nm	254 nm	254 nm	254 nm	254 nm	254nm
MICRO JOULES			30 mJ/cm2, 9.8gpm	30 mJ/cm2, 14.5gpm	30 mJ/cm2, 27.7gpm	30 mJ/cm2, 39.6gpm

### POLARIS ULTRAVIOLET PRODUCT SPECIFICATION

PART NUMBER	UV-50B	UV- 60B	UV- 80B	UV-100B
GPM	50 GPM	60 GPM	80 GPM	100 GPM
RATED LIFE (HR)	9000 HRS	9000 HRS	9000 HRS	9000 HRS
LAMP WATTS	39WX4	39WX5	39WX6	39WX8
VOLTAGE @ 50/60HZ	220V/110V	220V/110V	220V/110V	220V/110V
VISUAL WARNING	LED	LED	LED	LED
AUDIBLE WARNING	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM	INDICATOR WITH ALARM
NUMBER OF LAMPS	FOUR	FIVE	SIX	EIGHT
PORT SIZE INLET/OUTLET	1.5"	2" OR 2.5"	2" OR 2.5"	2" OR 2.5"
WATER CHAMBER	STAINLESS 304	STAINLESS 304	STAINLESS 304	STAINLESS 304
TIMER	YES	YES	YES	YES
LENGTH	36.93"	36.93"	39.93"	36.93"
WIDTH	5.5"	5.5"	6.26"	8.62"
MAX.PRESSURE	125 psi	125 psi	125 psi	125 psi
WORKING TEMP.	35°F - 104°F	35°F - 104°F	35°F - 104°F	35°F - 104°F
WAVE LENGTH	254 nm	254 nm	254 nm	254 nm
MICRO JOULES	30 mJ/cm2, 53.8gpm	30 mJ/cm2, 65.3gpm	30 mJ/cm2, 88.5gpm	30 mJ/cm2, 112gpm



UV-24B



UV-12C



UV-8C

# POLARIS ULTRAVIOLET

## POLARIS UV ULTRAVIOLET SYSTEM

GL32SE4P



GL39SE4P



QS32



QS39



UV-NUT- 1



UV-NUT- 2



BLST2439



UV-TIMER



UV-PLUG



UV-32SPRING



UV-39SPRING



UV-SEAL



### UV BALLAST

POLARIS ULTRAVIOLET STERILIZATION SYSTEMS UTILIZE A NATURAL QUARTZ SLEEVE TO PROTECT THE LAMP AND ALLOW THE MAXIMUM AMOUNT OF UV RAYS TO PENETRATE AND DISINFECT THE WATER.

POLARIS ULTRAVIOLET STERILIZATION SYSTEMS ARE YOUR BEST CHOICE IN ULTRAVIOLET STERILIZATION. WITH IT'S DURABLE CONSTRUCTION, HIGH QUALITY QUARTZ SLEEVE AND PERFORMANCE LAMPS YOU CAN'T GO WRONG.

### UV PERFORMANCE

POLARIS ULTRAVIOLET GERMICIDAL LAMPS ARE SPECIALLY DESIGNED ULTRAVIOLET RADIATION LAMPS WHICH PRODUCE A RATED WAVE LENGTH OF 254nm. ULTRAVIOLET RADIATION IN THE 200-300nm RANGE IS VERY EFFECTIVE IN KILLING MICROORGANISMS SUCH AS BACTERIA, VIRUS, MOLD AND YEAST.

POLARIS UV STERILIZATION SYSTEMS ARE IDEAL FOR USE IN DRINKING WATER, WASTE WATER AND GROUND WATER REMEDIATION. THEY ARE ALSO IDEAL FOR BOTTLING PLANTS, PHARMACEUTICAL APPLICATIONS, SEMICONDUCTOR STERILIZATION AND THE FOOD INDUSTRY.

### CHARACTERISTICS

- VALIDATED UV LAMPS 9000 HOURS RATED LIFE.
- CE LISTED
- UL (PENDING)
- MICRO-ORGANISMS INACTIVATED WITHIN SECONDS, NO HARMFUL CHEMICALS OR BY-PRODUCTS.
- COMPACT UNITS REQUIRE MINIMUM SPACE, SIMPLE INSTALLATION AND MAINTANCE

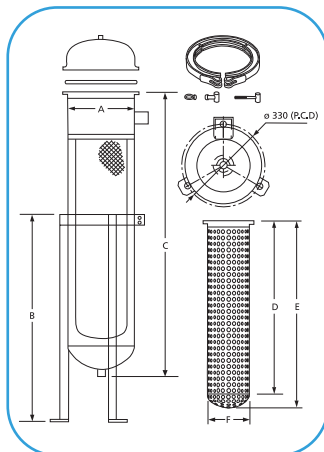
### FEATURES

- AUDIBLE BALLAST WITH LED LAMP OUT INDICATOR.
- HIGH OUTPUT LOW PRESSURE MERCURY VAPOR LAMPS WITH HIGH ISOLATION PIN DESIGN
- COMPACT DESIGN WITH 304 OR 316 STAINLESS STEEL REACTOR CHAMBER, POLISHED FOR LABORATORY AND MEDICAL USE.
- EASY SERVICING, NO NEED TO TURN OFF WATER FLOW TO CHANGE UV LAMP.
- OPEN END QUARTZ SLEEVE AND STAINLESS GLAND NUTS.
- OPERATING TEMPERATURE AND SEALING EFFICIENCY.
- LIMITED 5 YEAR WARRANTY ON STAINLESS STEEL HOUSING.

Liquatec

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## BFH SERIES S.S. BAG FILTER HOUSING

PART NUMBER	A	B	C	D
BFH1-304-2N	8.50	19.69	21.65	3.94
BFH2-304-2N	8.50	27.55	37.40	3.94

DIMENSIONS IN INCHES

### SPECIFICATION

PART NUMBER	DESCRIPTION	CASE QUANTITY	WEIGHT
BFH1-304-2N	304SS BAG FILTER HOUSING, 150PSI, 2" FNPT	1	55 LBS
BFH2-304-2N	304SS BAG FILTER HOUSING, 150PSI, 2" FNPT	1	65 LBS

PART NUMBER	BFH1	BFH2
FLOW RATE	90GPM	180GPM

FLOW RATES ARE BASED ON WATER AND ARE FOR GUIDELINES ONLY. HOUSINGS ACCEPT 2.5" TO 2.75" O.D. CARTRIDGES. 10" ELEMENTS CAN BE STACKED

## BAG FILTER

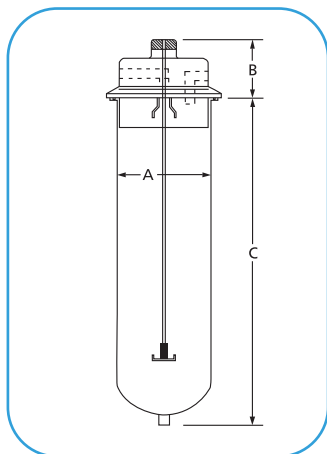


### SPECIFICATION

PART NUMBER	DESCRIPTION
BAG1-25M	BAG FILTER #1 25M
BAG2-25M	BAG FILTER #2 25M

\*1,5,10,25,75,100,200 Microns Available upon request.

**Liquatec**  
THE FUTURE OF FILTRATION



## T SERIES S.S. SINGLE ELEMENT FILTER HOUSING

PART NUMBER	A	B	C	D
T1	4.00	19.69	2.68	13.78
T2	4.00	27.55	2.68	23.62

DIMENSIONS IN INCHES

### "T" SERIES SINGLE ELEMENT HOUSING

PART NUMBER	DESCRIPTION	CASE QUANTITY	WEIGHT
T1-304-34	304SS FILTER HOUSING, 225PSI, 3/4" NPT (T1)	1	7 LBS
T2-304-34	304SS FILTER HOUSING, 225PSI, 3/4" NPT (T2)	1	10 LBS

PART NUMBER	T1	T2
FLOW RATE	5GPM	10GPM

FLOW RATES ARE BASED ON WATER AND ARE FOR GUIDELINES ONLY. HOUSINGS ACCEPT 2.5" TO 2.75" O.D. CARTRIDGES. 10" ELEMENTS CAN BE STACKED



UV1-110EB



UV2-110EB

## RESIDENTIAL UV LIGHT

### RESIDENTIAL UV LIGHT

PART NUMBER	DESCRIPTION	BOX QTY
UV1-110EB	1 GPM, UV S.S. 110V/60HZ, ELECTRONIC BALLAST	1
UV1-220EB	1 GPM, UV S.S. 220V/50HZ, ELECTRONIC BALLAST	1
UV2-110EB	2 GPM, UV S.S. 110V/60HZ, ELECTRONIC BALLAST	1

### ACCESSORIES

PART NUMBER	DESCRIPTION	BOX QTY
UV-1EB-BLST	1 GPM UV BALLAST	10
UV-1EB-LAMP	1 GPM UV LAMP	10
UV-1EB-QUARTZ	1 GPM UV QUARTZ	10
UV-2EB-LAMP	2 GPM UV LAMP	10

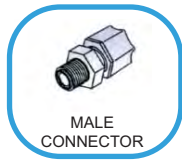
## COMPRESSION FITTING

### LIQUATEC COMPRESSION STYLE FITTINGS

Are a secure and economic way to make the connection. Liquec compression fittings have a sleeve molded into, which eliminates a two piece assembly and offer a quick and reliable connection.

### LIQUATEC COMPRESSION FITTINGS

Are available in a variety of sizes and come in the most common configurations such as; unions, elbows, tees, female and male connectors.



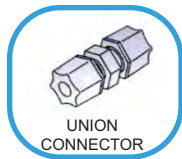
#### MALE CONNECTOR

PART NUMBER	DESCRIPTION	BAG QTY
LQ1042	MALE CONNECTOR 1/4" C X 1/8" NPT	100
LQ1044	MALE CONNECTOR 1/4" C X 1/4" NPT	100
LQ1046	MALE CONNECTOR 1/4" C X 3/8" NPT	100
LQ1048	MALE CONNECTOR 1/4" C X 1/2" NPT	100
LQ1064	MALE CONNECTOR 3/8" C X 1/4" NPT	100
LQ1066	MALE CONNECTOR 3/8" C X 3/8" NPT	100
LQ1068	MALE CONNECTOR 3/8" C X 1/2" NPT	100
LQ1086	MALE CONNECTOR 1/2" C X 3/8" NPT	100
LQ1088	MALE CONNECTOR 1/2" C X 1/2" NPT	100



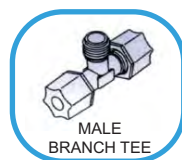
#### FIXED ELBOW

PART NUMBER	DESCRIPTION	BAG QTY
LQ4042	FIXED ELBOW 1/4" C X 1/8" NPT	100
LQ4044	FIXED ELBOW 1/4" C X 1/4" NPT	100
LQ4046	FIXED ELBOW 1/4" C X 3/8" NPT	100
LQ4064	FIXED ELBOW 3/8" C X 1/4" NPT	100
LQ4066	FIXED ELBOW 3/8" C X 3/8" NPT	100
LQ4086	FIXED ELBOW 1/2" C X 3/8" NPT	100
LQ4088	FIXED ELBOW 1/2" C X 1/2" NPT	100



