



- 01 **Convenient:** Combines filtration and pressure regulation
- 02 **Quality:** Field proven PSR2 components
- 03 **Durability:** Stainless-steel mesh screen
- 04 **Models:** Three pressures of 6, 10, and 15 psi (0.41, 0.69, and 1.03 bar)

FILTER REGULATOR FOR CENTER PIVOTS

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
- Three pressure models available: 6, 10, and 15 psi (0.41, 0.96, and 1.03 bar)
- Choice of three stainless steel screen models: 20, 30, and 40 mesh
- Convenient installation above the sprinkler; ¾" M NPT inlet x ¾" F NPT outlet
- Easy access to mesh screens with a twist of the bonnet; no tools required; no need to dismantle the drop assembly.
- Outer dimensions: 6.25" L x 2.75" W x 7" H
- 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.
 - Black: 20 mesh for UP3 nozzles #13 - 23
 - Green: 30 mesh for UP3 nozzles #6 - 12.5
 - Grey: 40 mesh for UP3 nozzles #2 - 5.5
- 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

FILTER REGULATOR DESIGN CRITERIA

Models	Description	Preset Operating Pressure	Maximum Inlet Pressure	Nozzle Sizes	Flow Range
FPSR2063M3F20	6 psi, Filter PSR2, ¾" M x ¾" F with 20 mesh (black rings)	6 psi (0.41 bar)	80 psi (5.51 bar)	#13 - #23	2.95 - 9.19 gpm (670 - 2087 L/hr)
FPSR2063M3F30	6 psi, Filter PSR2, ¾" M x ¾" F with 30 mesh (green rings)	6 psi (0.41 bar)	80 psi (5.51 bar)	#6 - #12.5	0.62 - 2.72 gpm (141 - 618 L/r)
FPSR2063M3F40	6 psi, Filter PSR2, ¾" M x ¾" F with 40 mesh (grey rings)	6 psi (0.41 bar)	80 psi (5.51 bar)	#2 - #5.5	0.07 - 0.52 gpm (16 - 118 L/hr)
FPSR2103M3F20	10 psi, Filter PSR2, ¾" M x ¾" F with 20 mesh (black rings)	10 psi (0.69 bar)	90 psi (6.20 bar)	#13 - #23	3.81 - 11.87 gpm (865 - 2696 L/hr)
FPSR2103M3F30	10 psi, Filter PSR2, ¾" M x ¾" F with 30 mesh (green rings)	10 psi (0.69 bar)	90 psi (6.20 bar)	#6 - #12.5	0.80 - 3.52 gpm (182 - 799 L/hr)
FPSR2103M3F40	10 psi, Filter PSR2, ¾" M x ¾" F with 40 mesh (grey rings)	10 psi (0.69 bar)	90 psi (6.20 bar)	#2 - #5.5	0.09 - 0.67 gpm (20 - 152 L/hr)
FPSR2153M3F20	15 psi, Filter PSR2, ¾" M x ¾" F with 20 mesh (black rings)	15 psi (1.03 bar)	95 psi (6.55 bar)	#13 - #23	4.66 - 14.54 gpm (1058 - 3302 L/hr)
FPSR2153M3F30	15 psi, Filter PSR2, ¾" M x ¾" F with 30 mesh (green rings)	15 psi (1.03 bar)	95 psi (6.55 bar)	#6 - #12.5	0.98 - 4.31 gpm (223 - 979 L/hr)
FPSR2153M3F40	15 psi, Filter PSR2, ¾" M x ¾" F with 40 mesh (grey rings)	15 psi (1.03 bar)	95 psi (6.55 bar)	#2 - #5.5	0.11 - 0.82 gpm (25 - 186 L/hr)

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.

20 psi (1.38 bar) model also available.



REPLACEMENT SCREEN PART NUMBERS

Models	Description
FPSR220SCREEN	Filter PSR2, 20 mesh screen, black rings
FPSR230SCREEN	Filter PSR2, 30 mesh screen, green rings
FPSR240SCREEN	Filter PSR2, 40 mesh screen, grey rings

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Senninger's 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