

TECHNICAL INFORMATION

Cleaning Requirements

All wire mesh elements can be easily cleaned or replaced, without removing the entire strainer from the line, by removing the bowl. Do not use chemicals incompatible with the plastic components for cleaning.

Filter Shipments

In-line strainers can be shipped either as complete assemblies or as individual components. Strainers are shipped bulk unless otherwise quoted.

Mounting

Strainers may be mounted in any orientation providing that they are adequately supported to protect from undue stress and vibration.

Pressure Ratings

All of Ron-Vik's in-line strainer assemblies have been proven to perform at pressures up to 150 PSI at 70°F and 100 PSI at 125°F.

Pressure Spikes

Ron-Vik in-line strainers are not intended for applications where pressure spikes in excess of maximum pressure ratings can be expected.

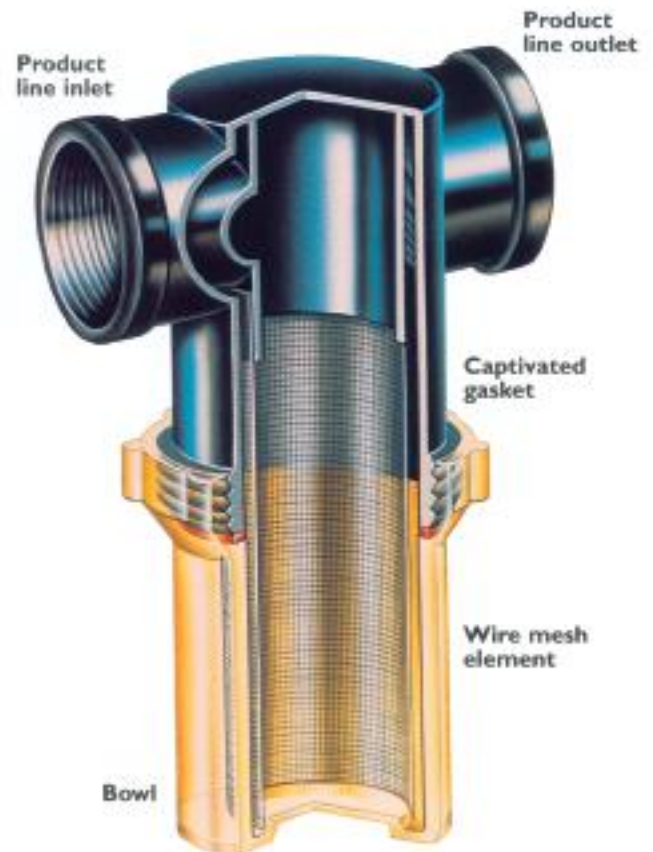
NSF

Most of Ron-Vik's in-line strainers are eligible for NSF certification as part of your product. They are not individually NSF certified. Please contact us for specific information.

Custom In-Line Strainers*

- Company name or logo molded on the top
- Color of the material for the top and bowl
- Thread size on the ports of the top
- Mesh size of the screen
- End treatment of screen

* Minimum order quantities and additional charges including engineering may apply.



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Fitness for Use and Sellers Liability

The user is responsible for determining whether the Ron-Vik product is fit for a particular purpose and is suitable for the user's method of functional application. It is essential that the user evaluate the Ron-Vik product by inspection and/or testing to assure that the product meets all the design specifications/validation criteria.

Ron-Vik's liability shall be limited to the stated selling price of any defective goods, and shall in no way include purchaser's lost profits or goodwill or any other special or consequential damages incurred by the purchaser.

IN-LINE STRAINERS

Ron-Vik in-line strainers have been the industry standard for cost effective straining and filtering since they were introduced over thirty years ago. Applications are wide ranging and include: agricultural sprayers, pressure washers, floor scrubbers, drinking water pre-filters, medical devices and car washes.

- Available in many different sizes from 1/8" to 1 1/2"
- Female, male, hose barb and quick connect ports
- Materials include 6/6 nylon, 20% glass filled polypropylene and clear nylon (for bowls)
- Elements available in 20, 40 or 80 mesh T304 stainless steel, caged synthetic screens or 70 micron PE
- 3 standard gasket materials

Customization Available

- Company name or logo molded on the top
- Color of the material for the top and bowl
- Thread size on the ports of the top
- Mesh size of the screen
- End treatment of screen

Custom injection molded parts require a 1,000 piece minimum. The minimum for custom screens alone is 100 pieces. There may be additional charges for engineering costs.



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manufacture
QUALITY

TOPS

In-line strainer tops are available in either black 20% glass filled polypropylene or white 6/6 nylon materials. Ron-Vik offers a variety of port types and sizes.

Male NPT - available in 1/8", 1/4", 3/8" and 1/2"

Female NPT - available in 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4" and 1 1/2"

Hosebarb - available in 3/16", 1/4", 3/8", 1/2" 5/8" and 3/4"

Quick connect fitting - available for 1/4" and 3/8" OD tubing

Existing tooling available for reversed arrow direction, and BSP threads. Minimums apply.

USAGE	TOPS & BOWLS	TOPS & BOWLS	BOWLS ONLY
	20%glass filled Polypropylene	6/6 Nylon	Nylon
Color	Black	White	Transparent
Pressure Rating	150 PSI@70°F 100 PSI@125°F	150 PSI@70°F 100 PSI@125°F	150 PSI@70°F 100 PS@125°F
Chemical Compatibility*	Resistant to mineral acids, salt solutions and solvents.	Resistant to hydrocarbons, aromatic solvents, fuels, motor oils and refrigerants.	Resistant to solvents, alkalis and salt solutions. Not for use with alcohol

*Consult customer service for more detailed information and caveats

BOWLS

Ron-Vik offers four sizes of bowls, one for each of the product series. The top-bowl connection is a buttress thread to prevent cross threading.