#### UNION CONNECTOR

PART NUMBER	DESCRIPTION	BAG QTY
LQ1544	UNION CONNECTOR 1/4" COMP	100
LQ1564	UNION CONNECTOR 3/8" C X 1/4" C	100
LQ1566	UNION CONNECOTR 3/8" COMP	100
LQ1586	UNION CONNECTOR 1/2" C X 3/8" C	100
LQ1588	UNION CONNECOTR 1/2" COMP	100



#### MALE BRANCH TEE

PART NUMBER	DESCRIPTION	BAG QTY
LQ6044	MALE BRANCH TEE 1/4" C X 1/4" NPT	100
LQ6064	MALE BRANCH TEE 3/8" C X 1/4" NPT	100
LQ6066	MALE BRANCH TEE 3/8" C X 3/8" NPT	100
LQ6086	MALE BRANCH TEE 1/2" C X 3/8" NPT	100
LQ6088	MALE BRANCH TEE 1/2" C X 1/2" NPT	100



#### MALE RUN TEE

PART NUMBER	DESCRIPTION	BAG QTY
LQ7544	MALE RUN TEE 1/4" C X 1/4" NPT	100
LQ7564	MALE RUN TEE 3/8" C X 1/4" NPT	100
LQ7566	MALE RUN TEE 3/8" C X 3/8" NPT	100
LQ7586	MALE RUN TEE 1/2" C X 3/8" NPT	100
LQ7588	MALE RUN TEE 1/2" C X 1/2" NPT	100



## COMPRESSION FITTING

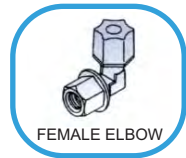
### UNION TEE

PART NUMBER	DESCRIPTION	BAG QTY
LQ704	UNION TEE 1/4" COMP	100
LQ706	UNION TEE 3/8" COMP	100
LQ708	UNION TEE 1/2" COMP	100



### FEMALE ELBOW

PART NUMBER	DESCRIPTION	BAG QTY
LQ4542	FEMALE ELBOW 1/4" C X 1/8" FNPT	100
LQ4544	FEMALE ELBOW 1/4" C X 1/4" FNPT	100



### BULKHEAD UNION CONNECTOR

PART NUMBER	DESCRIPTION	BAG QTY
LQ204	BULKHEAD UNION CONNECTOR 1/4" COMP	100
LQ206	BULKHEAD UNION CONNECTOR 3/8" COMP	100
LQ208	BULKHEAD UNION CONNECTOR 1/2" COMP	100



### NUTS

PART NUMBER	DESCRIPTION	BAG QTY
0-4-N	NUT 1/4" NYLON CLEAR	100
0-6-N	NUT 3/8" NYLON CLEAR	100
0-8-N	NUT 1/2" NYLON CLEAR	100



### NIPPLE

PART NUMBER	DESCRIPTION	BAG QTY
NP-14	PLASTIC NIPPLE 1/4" NPT	100
NP-38	PLASTIC NIPPLE 3/8" NPT	100
NP-12	PLASTIC NIPPLE 1/2" NPT	100
NP-34	PLASTIC NIPPLE 3/4" NPT	100
NP-10	PLASTIC NIPPLE 1" NPT	100
NP-15	PLASTIC NIPPLE 1.5" NPT	100



### TUBE INSERT

PART NUMBER	DESCRIPTION	BAG QTY
TI-14-N	TUBE INSERT 1/4" NYLON	1000
TI-38-N	TUBE INSERT 3/8" NYLON	1000



### TUBE/DELTRIN SLEEVE

PART NUMBER	DESCRIPTION	BAG QTY
TS-14-N	TUBE SLEEVE (DELTRIN) 1/4" NYLON	1000
TS-38-N	TUBE SLEEVE (DELTRIN) 3/8" NYLON	1000



## PMF SERIES PANEL MOUNT FLOWMETER

### PMF-A SERIES

## ADJUSTABLE PANEL MOUNT FLOWMETER

### INF SERIES

## INLINE FLOWMETER

#### LIQUATEC PMF / PMF-A / INF SERIES FLOWMETERS

Are of consistent quality with unparalleled endurance. Utilizing our experience in Engineering and Injection Molding, we have developed a low cost, competitive, and highly consistent quality product. Our product reduces the chances of human error often associated with handmade machined products.

#### LIQUATEC PMF / PMF-A / INF SERIES FLOWMETERS

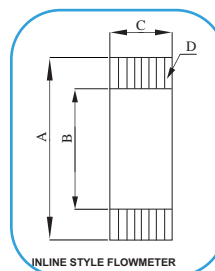
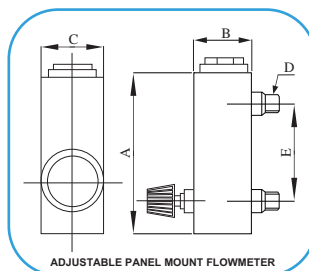
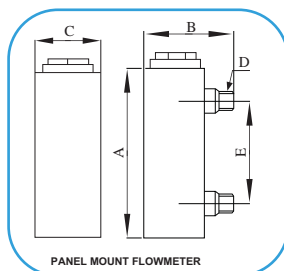
Have easy-to-read scales, silk screened onto the acrylic bodies, that are extremely accurate. With our durable, attractive, low cost construction, and practically unbreakable bodies, you will soon make these your flowmeters of choice.



### SPECIFICATION

PART NUMBER	CALIBRATION		A	B	DIMENSION DATA (inch)			E	CASE QUANTITY	BOX DIMENSION (INCHES)	WEIGHT
	GPM	LPM			C	D (ADAPTER SIZE)					
<b>PANEL MOUNT FLOWMETER</b>											
PMF-0202	0.2 to 2	0.8 to 8	8.11	2.75	1.26	3/8" MNPT	6.50	20	20.5 X 11.8 X 9.8	21 LBS	
PMF-0505	0.5 to 5	2 to 18	8.11	2.75	1.26	1/2" MNPT	6.50	20	20.5 X 11.8 X 9.8	21 LBS	
PMF-2010	2 to 10	4 to 40	8.66	3.66	1.54	3/4" MNPT	6.50	20	20.5 X 11.8 X 9.8	23 LBS	
PMF-2016	2 to 16	8 to 60	8.66	3.66	1.54	1" MNPT	6.50	20	20.5 X 11.8 X 9.8	23 LBS	
PMF-4024	4 to 24	10 to 100	9.44	3.86	1.73	1" MNPT	6.89	20	21.6 X 12.2 X 11.8	31 LBS	
PMF-5035	5 to 35	10 to 130	9.44	3.86	1.73	1" MNPT	6.89	20	21.6 X 12.2 X 11.8	31 LBS	
<b>ADJUSTABLE PANEL MOUNT FLOWMETER</b>											
PMF-0101A	0.1 to 1	0.4 to 4	6.61	1.37	1.26	1/4"MNPT	5.00	20	20.5 X 11.8 X 9.8	18 LBS	
PMF-0202A	0.2 to 2	1 to 7	6.61	1.37	1.26	3/8"MNPT	5.00	20	20.5 X 11.8 X 9.8	18 LBS	
PMF-0505A	0.5 to 5	2 to 18	6.61	1.37	1.26	1/2" MNPT	5.00	20	20.5 X 11.8 X 9.8	18 LBS	
PMF-2010A	2 to 10	10 to 35	8.89	1.81	1.77	3/4"MNPT	6.30	20	21.6 X 12.2 X 11.8	32 LBS	
PMF-4014A	4 to 14	15 to 50	8.89	1.81	1.77	1"MNPT	6.30	20	21.6 X 12.2 X 11.8	32 LBS	
PMF-6020A	6 to 20	20 to 70	8.89	1.81	1.77	1"MNPT	6.30	20	21.6 X 12.2 X 11.8	32 LBS	
PMF-10035A	10 to 35	30 to 130	8.89	1.81	1.77	1"MNPT	6.30	20	21.6 X 12.2 X 11.8	32 LBS	
<b>INLINE STYLE FLOWMETER</b>											
INF-0202	0.2 to 2	1 to 7	8.26	7.09	1.26	1/2"FNPT		48	14.8 X 14.8 X 8.3	21 LBS	
INF-0505	0.5 to 5	1.8 to 18	8.26	7.09	1.26	1/2"FNPT		48	14.8 X 14.8 X 8.3	21 LBS	
INF-1010	1 to 10	4 to 36	10.94	9.29	1.77	3/4"FNPT		18	15.9 X 13.3 X 8.8	24 LBS	
INF-2020	2 to 20	10 to 70	10.43	9.25	2.01	1"FNPT		18	15.9 X 13.3 X 8.8	24 LBS	
INF-5030	5 to 30	20 to 110	10.43	9.25	2.01	1"FNPT		18	15.9 X 13.3 X 8.8	24 LBS	
INF-20060M	20 to 60	80 to 220	12.05	9.25	2.01	1-1/2"MNPT		18	15.9 X 13.3 X 8.8	28 LBS	
INF-200100	20 to 100	80 to 360	14.96	10.63	2.95	2"FNPT		8	14.8 X 14.8 X 8.3	29 LBS	
INF-400120	40 to 120	150 to 450	14.96	10.63	2.95	2"FNPT		8	14.8 X 14.8 X 8.3	29 LBS	
INF-500150	50 to 150	190 to 550	14.96	10.63	2.95	2"FNPT		8	14.8 X 14.8 X 8.3	29 LBS	
INF-600200	60 to 200	220 to 750	14.96	10.63	2.95	2"FNPT		8	14.8 X 14.8 X 8.3	29 LBS	

Flowmeters are tested and calibrated for water only. Although may be suitable for other liquids, Liquatec will not guarantee them.



#### MATERIALS OF CONSTRUCTION

- BODY ACRYLIC, PLASTIC
- ORINGS EPDM
- CONNECTIONS POLYPROPYLENE
- GUIDE 304 STAINLESS STEEL
- FLOAT 304 STAINLESS STEEL
- MAX PRESSURE 120 PSI (827KPA)
- TEMP RATING 120°F (49°C)
- ACCURACY IS +/- 5%

## TITEGRIP™ QUICK CONNECT FITTING

AS A LEADING MANUFACTURER OF HIGH QUALITY WATER FILTRATION COMPONENTS, LIQUATEC HAS LONG MADE A REPUTATION FOR OFFERING QUALITY FILTRATION COMPONENTS THAT MEET OR EXCEED OUR CUSTOMERS EXPECTATIONS. OUR COMMITMENT TO EXCELLENCE ALONG WITH OUR RIGOROUS QUALITY CONTROL STANDARDS HAS ENABLED US TO BECOME STABLE IN THE WATER FILTRATION INDUSTRY.

WITH A GROWING NUMBER OF NSF CERTIFIED COMPONENTS WE ARE ABLE TO GIVE OUR CUSTOMERS THE PEACE OF MIND THAT EVERY SINGLE COMPONENT MANUFACTURED BY US WILL STAND UP TO THE HIGHEST MANUFACTURED SCRUTINY.

