

# Rivulis F6400

## Plastic Screen Filter (Semi-Automatic)



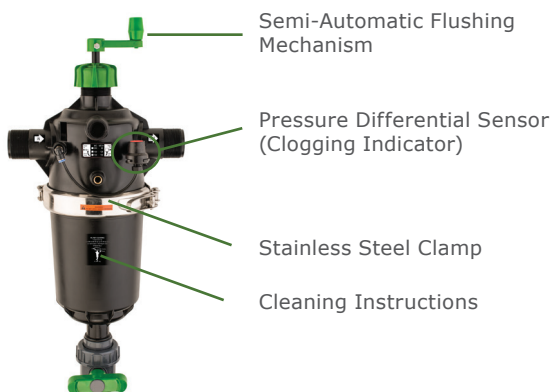
### Product Features

- Semi-auto flushing
- Large stainless steel screen
- Large clogging indicator
- Stainless steel clamps

### Operating Guidelines

- Maximum working pressure: 10,0 bar
- Minimum flushing pressure: 1,5 bar

The F6400 Plastic Screen Filter is an ideal choice as a primary filter in a small irrigation system or as a back-up field zone filter. The F6400 Plastic Screen Filter has several key features including a large stainless steel screen, a pressure differential sensor (clogging indicator), a stainless steel clamp and a simple to operate flushing mechanism. The large pressure differential sensor provides the user the ability to easily view the level of clogging or the pressure differential across the screen. The large 316 stainless steel screen reduces maintenance and provides longer service times before flushing intervals. The stainless steel clamp and the semi-auto flushing mechanism are both durable and easy to use.

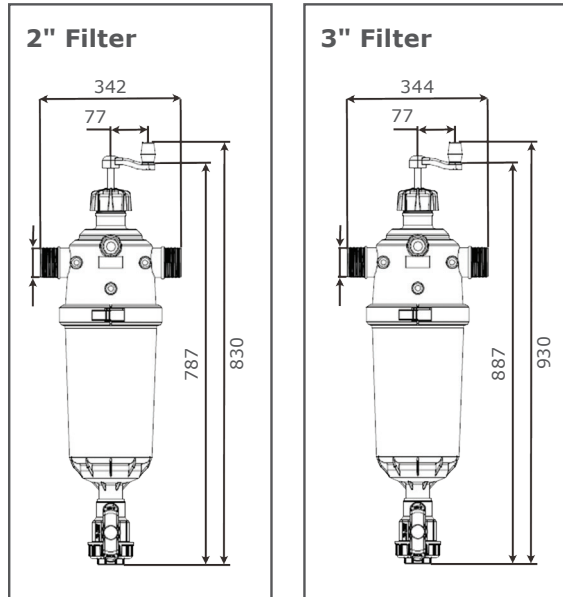


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## Product line summary

Diameter (inch)	Body type	Connectors	Max. Flow rate (m <sup>3</sup> /h)	Screen area (cm <sup>2</sup> )	Screen choices (micron)	Screen type
2	In-Line	BSP, NPT	25	554	100, 130, 200	Stainless steel (316 woven wire)
3	In-Line	BSP, NPT	40	831	100, 130, 200	Stainless steel (316 woven wire)

## Filter Dimensions (mm)



## Flushing Instructions

Flushing (cleaning) of the filter must be done when the pressure differential across the screen reaches 0,5kg/cm<sup>2</sup> (7 PSI) or when the clogging indicator (red button) pops up. The filter must be under pressure with a minimum downstream pressure of 1,5 bar.

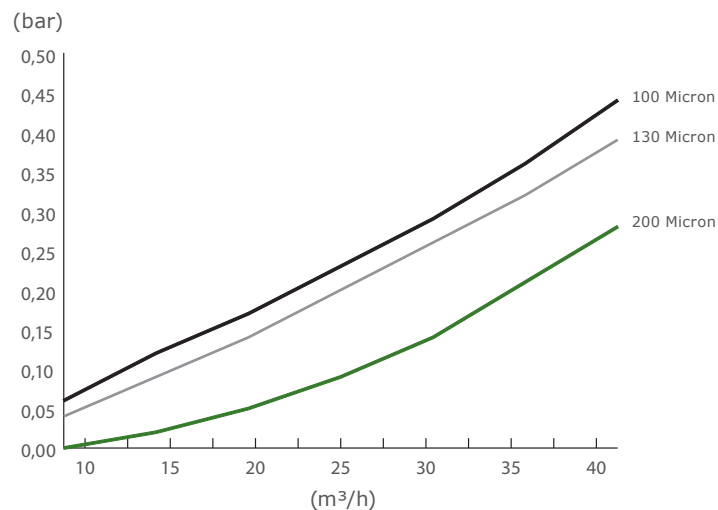
1. Slowly open the drain valve
2. Slowly rotate the flushing handle for two complete cycles. (Each 360° rotation of the handle should take approximately 3 seconds. The handle will either rotate clockwise or counter clockwise, depending on the direction on the previous flush. The handle should raise or lower as it is rotated. A complete cycle is rotating the handle as far as possible in both directions.)
3. Slowly close the drain valve

If the filter is still clogged (pressure indicator button is up) then repeat the above process with the valve downstream of filter (outlet valve) closed.



## Head loss (bar) / flow rate (m<sup>3</sup>/h) - 2"

Flow rate (m <sup>3</sup> /h)	Head loss (bar)		
	200 Micron	130 Micron	100 Micron
10	0	0,04	0,06
15	0,02	0,09	0,12
20	0,05	0,14	0,17
25	0,09	0,20	0,23
30	0,14	0,26	0,29
35	0,21	0,32	0,36
40	0,28	0,39	0,44



## Head loss (bar) / flow rate (m<sup>3</sup>/h) - 3"

Flow rate (m <sup>3</sup> /h)	Head loss (bar)		
	200 Micron	130 Micron	100 Micron
20	0	0,02	0,04
25	0,02	0,04	0,07
30	0,05	0,08	0,11
35	0,09	0,14	0,17
40	0,14	0,21	0,25
45	0,19	0,28	0,33
50	0,24	0,35	0,40

