



- 01 **Convenient:** Combines filtration and pressure regulation
- 02 **Quality:** Field proven PSR®2 components
- 03 **Durability:** Stainless-steel mesh screen
- 04 **Models:** Four pressures of 6, 10, 15, and 20 psi (0.41, 0.69, 1.03, and 1.38 bar)

## FILTER REGULATOR

*The Filter Regulator combines filtration and pressure regulation into one device for installation convenience*

Senninger® black and white pressure regulators are renowned for their accuracy, durability, and ability to maintain consistent outlet pressure with varying inlet pressure. Combining that performance with reduced nozzle clogging provides a solution for overall efficiency of an irrigation system.



# FILTER REGULATOR FEATURES AND FILTER SPECIFICATIONS

## FEATURES

- Quality field proven PSR®2 internal components
- Four pressure models available: 6, 10, 15, and 20 psi (0.41, 0.96, 1.03, and 1.38 bar)
- Choice of five stainless steel screens: 20, 30, and 40 mesh for pivot irrigation, and 120 and 140 for drip and micro irrigation
- Convenient installation above the pivot sprinkler; various locations for drip and micro irrigation
- Easy access to mesh screens with a twist of the bonnet; no tools required; no need to dismantle the drop assembly.
- Two-year warranty on materials, workmanship, and performance

## FILTER SCREENS

- Replacement filter screens also available with color-coded rubber seals to readily identify mesh size.
- Color-coded stickers available for the outer bonnet to assist installers in matching the mesh size to the correct nozzle
- Easy in-field maintenance to exchange installed filter screens for new or cleaned screens; clean screens for reinstallation during the next scheduled maintenance cycle

MODELS	Description	Mesh Orifice (microns)	Preset Outlet Pressure	Maximum Inlet Pressure
FPSR2063M3F20	6 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>20 mesh screen (black)</b>	841	6 psi (0.41 bar)	80 psi (5.51 bar)
FPSR2063M3F30	6 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>30 mesh screen (green)</b>	595	6 psi (0.41 bar)	80 psi (5.51 bar)
FPSR2063M3F40	6 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>40 mesh screen (grey)</b>	400	6 psi (0.41 bar)	80 psi (5.51 bar)
FPSR2103M3F20	10 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>20 mesh screen (black)</b>	841	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2103M3F30	10 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>30 mesh screen (green)</b>	595	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2103M3F40	10 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>40 mesh screen (grey)</b>	400	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2153M3F20	15 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>20 mesh screen (black)</b>	841	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2153M3F30	15 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>30 mesh screen (green)</b>	595	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2153M3F40	15 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>40 mesh screen (grey)</b>	400	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2203M3F20	20 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>20 mesh screen (black)</b>	841	20 psi (1.38 bar)	100 psi (6.89 bar)
FPSR2203M3F30	20 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>30 mesh screen (green)</b>	595	20 psi (1.38 bar)	100 psi (6.89 bar)
FPSR2203M3F40	20 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>40 mesh screen (grey)</b>	400	20 psi (1.38 bar)	100 psi (6.89 bar)
FPSR2103M3F120	10 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>120 mesh screen (red)</b>	125	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2103M3F140	10 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>140 mesh screen (blue)</b>	105	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2153M3F120	15 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>120 mesh screen (red)</b>	125	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2153M3F140	15 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>140 mesh screen (blue)</b>	105	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2203M3F120	20 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>120 mesh screen (red)</b>	125	20 psi (1.38 bar)	100 psi (6.89 bar)
FPSR2203M3F140	20 psi, Filter PSR2, 3/4" M NPT x 3/4" F NPT, <b>140 mesh screen (blue)</b>	105	20 psi (1.38 bar)	100 psi (6.89 bar)

The pressure regulator shall maintain the predetermined operating pressure provided that the inlet pressure is at least 5 psi (0.34 bar) above the expected outlet pressure, with flows up to 11 gpm (2498 L/hr), but not exceeding the maximum inlet pressure as shown above. Higher flows require additional inlet pressure to engage the regulator. Where flows are greater than 11 gpm (2498 L/hr), the inlet pressure should be at least 9 psi (0.62 bar) above the expected outlet pressure but not exceeding the maximum inlet pressure as shown above.

Pressure regulators should always be installed downstream of all shut-off valves.

Recommended for outdoor use only. Not NSF certified.

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The Senninger commitment to world-class products, local support and technical expertise ensure we provide the most efficient and reliable agricultural irrigation solutions available in the world today.

  
Steve Abernethy, President of Senninger Irrigation