**LIQUATEC TITE GRIP QUICK CONNECT FITTINGS** ARE THE BEST CHOICE FOR ALL OF YOUR CONNECTION NEEDS. MADE FROM FDA APPROVED, HIGH GRADE POLYPROPYLENE AND PRECISE TOLERANCE LEVELS, YOU CANNOT FIND A BETTER FITTING TO MAKE YOUR CONNECTION.

### LIQUATEC TITE GRIP QUICK CONNECT FITTING ARE:

- SUITABLE FOR WATER AND MULTIPLE LIQUIDS.
- MANUFACTURED WITH SAFE, NON TOXIC FDA APPROVED MATERIAL.
- CURRENTLY BEING TESTED TO NSF/ANSI STANDARDS 51 AND 61
- NSF CERTIFIED UNDER NSF/ANSI STANDARD 42 FOR MATERIALS AND STANDARD 58 FOR USE AS A COMPONENT IN RESIDENTIAL R.O. SYSTEMS

### NSF 58 TESTING CRITERIS:

STATIC 3X RATED PRESSURE OR 300PSI MINIMUM  
BURST 4X RATED PRESSURE OR 400PSI MINIMUM  
CYCLIC 100,00 CYCLES @ 150PSI

**LIQUATEC TITE GRIP GRIP QUICK CONNECT FITTINGS** DO NOT REQUIRE SPECIAL TOOLS FOR INSTALLATION AND ARE DESIGNED TO CREATE A FIRM GRIP AND TIGHT SEAL ON DIFFERENT TYPES OF TUBING. TO INSURE A LONG TERM CONNECTION IT IS BEST TO USE OUR RELEASE TOOL TO PROPERLY AFFIX THE COLLET TO THE TUBING.

LIQUATEC TITE GRIP QUICK CONNECT FITTINGS CAN BE USED ON PLASTIC TUBING AS WELL AS MOST SOFT METAL TUBING SUCH AS, COPPER AND STAINLESS STEEL.

LIQUATEC TITE GRIP QUICK CONNECT FITTINGS ARE IDEAL FOR USE IN THE FOLLOWING APPLICATIONS; REVERSE OSMOSIS, POU FILTRATION, BEVERAGE DISPENSING, COFFEE MACHINES, RESIDENTIAL, COMMERCIAL AND LIGHT INDUSTRIAL APPLICATIONS.

## MAKING THE CONNECTION



THE KEY TO A SECURE CONNECTION IS TO CUT THE TUBE SQUARE. UTILIZING THE CORRECT EQUIPMENT IS BEST.



IF TUBING END IS NOT SQUARE, RECUT TUBING END. REMOVE BURRS AND CHAMFER THE TUBE END TO AVOID O-RING DAMAGE.



DO NOT USE A LARGE TUBE CUTTER THAT WILL CRUSH THE TUBING OR HACK SAW TO CUT TUBING. ALWAYS USE A LIQUATEC TUBE CUTTER TO ENSURE THE CORRECT CUT.

## ESTABLISHING A TITE GRIP



AFTER YOU HAVE CUT THE TUBE SQUARE AND INSERTED THE TOOL BETWEEN THE COLLET AND THE BODY. PUSH THE TUBE ALL THE WAY INTO THE BODY TO THE TUBE STOP. WITH THE COLLET EXTENDED YOU ENSURE A COMPLETE, FULL AND TITE GRIP.



INSTALLING THE TUBING IN THIS FASHION WILL NOT ALLOW "PLAY" IN THE COLLET LIKE OTHER MANUFACTURERS SUGGEST. YOU WILL HAVE A FIRM, STRONG CONNECTION. NO MOVEMENT IS THE BEST FIT.



TO DISCONNECT. BE SURE THAT THE SYSTEM HAS BEEN DEPRESSURIZED BEFORE REMOVING THE FITTING. PUSH THE COLLET AGAINST THE BODY AND HOLD. THE TUBING SHOULD PULL OUT EASILY.

**LIQUATEC TITEGRIP QUICK CONNECT FITTINGS...**  
**THE SUPERIOR CHOICE TO MEET YOUR CONNECTION NEEDS.**



**TITEGRIP™**  
**QUICK CONNECT FITTING**

**LQ10**
**MALE CONNECTOR**

PART NUMBER	DESCRIPTION	BOX QTY
LQ100402W	1/4 TUBE X 1/8 MALE NPTF PP	500
LQ100404W	1/4 TUBE X 1/4 MALE NPTF PP	400
LQ100406W	1/4 TUBE X 3/8 MALE NPTF PP	400
LQ100604W	3/8 TUBE X 1/4 MALE NPTF PP	250
LQ100606W	3/8 TUBE X 3/8 MALE NPTF PP	250
LQ100608W	3/8 TUBE X 1/2 MALE NPTF PP	250
LQ100806W	1/2 TUBE X 3/8 MALE NPTF PP	150
LQ100808W	1/2 TUBE X 1/2 MALE NPTF PP	150


**LQ40**
**FIXED ELBOW**

PART NUMBER	DESCRIPTION	BOX QTY
LQ400402W	1/4 TUBE X 1/8 NPTF PP	500
LQ400404W	1/4 TUBE X 1/4 NPTF PP	400
LQ400406W	1/4 TUBE X 3/8 NPTF PP	300
LQ400606W	3/8 TUBE X 3/8 NPTF PP	200
LQ400808W	1/2 TUBE X 1/2 NPTF PP	150


**LQ70**
**UNION TEE**

PART NUMBER	DESCRIPTION	BOX QTY
LQ7004W	1/4 TUBE UNION TEE PP	300
LQ7006W	3/8 TUBE UNION TEE PP	100
LQ7008W	1/2 TUBE UNION TEE PP	80
LQ700604W	3/8 RUN X 3/8 RUN X 1/4 BRANCH PP	150
LQ700806W	1/2 RUN X 1/2 RUN X 3/8 BRANCH PP	50


**LQSA**
**STEM ADAPTER**

PART NUMBER	DESCRIPTION	BOX QTY
LQSA0402W	1/4 STEM X 1/8 MALE NPTF PP	500
LQSA0404W	1/4 STEM X 1/4 MALE NPTF PP	500
LQSA0604W	3/8 STEM X 1/4 MALE NPTF PP	300


**LQSC**
**STEM CONNECTOR**

PART NUMBER	DESCRIPTION	BOX QTY
LQSC0604W	3/8 STEM X 1/4 TUBE CONNECTOR PP	400
LQSC0806W	1/2 STEM X 3/8 TUBE CONNECTOR PP	200

## TITEGRIP™ QUICK CONNECT FITTING

### CHECK VALVE

PART NUMBER	DESCRIPTION	BOX QTY
LQCV400402W	1/4 TUBE X 1/8 FIXED ELBOW CV NPTF PP	500



### PLUG IN ELBOW

PART NUMBER	DESCRIPTION	BOX QTY
LQPE0404W	1/4 STEM X 1/4 TUBE PLUG IN ELBOW PP	500
LQPE0604W	3/8 STEM X 1/4 TUBE PLUG IN ELBOW PP	300
LQPE0606W	3/8 STEM X 3/8 TUBE PLUG IN ELBOW PP	200



### FAUCET CONNECTOR

PART NUMBER	DESCRIPTION	BOX QTY
LQFC04W	1/4 TUBE X 7/16-24 UNS FAUCET CONNECTOR PP	250
LQFC06W	3/8 TUBE X 7/16-24 UNS FAUCET CONNECTOR PP	200



### INLINE VALVE TUBE TO TUBE

PART NUMBER	DESCRIPTION	BOX QTY
LQBV1504W	1/4 TUBE X 1/4 TUBE STRAIGHT VALVE PP	100
LQBV1506W	3/8 TUBE X 3/8 TUBE STRAIGHT VALVE PP	50
LQBV1508W	1/2 TUBE X 1/2 TUBE STRAIGHT VALVE PP	50



### TANK VALVE TUBE TO FEMALE

PART NUMBER	DESCRIPTION	BOX QTY
LQBV450404W	1/4 TUBE X 1/4 FEMALE NPT ELBOW VALVE PP	100
LQBV450604W	3/8 TUBE X 1/4 FEMALE NPT ELBOW VALVE PP	50



### LOCKING CLIP

PART NUMBER	DESCRIPTION	BOX QTY
LQLC04R	1/4 LOCKING CLIP RED	4000
LQLC06R	3/8 LOCKING CLIP RED	3000
LQLC08R	1/2 LOCKING CLIP RED	2000



## TITEGRIP™ QUICK CONNECT FITTING



### UNION ELBOW

PART NUMBER	DESCRIPTION	BOX QTY
LQ5004W	1/4 TUBE UNION ELBOW PP	400
LQ5006W	3/8 TUBE UNION ELBOW PP	200
LQ5008W	1/2 TUBE UNION ELBOW PP	100
LQ500604W	3/8 TUBE X 1/4 TUBE UNION ELBOW PP	200



### UNION CONNECTOR

PART NUMBER	DESCRIPTION	BOX QTY
LQ1504W	1/4 TUBE UNION CONNECTOR PP	400
LQ1506W	3/8 TUBE UNION CONNECTOR PP	200
LQ1508W	1/2 TUBE UNION CONNECTOR PP	100
LQ150604W	3/8 TUBE X 1/4 TUBE UNION CONNECTOR PP	200
LQ150806W	1/2 TUBE X 3/8 TUBE UNION CONNECTOR PP	150



### FEED ADAPTER

PART NUMBER	DESCRIPTION	BOX QTY
LQFA0406F	1/4 TUBE X 3/8 MALE X 3/8 FEMALE ANGLE STOP	50



### COLLET LOCKING / RELEASE TOOL

PART NUMBER	DESCRIPTION	BOX QTY
LQTL1438	COLLET LOCKING/RELEASE TOOL 1/4, 3/8 BLACK	500



### END STOP

PART NUMBER	DESCRIPTION	BOX QTY
LQES04W	1/4 END STOP PP	500
LQES06W	3/8 END STOP PP	500



## TITEGRIP™ QUICK CONNECT FITTING

### BULKHEAD UNION

PART NUMBER	DESCRIPTION	BOX QTY
LQ200404W	1/4 TUBE X 1/4 TUBE BULKHEAD UNION PP	200
LQ200606W	3/8 TUBE X 3/8 TUBE BULKHEAD UNION PP	150



### BRASS QUICK CONNECT FITTING

PART NUMBER	DESCRIPTION	BOX QTY
LQ250604B	3/8 TUBE X 1/4 FLARE FEMALE ADAPTER	200
LQ250606B	3/8 TUBE X 3/8 FLARE FEMALE ADAPTER	200