For application flexibility, the bowls are offered in 20% glass filled polypropylene, 6/6 nylon and clear nylon.

The chart below outlines the major differences between these materials. Chemical compatibility for your individual use should also be confirmed.



ELEMENTS

Ron-Vik offers three types of elements:

- Wire mesh screen - the most common element, utilized in all in-line strainer assemblies. Standard mesh sizes are 20, 40 and 80. For strainer area please see the corresponding series data. Options include:
 - Type 304 stainless steel is standard, however, Type 316 stainless steel and monel are also offered
 - Edges can be hemmed, soldered or molded with PVC
 - Finer mesh reinforced with a back up screen
- Color coded synthetic caged screens available in 20, 40 and 80 mesh in both polypropylene and nylon (only available in Regular Series).
- Polyethylene filter (PE) - offered for the low profile, intermediate and large series. This filter is rated at 70 microns and is depth type filter making it non-cleanable.

Standard Screens

Mesh Count	Micron Nominal
20x20	915
40x36	480
80x80*	178
PE	70

* Comes with a 20x20 support screen on intermediate and large size stainless steel elements.

GASKETS

Three gasket materials are offered to meet the various needs of Ron-Vik's customers. The gaskets are color coded to eliminate confusion when ordering replacements. The chart outlines the basic characteristics of the gaskets.

	Buna (Nitrile)	EPDM (Ethylene Propylene)	Viton (Fluoroelastomer)
Color	Black	Red	Green
Compression Set	Good	Good to Excellent	Fair
Temperature Minimum	0°F	-40°F	10°F
Chemical Compatibility*	Not resistant to ozone or strong acids.	Not resistant to petroleum fluids.	Not for use with hot water.

*Consult customer service for more detailed information





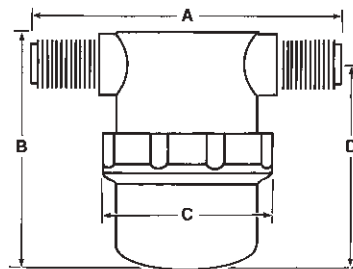
LOW PROFILE AND MINI SERIES

Low profile in-line strainers require a minimum amount of space. To increase filter area the low profile tops can be matched with a longer bowl, (referred to as the Mini Series). Common applications for these strainers include home water treatment systems, floor cleaning equipment, and medical supply. The chart below shows reference dimensions for assemblies.

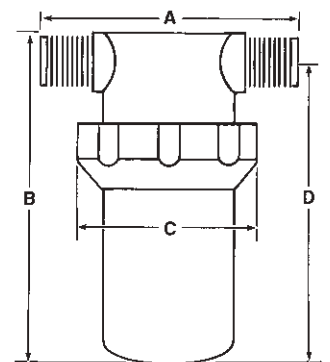
Port Design	A	B	C	D	Filter Area
Female 1/8" 1/4" 3/8" 1/2" Quick Connect* 1/4" 3/8"	3.00	2.67	1.89	2.00	3.95 SQ IN
Male 1/8" 1/4" 3/8" 1/2" Hose Barb* 3/16" 1/4" 3/8" 1/2"	3.00	2.42	1.89	1.96	3.95 SQ IN
Mini Series* 1/8" 1/4" 3/8" 1/2"	3.00	3.75	1.89	3.29	7.71 SQ IN

Dimensions are for reference purposes only
*Requires a 100 piece minimum

Low-Profile Series



Mini Series



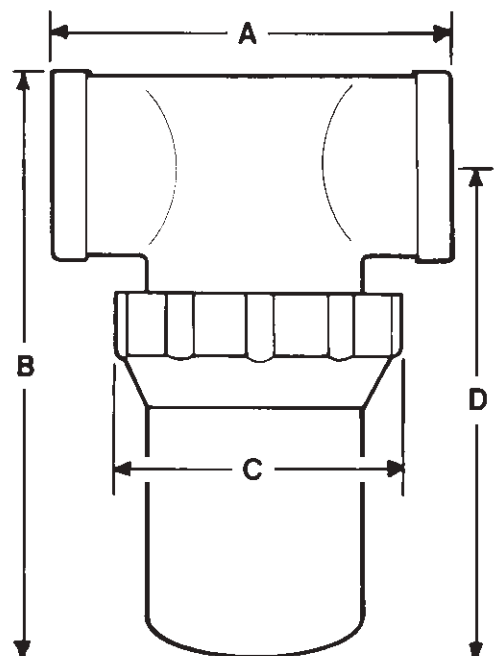
REGULAR SERIES

This series is the most commonly used due to compact size yet large filter area. Some of the applications for this series include, dental supply, commercial and industrial pumps, agricultural and marine. The standard port is NPT. This series is also available with Hosebarb, BSP (Higher minimums apply).

Port Design	A	B	C	D	Filter Area
Female NPT 3/8" 1/2" 3/4" Hosebarb* 3/4"	3.58	5.38	2.90	4.70	17.33 SQ IN
Female NPT 1"	4.12	5.75	2.92	4.83	17.33 SQ IN

Dimensions are for reference purposes only
*Contact your Ron-Vik sales representative for a quotation

Regular / Large Series



LARGE SERIES

This series is our largest capacity strainers. They are used primarily in the same applications as the intermediate series, where increased flow rate and filtration area is required. Available in port sizes from 1" to 1-1/2".

Port Design	A	B	C	D	Filter Area
Female NPT 1"	4.95	6.40	4.00	5.55	29.73 SQ IN
Female NPT 1 1/4"	4.95	7.13	4.00	6.10	31.84 SQ IN
Female NPT 1 1/2"	5.10	8.10	4.00	6.90	38.27 SQ IN

Dimensions are for reference purposes only