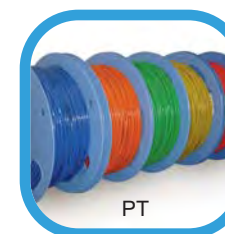
### TUBE CUTTER

PART NUMBER	DESCRIPTION	BOX QTY
LQTC	1/4, 3/8, 1/2 TUBE CUTTER	50



### POLYETHYLENE TUBE

PART NUMBER	DESCRIPTION	BOX QTY
PT04-BK-0500	1/4 POLYETHYLENE TUBE- BLACK (500 FT ROLL)	2
PT04-WH-0500	1/4 POLYETHYLENE TUBE- WHITE (500 FT ROLL)	2
PT04-BL-0500	1/4 POLYETHYLENE TUBE- BLUE (500 FT ROLL)	2
PT04-NA-0500	1/4 POLYETHYLENE TUBE- NATURAL ( 500 FT ROLL)	2
PT04-RD-0500	1/4 POLYETHYLENE TUBE- RED (500 FT ROLL)	2
PT04-OG-0500	1/4 POLYETHYLENE TUBE- ORANGE (500 FT ROLL)	2
PT04-GN-0500	1/4 POLYETHYLENE TUBE- GREEN (500 FT ROLL)	2
PT04-YL-0500	1/4 POLYETHYLENE TUBE- YELLOW (500 FT ROLL)	2
PT06-BK-0500	3/8 POLYETHYLENE TUBE- BLACK (500 FT ROLL)	1
PT06-WH-0500	3/8 POLYETHYLENE TUBE- WHITE (500 FT ROLL)	1
PT06-BL-0500	3/8 POLYETHYLENE TUBE- BLUE (500 FT ROLL)	1
PT06-NA-0500	3/8 POLYETHYLENE TUBE- NATURAL (500 FT ROLL)	1
PT08-BK-0250	1/2 POLYETHYLENE TUBE- BLACK (250 FT ROLL)	1
PT08-WH-0250	1/2 POLYETHYLENE TUBE- WHITE (250 FT ROLL)	1
PT08-BL-0250	1/2 POLYETHYLENE TUBE- BLUE (250 FT ROLL)	1



## QUICK CONNECT FITTINGS

### CHEMICAL SUBSTANCE COMPATIBILITY CHART

LIQUATEC TITE GRIP QUICK CONNECT FITTINGS ARE DESIGNED TO BE USED PRIMARILY FOR WATER TREATMENT APPLICATIONS. INCLUDED IN THIS CHEMICAL COMPATIBILITY CHART ARE A LIST OF SUBSTANCES THAT MAY HAVE BEEN TESTED AGAINST THE COMPATIBILITY OF THE MATERIALS OF CONSTRUCTION OF OUR FITTINGS WITH LISTED CHEMICAL SUBSTANCE. CUSTOMERS ARE ADVISED TO CONDUCT THEIR OWN TEST UNDER ACTUAL SERVICE CONDITIONS.

CHEMICAL	COMPATIBILITY
ACETIC ACID 3%	GOOD
ACETONE	GOOD
AIR	GOOD
AMMONIA-COLD GAS	GOOD
AMMONIUM CARBONATE	GOOD
AMMONIUM CHLORIDE	GOOD
AMMONIUM NITRATE	GOOD
AMMONIUM SULFATE 10% PH 5.8	GOOD
AMYLALCOHOL	SATISFACTORY
ANILINE	SATISFACTORY
BEER	GOOD
BENZALDEHYDE	GOOD
BORAX	GOOD
BORIC ACID	GOOD
BROMINE WATER	UNSUITABLE
BUTANE	UNSUITABLE
BUTTER	GOOD
BUTYL ACETATE	SATISFACTORY
CALCIUM CHLORIDE	GOOD
CALCIUM HYPOCHLORITE	GOOD
CARBON TETRACHLORIDE	UNSUITABLE
CHLORINE-DRY	UNSUITABLE
CHLORINE-WET	UNSUITABLE
CHLOROFORM	UNSUITABLE
CHROMIC ACID 3%	UNSUITABLE
CRITIC ACID 10%	SATISFACTORY
COKE OVEN GAS	UNSUITABLE
COTTONSEED OIL	UNSUITABLE
CREOSOTE	SATISFACTORY
CYCLOHEXANOL	SATISFACTORY
CYCLOHEXANONE	GOOD
DETERGENT SOLUTION	GOOD
DIMETHYLFORMAMIDE	SATISFACTORY
ETHYL ACETATE	SATISFACTORY
ETHYLALCOHOL 50%	GOOD
ETHYLALCOHOL 95%	GOOD
FORMALDEHYDE 40%	SATISFACTORY
FORMIC ACID 10%	GOOD
GLUCOSE	GOOD
GLYCERIN	GOOD
HYDROBIC ACID	GOOD
HYDROCHLORIC ACID 30%	SATISFACTORY
HYDROFLUORIC ACID-DILUTE	GOOD
HYDROFLUORIC ACID 40%	GOOD
HYDROGEN PEROXIDE 3%	SATISFACTORY
HYDROGEN SULFIDE	GOOD
LACTIC ACID 20%	GOOD
LINSEED OIL	GOOD
MALEIC ACID	UNSUITABLE
MERCURY	GOOD
METHYL CHLORIDE	UNSUITABLE
MILK	GOOD
NATURAL GAS	UNSUITABLE
NICKEL SALTS	GOOD
NITRIC ACID 10%	SATISFACTORY
NITRIC ACID-CONCENTRATED	UNSUITABLE
OLIVE OIL	SATISFACTORY
OXALIC ACID	GOOD
PETROL	UNSUITABLE
PHOSPHORIC ACID 20-25%	GOOD
PHOSPHORIC ACID CONCENTRATED	SATISFACTORY
POTABLE WATER	GOOD
POTASSIUM HYDROXIDE 50%	GOOD
PROPANE	UNSUITABLE
PYRIDINE	SATISFACTORY
SALT WATER	GOOD
SOAP SOLUTION	GOOD
SODIUM CARBONATE 10%	GOOD
SODIUM CHLORIDE 10%	GOOD
SODIUM HYDROXIDE (CAUSTIC SODA SOLUTION)	GOOD
SODIUM HYPOCHLORITE (12.5% ACTIVE CHLORINE)	SATISFACTORY
SODIUM NITRITE 10% PH 8.8	GOOD
STREARIC ACID	SATISFACTORY
SULFUR	GOOD
SULFUR CHLORIDE	UNSUITABLE
SULFUR DIOXIDE GAS	GOOD
SULFURIC ACID 3%	GOOD
SULFURIC ACID 10%	GOOD
SULFURIC ACID-CONCENTRATE	UNSUITABLE
TAR	UNSUITABLE
TARTARIC ACID	SATISFACTORY
TULUENE	UNSUITABLE
TRICHLOROETHANE	UNSUITABLE
VEGETABLE OIL	SATISFACTORY
VINEGAR	GOOD
ZINC SALTS	GOOD

## TITEGRIP QUICK CONNECT FITTINGS TECHNICAL SPECIFICATIONS

### TUBING USE

DEPENDING ON THE TYPE OF TUBE USED, TITE GRIP FITTINGS MAY BE USED AT HIGHER PRESSURES AND TEMPERATURES. LIQUATEC TITE GRIP FITTINGS CAN BE UTILIZED WITH THE FOLLOWING TUBING:

PLASTIC TUBING: POLYPROPYLENE, POLYETHYLENE, NYLON THAT CONFORM TO THE SPECIFICATIONS LISTED UNDER TOLERANCES.

BRAIDED HOSE: BARBS MUST BE UTILIZED WITH CLAMPS AND MUST INCORPORATE TUBE TO HOSE STEMS.

METAL TUBING: COPPER, BRASS AND MILD STEEL THAT CONFORMS TO THE TOLERANCES LISTED UNDER TUBE TOLERANCES.

METAL TUBING (HARD): TITEGRIP FITTINGS ARE NOT DESIGNED FOR HARD METAL TUBING

### CHEMICAL COMPATIBILITY

LIQUATEC TITEGRIP FITTINGS CAN BE USED ON LIQUIDS OTHER THAN POTABLE WATER. WE RECOMMEND THAT YOU CONSULT OUR CHEMICAL COMPATIBILITY CHAT TO DETERMINE IF THEY CAN BE UTILIZED UNDER YOUR SPECIFICATIONS. ALSO YOU MAY CONTACT US TO FURTHER VERIFY COMPATIBILITY.

### FOOD QUALITY

LIQUATEC TITE GRIP FITTINGS ARE SUITABLE FOR FOOD AND WATER USE. THEY ARE MANUFACTURED USING FDA APPROVED MATERIALS AND ARE CURRENTLY BEING TESTED TO NSF STANDARDS 51 AND 61. LIQUATEC TITEGRIP FITTINGS ARE ALSO NSF CERTIFIED UNDER STANDARD 42 FOR MATERIALS AND STANDARD 58 FOR USE AS A R.O. COMPONENT.

### RESPONSIBILITY OF USE/WARRANTY

LIQUATEC PRODUCTS WARRANTS OUR PRODUCTS AGAINST DEFECTS IN MANUFACTURING OR MATERIAL. TITEGRIP FITTINGS ARE WARRANTED FOR WATER USE ONLY UNLESS SPECIFIED IN WRITING BY LIQUATEC PRODUCTS. IT IS THE RESPONSIBILITY OF THE INSTALLER/USER TO ENSURE THAT THE INSTALLATION IS MADE CORRECTLY, LEAK FREE AND THAT IT IS ADEQUATELY MAINTAINED.

### MATERIALS OF CONSTRUCTION

LIQUATEC TITEGRIP FITTINGS ARE MADE OF THREE COMPONENTS:

- **BODY** FDA APPROVED POLYPROPYLENE
- **O-RING** EPDM
- **COLLECT:** POLYPROPYLENE AND STAINLESS STEEL TETH

TUBE TOLERANCE		
TUBE OD		TUBE ID
1/4"	X	0.160"
3/8"	X	0.240"
1/2"	X	0.355"

WORKING PRESSURE AND TEMPERATURE RANGE	
TEMPERATURE	PRESSURE
MAX 70°F / 20°C	100 PSI / 7 BAR
MIN 33°F / 1°C	

MAXIMUM TORQUE VALUES		
	THREADS	
	1/8" - 1/4"	3/8" - 1/2"
MAXIMUM TORQUE	1.0FT LBS 1.5NM	2.2FT.LBS 3.0NM

## WEIGHTS & MEASURES

### AVOIRDUPOIS WEIGHT

1 DRAM = 27.478 GRAINS  
1 OUNCE = 16 DRAMS  
1 POUND = 16 OUNCES  
1 SHORT TON = 2240 POUNDS  
1 OUNCE = 437.5 GRAINS  
1 POUND = 7000 GRAINS

**NOTE: THE GRAIN IS THE SAME  
IN AVOIRDUPOIS, TROY AND  
APOTHECARIES WEIGHT.**

### TROY WEIGHT

1 PENNYWEIGHT = 24 GRAINS  
1 OUNCE = 20 PENNY WEIGHTS  
1 POUND = 12 OUNCES  
1 OUNCE = 480 GRAINS  
1 POUND = 5760 GRAINS

### APOTHECARIES WEIGHT

1 SCRUPLE = 20 GRAINS  
1 DRAM = 3 SCRUPLES  
1 OUNCE = 8 DRAMS  
1 POUND = 12 OUNCES  
1 DRAM = 60 GRAINS  
1 OUNCE = 480 GRAINS  
1 POUND = 5760 GRAINS

### DRY MEASURE (U.S.)

1 QUART = 2 PINTS  
1 PECK = 8 QUARTS  
1 BUSHEL = 4 PECKS  
1 BUSHEL = 32 QUARTS  
1 BARREL = 105 QUARTS

### WET MEASURE (U.S.)

1 PINT = 4 GILLS  
1 QUART = 2 PINTS  
1 GALLON = 4 QUARTS  
1 BARREL (LIQUID) = 31.5 GAL.  
1 BARREL (OIL) = 42 GALLONS

### LONG MEASURE

1 FOOT = 12 INCHES  
1 YARD = 3 FEET  
1 ROD = 5.5 YARDS  
1 FURLONG = 40 RODS  
1 STATUTE MILE = 8 FURLONGS

1 ROD = 16.5 FEET  
1 FURLONG = 660 FEET  
1 STATUTE MILE = 5280 FEET

### MARINES' MEASURE

1 FATHOM = 6.0 FEET  
1 CABLE LENGTH = 120.0 FATHOMS  
1 STATUTE MILE = 5280.0 FEET  
1 NAUTICAL MILE = 6080.2 FEET

### SQUARE MEASURE

1 SQUARE FOOT = 144 SQUARE INCHES  
1 SQUARE YARD = 9 SQUARE FEET  
1 SQUARE ROD = 30.25 SQUARE YARDS  
1 ROD = 40 SQUARE RODS  
1 ACRE = 4 ROODS  
1 SQUARE MILE = 640 ACRES  
1 ACRE = 43,560 SQUARE FEET  
1 SQUARE MILE = 27,878,400 SQ. FEET

### CUBIC MEASURE

1 CUBIC FOOT = 1728.0 CUBIC INCHES  
1 QUART (DRY) = 67.2006 CUBIC INCHES  
1 BUSHEL = 2150.42 CUBIC INCHES  
1 BARREL (DRY) = 7056.0 CUBIC INCHES  
1 QUART (LIQUID) = 57.75 CUBIC INCHES  
1 GALLON = 231.0 CUBIC INCHES  
1 BARREL (LIQUID) = 7276.5 CUBIC INCHES  
1 CUBIC YARD = 27.0 CUBIC FEET  
1 CORD = 128.0 CUBIC FEET  
1 TON (SHIPPING) = 40.0 CUBIC FEET

### METRIC WEIGHT

1 MICROGRAM = 0.001 MILLIGRAM  
1 MILLIGRAM = 0.001 GRAM  
1 CENTIGRAM = 0.01 GRAM  
1 DECIGRAM = 0.1 GRAM  
1 DECKAGRAM = 10.0 GRAMS  
1 HECTOGRAM = 100.0 GRAMS  
1 KILOGRAM = 1000.0 GRAMS  
1 METRIC TON = 1000.0 KILOGRAMS

### METRIC LINEAR MEASURE

1 MICROMETER = 0.001 MILLIMETER  
1 MILLIMETER = 0.001 METER  
1 CENTIMETER = 0.01 METER  
1 DECIMETER = 0.1 METER  
1 DEKAMETER = 10.0 METERS  
1 HECTOMETER = 100.0 METERS

1 KILOMETER = 1000.0 METERS

### METRIC SQUARE MEASURE

1 SQ. CENTIMETER = 100 SQ. MILLIMETERS  
1 SQ. DECIMETER = 100 SQ. CENTIMETERS  
1 SQUARE METER = 100 SQ. DECIMETERS  
1 ACRE = 100 SQUARE METERS  
1 HECTARE = 100 ACRE  
1 SQ. KILOMETER = 100 HECTARES  
1 SQUARE METER = 10,000 SQ.  
CENTIMETERS  
1 SQ. KILOMETER = 1,000,000  
SQUARE METERS

### METRIC CUBIC MEASURE

1 MILLILITER (CUBIC CENTIMETER) =  
1000 CUBIC MILLILITERS  
1 LITER (CUBIC DECIMETER) =  
1000 MILLILITERS  
1 HECTOLITER = 100 LITERS  
1 CUBIC METER = 10 HECTOLITERS  
1 CUBIC METER = 1000 LITERS

### MISCELLANEOUS U.S. LIQUID MEASURES AND METRIC EQUIVALENTS

1 MINIM OR DROP = 0.0616 MILLILITERS  
1 FLUID DRAM = 60 MINIMS =  
3.697 MILLILITERS  
1 FLUID OUNCE = 8 FLUID DRAMS = 29.57  
1 QUART = 32 FLUID OUNCES =  
0.9463 LITERS  
1 GALLON = 4 QUARTS = 3.785 LITERS  
1 TIERCE = 42 GALLONS =  
0.1590 CUBIC METERS  
1 HOGSHEAD = 63 GALLONS =  
2 BARRELS (LIQUID) =  
0.2385 CUBIC METERS  
1 PIPE OR BUTT = 126 GALLONS =  
4 BARRELS (LIQUID) =  
0.4770 CUBIC METERS  
1 TON = 252 GALLONS =  
8 BARRELS (LIQUID) =  
0.9539 CUBIC METERS

#### LINEAR EQUIVALENTS

INCHES	FEET	YARDS	RODS	MILES	CENTIMETERS	METERS	KILOMETERS
1.0 =	0.08333 =	0.02778 =	0.005051 =	0.00001578 =	2.54 =	0.0254 =	0.0000254
12.0 =	1.0 =	0.3333 =	0.06061 =	0.0001894 =	30.48 =	0.3048 =	0.0003048
36.0 =	3.0 =	1.0 =	0.1818 =	0.0005682 =	91.44 =	0.9144 =	0.0009144
198.0 =	16.5 =	5.5 =	1.0 =	0.003125 =	502.9 =	5.029 =	0.005029
63360.0 =	5280.0 =	1760.0 =	320.0 =	1.0 =	160900.0 =	1609.0 =	1.609
0.3937 =	0.03281 =	0.01094 =	0.001988 =	0.000006214 =	1.0 =	0.01 =	0.00001
39.37 =	3.281 =	1.094 =	0.1988 =	0.0006214 =	100.0 =	1.0 =	0.001
39370.0 =	3281.0 =	1094.0 =	198.8 =	0.6214 =	100000.0 =	1000.0 =	1.0 =

#### AREA EQUIVALENTS

SQUARE INCHES	SQUARE FEET	SQUARE YARDS	SQUARE CENTIMETERS	SQUARE MILLIMETERS	ACRES	SQUARE MILES	ACRES	HECTARES	SQUARE KILOMETERS
1.0 =	0.006944 =	0.0007716 =	6.452 =	0.0006452 =	1.0 =	0.001563 =	40.47 =	0.4047 =	0.004047
144.0 =	1.0 =	0.1111 =	929.0 =	0.0929 =	640.0 =	1.0 =	25900 =	259.0 =	2.59
1296.0 =	9.0 =	1.0 =	8361.0 =	0.8361 =	0.02471 =	0.00003861 =	1.0 =	0.01 =	0.0001
0.155 =	0.001076 =	0.0001196 =	1.0 =	0.0001 =	2.471 =	0.003861 =	100.0 =	1.0 =	0.01
1550.0 =	10.76 =	1.196 =	10000.0 =	1.0 =	247.1 =	0.3861 =	10000.0 =	100.0 =	1.0



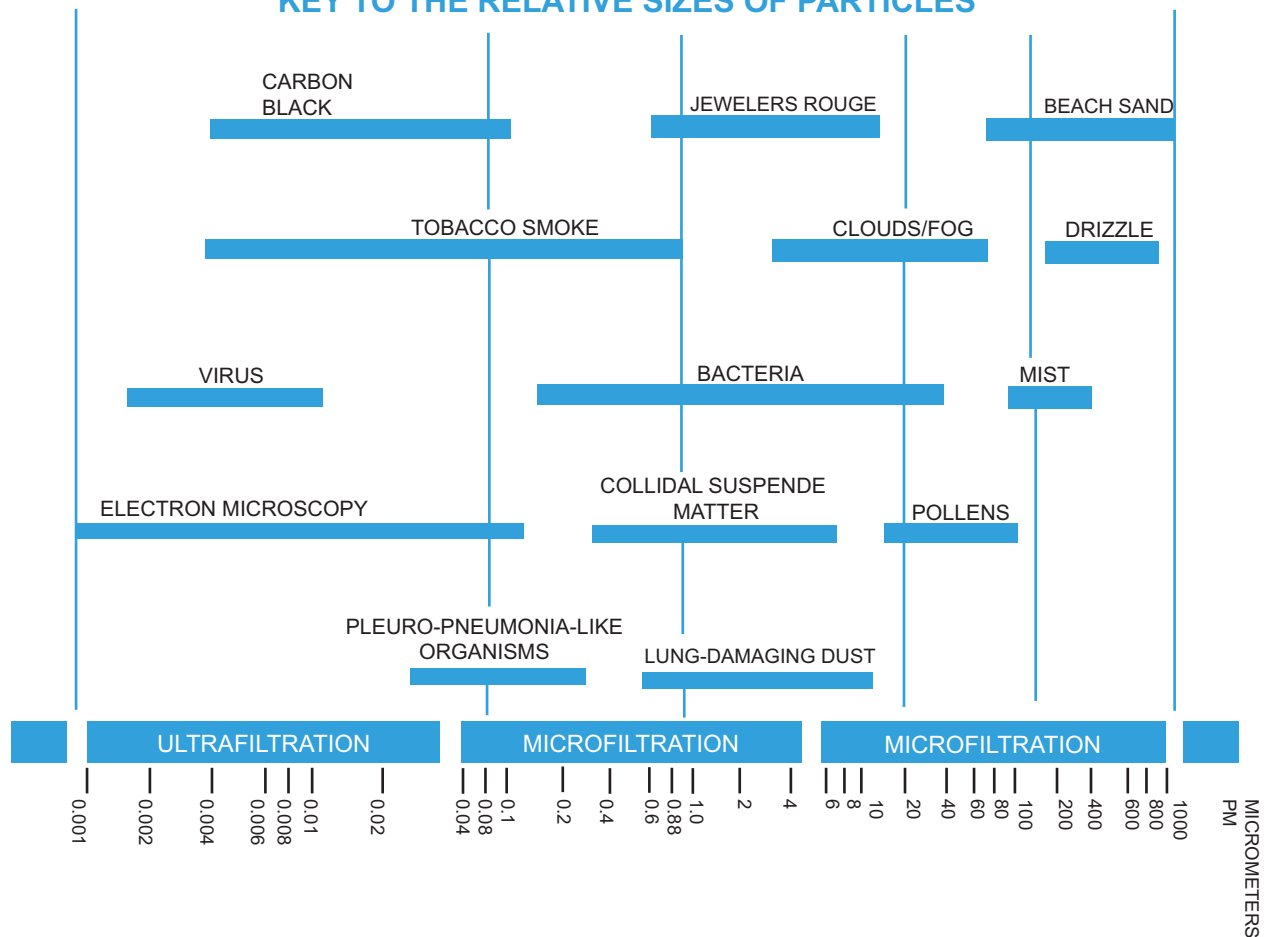
## WEIGHTS & MEASURES

VOLUME EQUIVALENTS	U.S. QUARTS	U.S. GALLONS	BRITISH IMPERIAL QUARTS	BRITISH IMPERIAL GALLONS	CUBIC INCHES	CUBIC FEET	LITERS	CUBIC METERS
	1.0 =	0.25 =	0.8327 =	0.2082 =	57.75 =	0.03342 =	0.9464 =	0.0009464
	4.0 =	1.0 =	3.331 =	0.8327 =	231.0 =	0.1337 =	3.785 =	0.003785
	1.201 =	0.3002 =	1.0 =	0.25 =	69.35 =	0.04014 =	1.137 =	0.001137
	4.804 =	1.201 =	4.0 =	1.0 =	277.4 =	0.1605 =	4.546 =	0.004546
	0.01732 =	0.004329 =	0.01442 =	0.003636 =	1.0 =	0.0005787 =	0.01639 =	0.00001639
	29.92 =	7.481 =	24.92 =	6.229 =	1728.0 =	1.0 =	28.32 =	0.02832
	1.057 =	0.2642 =	0.8799 =	0.22 =	61.02 =	0.03531 =	1.0 =	0.001
	1057.0 =	264.2 =	879.9 =	220.0 =	61020.0 =	35.31 =	1000.0 =	1.0

WEIGHT EQUIVALENTS	GRAINS	AVOIRDUPOIS OUNCES	AVOIRDUPOIS POUNDS	AVOIRDUPOIS GRAMS	KILOGRAMS	POUNDS	SHORT TONS	LONG TONS	KILOGRAMS	METRIC TONS
	1.0 =	0.002286 =	0.0001429 =	0.06480 =	0.00006480 =	1.0 =	0.0005 =	0.0004464 =	0.4536 =	0.0004536
	437.5 =	1.0 =	0.06250 =	28.35 =	0.02835 =	2000.0 =	1.0 =	0.8929 =	907.2 =	0.9072
	70000.0 =	16.0 =	1.0 =	453.6 =	0.4536 =	2240.0 =	1.120 =	1.0 =	1016.0 =	1.016
	15.43 =	0.03527 =	0.002205 =	1.0 =	0.001 =	2.205 =	0.001102 =	0.0009842 =	1.0 =	0.001
	15430.0 =	35.27 =	2.205 =	1000.0 =	1.0 =	2205.0 =	1.102 =	0.9842 =	1000.0 =	1.0

## KEY TO THE RELATIVE SIZES OF PARTICLES



## WEIGHTS & MEASURES

### CONVERSION FACTORS: ENGLISH TO METRIC

TO CONVERT FROM:	TO	MULTIPLY BY:	COLUMN 2 TO COLUMN 1 MULTIPLY BY:
ACRE-FEET	CUBIC METERS	1233	8.11 X 10 <sup>-4</sup>
CUBIC FEET (CU FT) (US)	CUBIC CENTIMETERS	28,317	3.53 X 10 <sup>-5</sup>
CUBIC FEET (CU FT) (US)	CUBIC METERS	0.028	335.31
CUBIC FEET (CU FT) (US)	LITERS	28.32	0.035
CU FT/MIN	CU CM/SEC	472	0.0021
CU FT/MIN	LITERS/SEC	0.472	2.119
CU FT/SEC	LITERS/MIN	1699	5.886 X 10 <sup>-4</sup>
CUBIC INCHES (US)	CUBIC METERS	1.64 X 10 <sup>-5</sup>	61.024
CUBIC INCHES (US)	LITERS	0.0164	61.024
CUBIC INCHES (US)	MILLILITERS (ML)	16.87	0.0610
FEET (US)	METERS	0.3048	3.281
FEET (US)	MILLIMETERS (MM)	304.8	3.28 X 10 <sup>-3</sup>
FEET/MIN	CM/SEC	0.508	1.97
FEET/MIN	KILOMETERS/HR	1.829 X 10 <sup>-2</sup>	54.68
FEET/MIN	METERS/MIN	.305	3.28
FT/SEC 2	KM/HR/SEC	1.0973	0.911
GALLONS (US)	CU CM (ML)	3785	2.64 X 10 <sup>-4</sup>
GALLONS (US)	LITERS	3.785	0.264
GAL./MIN (US)	LITERS/SEC	0.063	15.85
U.S. GAL./MIN	CU. METERS/HR.	0.227	4.4
U.S.GAL./SQ.FT./MIN	CU. METERS/HR./ SQ. METERS	2.44	0.408
GRAINS (TROY)	GRAMS	0.0648	15.432
GRAINS (TROY)	MILLIGRAMS (MG)	64.8	0.01543
GRAINS/GAL (US)	GRAMS/LITER	0.0171	58.417
GRAINS/GAL (US)	PPM	17.1	0.0584
INCHES (US)	CENTIMETERS (CM)	2.54	0.3937
INCHES (US)	MILLIMETERS (MM)	25.4	0.0394
MILES (US, STATUTE)	KILOMETERS (KM)	1.609	0.6214
MILES (US, STATUTE)	METERS	1609	6.214 X 10 <sup>-4</sup>
MILES/HR	CM/SEC	44.7	0.0224
MILES/HR	METERS/MIN	26.82	0.0373
MILES/MIN	KILOMETERS/HR	96.6	1.03 X 10 <sup>-2</sup>
OUNCES (AVOIRDUPOIS)	GRAMS	28.35	.0353
OUNCES (US FLUID)	ML	29.6	0.0338
OUNCES (US FLUID)	LITERS	0.0296	33.81
POUNDS (AV)	GRAMS	453.6	0.0022
POUNDS (AV)/SQ. IN.	KGR./CM2	0.0703	14.223
POUNDS (AV)	KILOGRAMS	0.4536	2.205
POUNDS (AV)	GRAINS	700	14.2 X 10 <sup>-5</sup>
POUNDS/CU FT	GRAMS/L	16.02	0.0624
POUNDS/FT	GRAMS/CM	14.88	0.067
POUNDS/GAL (US)	GRAMS/ML	0.12	8.345
POUNDS/GAL (US)	GRAMS/LITER	119.8	8.34 X 10 <sup>-3</sup>
QUART (US LIQ)	ML	946.3	0.001057
QUART (US LIQ)	LITERS	0.946	1.057
SQUARE FEET (US)	SQ CM	929	1.08 X 10 <sup>-3</sup>
SQUARE FEET (US)	SQ METERS	.0929	10.76
SQUARE INCHES (US)	SQ CM	6.452	0.155

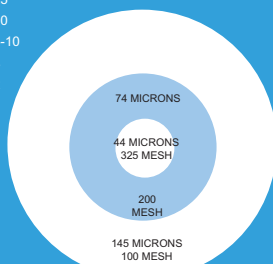
(TO CONVERT FROM THE METRIC SYSTEM TO ENGLISH SYSTEM TAKE THE RECIPROCAL OF THE FIGURES IN THE THIRD COLUMN.)

#### RELATIVE SIZE OF PARTICLES MAGNIFICATION 500 TIMES

##### MICRON COMPARISONS

SUBSTANCE	MICRONS
TABLE SALT	100
HUMAN HAIR (AVERAGE DIA.)	50-70
WHITE BLOOD CELL	25
TALCUM POWDER	10
COCOA	8-10
RED BLOOD CELL	8
BACTERIA (COCCI)	2

●	2 MICRONS
●	5 MICRONS
●	8 MICRONS
●	25 MICRONS



### FILTER EFFICIENCY

A FILTER'S EFFICIENCY IS  
A FUNCTION OF THE BETA RATIO

BETA RATIO	% EFFICIENCY
1	0
2	50
4	75
5	80
10	90
20	95
50	98
75	98.67
100	99
1000	99.90
5000	99.98
10000	99.99
INFINITY	100

### TEMPERATURE CONVERSION TABLE

°C= (F - 32) X 5/9 (OR 0.55)

°F = °C X 9/5 (OR 1.8) + 32

°F	°C	°F	°C	°F	°C
-40	-40	70	21.1	185	85.0
-35	-37.2	75	23.9	190	87.8
-30	-34.4	80	26.6	195	90.5
-25	-31.6	85	29.4	200	93.3
-20	-28.9	90	32.2	205	96.1
-15	-26.1	95	35.0	210	98.9
-10	-23.3	100	37.8	212	100.0
-5	-20.5	105	40.5	215	101.6
0	-17.78	110	43.3	220	104.4
+5	-15.0	115	46.1	225	107.2
10	-12.2	120	48.9	230	110.0
15	-9.4	125	51.6	235	112.8
20	-6.6	130	54.4	240	115.5
25	-3.9	135	57.2	245	118.3
30	-1.1	140	60.0	250	121.1
32	0	145	62.8	255	123.9
35	1.6	150	65.5	260	126.6
40	4.4	155	68.3	265	129.4
45	7.2	160	71.1	270	132.2
50	10.0	165	73.9	275	135.0
55	12.8	170	76.6	280	137.8
60	15.5	175	79.4	285	140.5
65	18.3	180	82.2	290	143.3

Liquatec

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sales@Liquatec.com  
www.Liquatec.com

## PRODUCT RETURN POLICY

**1. ACCEPTANCE** - PURCHASER MAY ACCEPT THIS DOCUMENT ("CONTRACT") BY RETURNING TO LIQUATEC ("SELLER") A SIGNED COPY OF THIS DOCUMENT, BY OTHERWISE ACKNOWLEDGING RECEIPT WITHOUT OBJECTION WITHIN A REASONABLE PERIOD OF TIME, OR BY EXPRESSING ACCEPTANCE IN ANY OTHER LEGAL MANNER, WHETHER OR NOT SUCH ACCEPTANCE CONTAINS TERMS ADDITIONAL TO OR DIFFERENT FROM THOSE STATED HEREIN; PROVIDED THAT SELLER OBJECTS TO AND REJECTS ANY SUCH DIFFERENT OR ADDITIONAL PROVISIONS, SUCH PROVISIONS SHALL NOT BE A PART OF THE CONTRACT BETWEEN THE PARTIES. IF PURCHASER SHALL DEEM THIS CONTRACT AN ACCEPTANCE OF A PRIOR OFFER, SUCH ACCEPTANCE IS LIMITED TO THE EXPRESS TERMS CONTAINED ON THE FACE AND THE BACK HEREOF. ADDITIONAL OR DIFFERENT TERMS OR ANY ATTEMPT BY PURCHASER TO VARY IN ANY DEGREE ANY OF THE TERMS OF THIS ORDER SHALL BE DEEMED MATERIAL AND ARE REJECTED. HOWEVER, THIS CONTRACT SHALL NOT OPERATE AS A REJECTION OF THE PURCHASER'S OFFER UNLESS IT CONTAINS VARIANCES IN THE TERMS OF THE DESCRIPTION, QUANTITY, PRICE, OR DELIVERY SCHEDULE OF THE ITEMS.

**2. SHIPPING** - THE ESTIMATED SHIPPING DATE IS BASED ON PRODUCTION TIME REQUIRED TO PROCESS THE ORDER COMMENCING WITH THE DATE SELLER RECEIVES THE ORDER. IN THE EVENT IT IS NECESSARY TO REVISE THE DESIGN, SPECIFICATIONS, OR THIS CONTRACT, THE SHIPPING DATE SHALL BE EXTENDED BY THE PERIOD OF TIME REQUIRED TO ACHIEVE THE MUTUALLY AGREED UPON CORRECTIONS OR ADJUSTMENTS. THE SELLER RESERVES THE RIGHT TO MAKE PARTIAL SHIPMENTS. "SHIPPING DATE" REFERS TO THE DATE THE ORDER LEAVES SELLER'S DOCK; IT DOES NOT TAKE INTO CONSIDERATION THE TRANSIT TIME REQUIRED TO DELIVER THE PRODUCT BETWEEN THE SELLER'S DOCK AND THE PURCHASER.

**3. DELAYS IN SHIPPING (FORCE MAJEURE)** - THE PURCHASER SHALL NOT HOLD SELLER RESPONSIBLE FOR ANY DELAY OR FOR ANY DAMAGES SUFFERED BY THE PURCHASER BY REASON OF ANY DELAY DUE TO FIRES, STRIKES, RIOTS, ACTS OF GOD, PRIORITIES, GOVERNMENT ORDERS OR RESTRICTIONS, DELAYS IN TRANSPORTATION, DELAYS BY SUPPLIERS OF MATERIALS OR PARTS, INABILITY TO OBTAIN NECESSARY LABOR, OR OTHER CAUSES BEYOND THE CONTROL OF SELLER, SELLER'S SUPPLIERS OR SELLER'S SUBCONTRACTORS. IN THE EVENT OF SUCH DELAY, (A) THE TIME FOR SELLER'S PERFORMANCE SHALL BE REASONABLY EXTENDED; (B) BOTH PARTIES SHALL TAKE REASONABLE STEPS TO ADJUST ALL AFFECTED DATES IN THE ORDER; AND (C) A PURCHASE PRICE ADJUSTMENT SHALL BE MADE FOR ADDITIONAL COSTS INCURRED BY SELLER.

**4. DAMAGE OR LOSS IN TRANSIT** - DELIVERY OF GOODS TO A CARRIER AT SELLER'S PLANT OR OTHER SHIPPING POINT SHALL CONSTITUTE DELIVERY. REGARDLESS OF FREIGHT PAYMENT, ALL RISK OF LOSS OR DAMAGE IN TRANSIT SHALL PASS TO PURCHASER AT THE TIME. PURCHASER SHALL MAKE CLAIMS FOR LOSS OR DAMAGE TO GOODS WHILE IN TRANSIT AGAINST THE CARRIER; SELLER WILL ASSIST PURCHASER IN SECURING SATISFACTORY ADJUSTMENT OF SUCH CLAIMS. SHORTAGES OR DAMAGES MUST BE IDENTIFIED AND SIGNED FOR AT THE TIME OF DELIVERY. IF ANY CONCEALED LOSS OR DAMAGE IS DISCOVERED, NOTIFY YOUR FREIGHT AGENT WITHIN 48 HOURS AND REQUEST AND INSPECTION. TERMS ARE F.O.B. SELLER'S DOCK.

**5. WARRANTIES** - SELLER MAKES NO REPRESENTATIONS OR WARRANTIES EXCEPT THAT SELLER WARRANTS THAT ALL GOODS MANUFACTURED BY IT SHALL BE FREE FROM MATERIAL DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SHIPMENT TO PURCHASER. IF WITHIN SUCH ONE-YEAR PERIOD, SUCH GOODS SHALL BE PROVEN TO BE MATERIALLY DEFECTIVE TO SELLER'S REASONABLE SATISFACTION, THEN SUCH DEFECTIVE GOODS SHALL BE REPAIRED OR REPLACED, AT SELLER'S SOLE OPTION. SUCH CORRECTIONS OR REPLACEMENTS SHALL CONSTITUTE A FULFILLMENT OF ALL LIABILITIES IN RESPECT OF SUCH GOODS. THE WARRANTY FOR ALL GOODS SOLD BY SELLER BUT MANUFACTURED BY OTHERS SHALL BE THE WARRANTY PROVIDED BY SUCH MANUFACTURER FOR SUCH GOODS. SELLER SHALL TAKE ALL REASONABLY COMMERCIAL EFFORTS (OTHER THAN THE PAYMENT OF MONEY) TO PROVIDE THE MANUFACTURER'S WARRANTY TO PURCHASER.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER (EITHER IN FACT OR BY OPERATION OF LAW), INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

SELLER IS NOT LIABLE FOR DAMAGE TO GOODS, PROPERTY OR PERSONS ARISING OUT OF THE IMPROPER INSTALLATION OF SUCH GOODS; MODIFICATION, REPAIR OR TAMPERING BY ANYONE OTHER THAN SELLER OF SUCH GOODS; MISUSE OF THE GOODS; OR UTILIZATION OF THE GOODS UNDER CONDITIONS, WHICH EXCEED SPECIFICATIONS FOR SUCH GOODS.

THE PARTIES EXPRESSLY AGREE THAT THE LIMITATIONS OF INCIDENTAL AND CONSEQUENTIAL DAMAGES SET FORTH HEREIN ARE AGREED ALLOCATIONS OF RISK AND SHALL SURVIVE THE DETERMINATION OF ANY COURT OF COMPETENT JURISDICTION THAT ANY REMEDY HEREIN FAILS OF ITS ESSENTIAL PURPOSE.

**6. LIABILITY** - SELLER SHALL HAVE NO LIABILITY TO ANY PERSON FOR PUNITIVE, INDIRECT, SPECIAL, INCIDENTAL, CONTINGENT OR CONSEQUENTIAL DAMAGES OF ANY DESCRIPTION OR LOSS OF USE, REVENUE OR PROFITS, WHETHER ARISING OUT OF WARRANTY OR OTHER CONTRACT, NEGLIGENCE OR OTHER TORT, OR OTHERWISE.

**7. DESCRIPTION OF GOODS** - THIS CONTRACT APPLIES ONLY TO THE GOODS DESCRIBED HEREIN. THE ONLY SPECIFICATIONS, WHICH ARE A PART OF THIS CONTRACT, ARE THOSE WRITTEN SPECIFICATION WHICH ARE ACKNOWLEDGED IN WRITING BY SELLER AND WHICH SELLER HAS INITIALED AND ATTACHED HERETO OR OTHERWISE CLEARLY IDENTIFIED WITH THIS CONTRACT. ALL OTHER

DOCUMENTS DESCRIBING OR SETTING FORTH CHARACTERISTICS OR SPECIFICATIONS FOR THE GOODS AND ALL SAMPLES OR DEMONSTRATION MODELS THEREOF ARE INTENDED ONLY TO PROVIDE PURCHASER WITH A GENERAL IDEAL ABOUT THE GOODS. PURCHASER ACKNOWLEDGES THAT SUCH SPECIFICATIONS DO NOT CONSTITUTE A PART OF THIS CONTRACT OR ANY OTHER CONTRACT BETWEEN THE PARTIES AND ARE EXCLUDED FROM THIS CONTRACT.

**8. TERMS** - PAYMENT IS DUE FROM DATE OF INVOICE IN U.S. FUNDS ACCORDING TO THE TERMS ON EACH INVOICE. INTEREST ON PAST DUE BALANCES AT THE RATE 18% PER ANNUM. PURCHASER SHALL BE LIABLE FOR SELLER'S COSTS OF COLLECTION, INCLUDING, WITHOUT LIMITATION, REASONABLE ATTORNEYS' FEES.

**9. PRICES AND QUOTATIONS** - ORDERS ARE ACCEPTED WITH UNDERSTANDING THAT THE GOODS WILL BE BILLED AT PRICE IN EFFECT AT TIME OF ORDER, UNLESS OTHERWISE SPECIFIED IN APPROVED WRITTEN QUOTATION BY SELLER. THE PRICE AND PERFORMANCE OF THIS ORDER IS SUBJECT TO RESOURCE AVAILABILITY AND COSTS WITHIN THE CONTROL OF SELLER AT THE TIME OF MANUFACTURE. SELLER RESERVES THE RIGHT TO CANCEL OR ADJUST PRICES AND DELIVERY WITHOUT NOTICE. ANY PRICE DISCREPANCY ON ORDERS WILL REQUIRE A REVISED PURCHASE ORDER FROM PURCHASER.

**10. FREIGHT** - TERMS OF SHIPMENT ARE F.O.B. SELLER'S DOCK. PURCHASE ORDERS MUST SPECIFY PREFERRED CARRIER OR ORDER WILL BE SHIPPED VIA BEST WAY, PREPAY AND ADD TO THE INVOICE IF ADDITIONAL SERVICES ARE REQUESTED, CHARGES ARE THE RESPONSIBILITY OF THE CUSTOMER. ADDITIONAL SERVICES INCLUDED BUT ARE NOT LIMITED TO THE FOLLOWING: LIFT-GATE EQUIPMENT, DRIVER UNLOAD, DRIVER DETENTION, SORT AND SEGREGATE, RE-DELIVERY, STORAGE, PALLETIZING, CALL FOR APPOINTMENT SERVICES, SPECIAL HANDLING OF HAZARDOUS MATERIAL, etc.

**11. CANCELLATION** - PURCHASER MAY CANCEL ORDERS ONLY UPON REASONABLE ADVANCE WRITTEN NOTICE, WITH AGREEMENT OF CANCELLATION BY SELLER, AND UPON PAYMENT TO SELLER OF SELLER'S CANCELLATION CHARGES WHICH INCLUDE, BUT ARE NOT LIMITED TO ALL COSTS AND EXPENSES INCURRED, AND TO COVER COMMITMENTS MADE (INCLUDING ANY RAW MATERIALS OR OTHER COMMITMENTS), BY THE SELLER AND A REASONABLE PROFIT THEREON. SELLER'S DETERMINATION CHARGES SHALL BE CONCLUSIVE.

**12. ENGINEERING AND DESIGN CHANGES** - SELLER RESERVES THE RIGHT TO MAKE DESIGN, SPECIFICATION AND/OR ENGINEERING CHANGES TO ITS PRODUCTS WITHOUT PRIOR NOTIFICATION UNLESS A WRITTEN AGREEMENT BETWEEN SELLER AND PURCHASER EXISTS AS TO THE DESIGN, SPECIFICATION AND/OR ENGINEERING OF THE PRODUCT, TITLE TO, AND FULL AND UNRESTRICTED OWNERSHIP AND RIGHT TO USE ALL DESIGNS, SPECIFICATIONS AND ENGINEERING INFORMATION PROVIDED BY SELLER SHALL AT ALL TIMES BE AND REMAIN VESTED IN SELLER.

**13. RETURNED GOODS** - AUTHORIZATION AND SHIPPING INSTRUCTIONS FOR THE RETURN OF ANY SALABLE GOODS MUST FIRST BE OBTAINED BY THE PURCHASER FROM SELLER, OTHERWISE SHIPMENT WILL BE REFUSED. THE RETURN OF PRODUCT IS LIMITED TO NO LONGER THAN ONE (1) YEAR FROM THE DATE OF PURCHASE, VERIFIED BY INVOICE. GOODS BUILT TO A CUSTOMER'S OR PURCHASER'S SPECIFICATIONS OR SPECIAL ORDERED CANNOT BE RETURNED FOR CREDIT. ANY PRODUCT RETURNED IN ANYTHING BUT SALABLE CONDITION WILL BE REFUSED AND RETURNED TO THE PURCHASER AT THE PURCHASER'S COST. A 25% RESTOCKING CHARGE WILL BE DEDUCTED FROM OUR CREDIT MEMORANDUM ON THE RETURNED GOODS. TRANSPORTATION CHARGES ON THE RETURNED GOODS MUST BE PREPAID AND ARE THE RESPONSIBILITY OF THE PURCHASER. ANY COST IN EXCESS OF 25% RESTOCKING CHARGE INCURRED IN PLACING THE GOODS IN SALABLE CONDITION WILL BE CHARGED TO THE PURCHASER BY A CORRESPONDING DEDUCTION FROM THE ALLOWED CREDIT. GOODS RETURNED FOR CREDIT MUST BE CAREFULLY PACKED SO AS TO REACH SELLER WITHOUT DAMAGE. IF THE RETURN OF OUR GOODS IS MADE NECESSARY THROUGH SOME FAULT OF SELLER, FULL CREDIT WILL BE ALLOWED, INCLUDING WHATEVER TRANSPORTATION EXPENSE THE PURCHASER MAY HAVE INCURRED, PROVIDED THAT THE RETURN HAS BEEN AUTHORIZED BY SELLER IN WRITING AND IS IN ACCORDANCE WITH THE PACKING AND SHIPPING INSTRUCTIONS.

**14. TAXES AND OTHER CHARGES** - ANY MANUFACTURER'S TAX, RETAILER'S OCCUPATION TAX, SALES TAX, EXCISE TAX, DUTY, CUSTOM, INSPECTION OR TESTING FEE, OR OTHER TAX, FEE OR CHANGE OF ANY NATURE WHATSOEVER, IMPOSED BY ANY GOVERNMENTAL AUTHORITY ON OR MEASURED BY ANY TRANSACTION BETWEEN SELLER AND PURCHASER, SHALL BE PAID BY PURCHASER IN ADDITION TO THE PRICES QUOTED OR INVOICED.



**15. PENALTY CLAUSE** - NO PENALTY CLAUSE OF ANY DESCRIPTION, IN ANY SPECIFICATION OR ORDER, WILL BE EFFECTIVE UNLESS APPROVED IN WRITING BY THE SIGNATURE OF A DULY AUTHORIZED OFFICER OF SELLER.

**16. ERRORS** - ALL TECHNICAL ERRORS BY THE SELLER ARE SUBJECT TO CORRECTION.

**17. GENERAL** - THIS CONTRACT CONSTITUTES THE ENTIRE AGREEMENT BETWEEN THE PARTIES RELATING TO THE SALE OF GOODS DESCRIBED HEREIN AND SUPERSEDES ANY AND ALL PRIOR ORAL WRITTEN UNDERSTANDINGS. NO ADDITION TO OR MODIFICATION OF ANY PROVISION SHALL BE BINDING UPON SELLER, AND SELLER SHALL NOT BE DEEMED TO HAVE WAIVED ANY PROVISION HEREOF SHALL BE BINDING UPON SELLER, AND SELLER SHALL NOT BE DEEMED TO WAIVE ANY PROVISION HEREOF OR ANY REMEDY AVAILABLE TO IT UNLESS SUCH ADDITION, MODIFICATION OR WAIVER IS IN WRITING AND SIGNED BY A DULY AUTHORIZED OFFICER OF SELLER. THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH UNIFORM COMMERCIAL CODE AS ADOPTED IN THE STATE OF CALIFORNIA. THIS CONTRACT SHALL BE DEEMED TO HAVE BEEN MADE IN AND SHALL

BE CONSTRUCTED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF CALIFORNIA, WITHOUT REGARD TO THE CONFLICT OF LAW PROVISIONS THEREOF, AND SHALL BE SUBJECT TO THE EXCLUSIVE JURISDICTION OF THE STATE AND FEDERAL COURTS SITTING IN THE STATE OF CALIFORNIA.

## PRODUCT RETURN POLICY

ANY ITEM TO BE RETURN REQUIRES PRIOR AUTHORIZATION FROM SELLER'S CUSTOMER SERVICE DEPARTMENT, BY PHONE (909 627-99-35) OR FAX (909 627-9959), REQUESTS FOR RETURNS OF MERCHANDISE (OTHER THEN MATERIALLY DEFECTIVE MERCHANDISE) MUST BE WITHIN ONE (1) YEAR FROM THE DATE OF THE SELLER'S INVOICE DATE. **THE PURCHASER'S ORDER NUMBER OR SELLER'S INVOICE NUMBER MUST BE PROVIDED WHEN REQUESTING THE AUTHORIZATION.** SELLER MUST HAVE AN INVOICE ON FILE FOR THE PRODUCT REQUESTED TO BE RETURNED. SELLER RESERVES THE RIGHT TO DENY REQUESTED PRODUCT RETURNS. APPROVED RETURNS WILL BE ISSUED A RETURN AUTHORIZATION NUMBER (RA#) FROM SELLER'S CUSTOMER SERVICE DEPARTMENT. PRODUCT RETURNED WITHOUT PRIOR AUTHORIZATION BY SELLER WILL BE REFUSED. APPROVED RETURNS WILL BE GIVEN A RETURN AUTHORIZATION NUMBER (RA#). THE (RA#) MUST BE PLAINLY DISPLAYED ON THE OUTSIDE OF THE PARCEL OR PARCELS BEING RETURNED OR PACKAGES WILL BE REFUSED. PRODUCT MUST BE RETURNED WITHIN SIXTY (60) DAYS UPON ISSUANCE OF THE RA#. IF PRODUCT IS NOT RETURNED WITHIN SIXTY (60) DAYS, THE RA# WILL BE VOID AND ANY PACKAGES RETURNED WILL BE REFUSED. ITEMS SAID TO BE DEFECTIVE WILL BE SUBMITTED TO SELLER'S QUALITY CONTROL DEPARTMENT FOR EVALUATION AND, IF DETERMINED TO BE A MATERIAL MANUFACTURING DEFECT, CREDIT OR A REPLACEMENT WILL BE ISSUED AS SELLER'S OPTION. ITEMS SENT OUT INCORRECTLY BY SELLER WILL BE CREDITED UPON RETURN OF THE PRODUCT. A REPLACEMENT ORDER WILL BE SENT UPON REQUEST BY PURCHASER. ITEMS TO BE RETURNED AS A RESULT OF OVER-STOCK, BEING INCORRECTLY ORDERED, ON AN ORDER CANCELLED BY PURCHASER, WILL BE ASSESSED A 25% RE-STOCKING CHARGE AND THE COMPANY SENDING THE RETURNS WILL BE RESPONSIBLE FOR RETURN FREIGHT CHARGES. ALL ITEMS RETURNED, WITH THE EXCEPTION OF GOODS CLAIMED MATERIALLY DEFECTIVE MUST BE IN EVEN CASE LOTS, IN THEIR ORIGINAL PACKAGING, AND IN NEW AND UNUSED CONDITION. ANY PRODUCT RETURNED FAILING TO MEET THE ABOVE GUIDELINES WILL BE DESTROYED WITH NO CREDIT ISSUED. ANY ITEMS RETURNED TO SELLER WITHUOUT SELLER'S AUTHORIZATION OR A RETURN AUTHORIZATION NUMBER WILL BE REFUSED.

FOR FURTHER QUESTIONS REGARDING THIS POLICY, CONTACT THE SALES DEPARTMENT AT (909) 627-9935

## ADDITIONAL CONDITIONS AND NOTES

1. ALL LIST PRICES ARE QUOTED IN US DOLLARS.
2. **MINIMUM ORDER VALUE - \$100 NET** F.O.B. CHINO, CA FREIGHT COLLECT THE MINIMUM ORDER AMOUNT VALUE IS \$200.00 NET SHIPPING TO ONE (1) LOCATION. ACCEPTED EMERGENCY ORDERS WILL RECEIVE A MINIMUM ORDER CHARGE (DIFFERENCE BETWEEN \$100 MINIMUM AND ORDER TOTAL).
3. **SPECIAL HANDLING SERVICE** -ORDERS REQUIRING SPECIAL HANDLING ARE SUBJECT TO APPROVAL BY LIQUATEC CUSTOMER SERVICE DEPARTMENT. A CHARGE OF \$50 MAY BE APPLIED TO ACCEPTED ORDERS REQUIRING "SPECIAL HANDLING" (e.g. DROP SHIPMENTS, EXPEDITED/RUSH SHIPMENTS, etc.). FREIGHT TERMS FOR DROP SHIP ORDERS WILL BE EITHER PRE-PAY AND ADD OR 3RD PARTY BILLING TO SOLD TO CUSTOMER. ONLY LIQUATEC PACKING SLIPS WILL ACCOMPANY THE SHIPMENT. LIQUATEC RESERVES THE RIGHT TO REFUSE REQUESTS TO DROP SHIP ORDERS OR SPECIAL HANDLING REQUESTS.
4. PRODUCT SOLD IN CASE LOT QUANTITIES ONLY. CONTACT DISTRIBUTORS FOR PRICE AND AVAILABILITY OF LESSER QUANTITIES.
5. HOUSINGS AND SYSTEMS ARE PRICED WITHOUT CARTRIDGES UNLESS STATED OTHERWISE.
6. NOMINAL MICRON RATINGS ARE BASED ON AVERAGE VALUES OBTAINED IN COMMERCIAL PRODUCTION AND ARE NOT INTENDED FOR SPECIFICATION PURPOSE.
7. FOR INFORMATION ON ADDITIONAL PRODUCT AVAILABILITY, CONTACT OUR SALES DEPARTMENT.

**WARNING:** DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE UNIT. SYSTEMS CERTIFIED FOR CYST REDUCTION MAY BE USED ON DISINFECTED WATER THAT MAY CONTAIN FILTERABLE CYSTS.

**CAUTION:** FILTER MUST BE PROTECTED AGAINST FREEZING WHICH CAN CAUSE CRACKING OF THE FILTER AND RESULT IN WATER LEAKAGE.

**CAUTION:** FILTER SHOULD NOT BE INSTALLED WHERE EXPOSED TO DIRECT SUNLIGHT.

**CAUTION:** DO NOT EXPOSE CLEAR HOUSINGS TO ORGANIC SOLVENTS AS THOSE FOUND IN AEROSOL SPRAYS, CLEANING PRODUCTS, OR INSECTICIDES. SUCH EXPOSURE MAY CAUSE FILTER DAMAGE, FAILURE, CRACKING AND LEAKAGE.

**NOTE:** A DRINKING WATER CARTRIDGE MAY CONTAIN CARBON FINES (VERY FINE BLACK POWDER). AFTER INSTALLATION, FLUSH THE CARTIRDGE WITH SUFFICIENT WATER TO REMOVE FINES BEFORE USING WATER. RUN TAP AT LEAST 20 SECONDS PRIOR WATER FOR DRINKING OR COOKING PURPOSES.

**NOTE:** SOME HARMLESS BACTERIA MAY ATTACK CELLULOSE MEDIA CARTRIDGES. IF CARTRIDGE APPEARS TO DISINTEGRATE, OR HAS A "MUSTY" OR "MOLDY" ODOR, SWITCH TO A SYNTHETIC MEDIA CARTRIDGE OR CONSULT MANUFACTURER.

**NOTE:** FILTER CARTRIDGES HAVE A LIMITED SERVICE LIFE. CHANGES IN TASTE, ODOR, COLOR, AND/OR FLOW, MAY INDICATE CARTRIDGE NEEDS REPLACING.

WE RESERVE THE RIGHT TO CHANGE DESIGN, SPECIFICATIONS OR PRICE WITHOUT NOTICE.

Liquatec

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