Senninger®

AGRICULTURAL IRRIGATION | *A Hunter Industries Company*
LOW PRESSURE - HIGH PERFORMANCE™

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 FOR IRRIGATION

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.

Visit: www.senninger.com

FILTER REGULATOR FEATURES AND FILTER SPECIFICATIONS

FEATURES

- Quality field proven PSR™2 internal components
- Pressure models available: 6, 10, 15, and 20 psi (0.41, 0.69, 1.03, and 1.38 bar)
- Easy access to mesh screens with a twist of the bonnet; no tools required
- Convenient installation, 3/4" M NPT inlet x 3/4" F NPT outlet
- Outer dimensions: 6 ¼" L x 2 ¾" W x 7" W
- 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.

Screen Models	Description
FPSR220SCREEN	Filter PSR2, 20 mesh (841 microns), **black**
FPSR230SCREEN	Filter PSR2, 30 mesh (595 microns), **green**
FPSR240SCREEN	Filter PSR2, 40 mesh (400 microns), **grey**
FPSR2120SCREEN	Filter PSR2, 120 mesh (125 microns), **red**
FPSR2140SCREEN	Filter PSR2, 140 mesh (105 microns), **blue**

FILTER REGULATOR MODELS	Description	Mesh Orifice (microns)	UP3 Nozzle Numbers	Preset Outlet Pressure	Maximum Inlet Pressure
FPSR2063M3F20	6 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **20 mesh screen**	841	#13 - #26	6 psi (0.41 bar)	80 psi (5.51 bar)
FPSR2063M3F30	6 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **30 mesh screen**	595	#6 - #12.5		
FPSR2063M3F40	6 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **40 mesh screen**	400	#2 - #5.5		
FPSR2103M3F20	10 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **20 mesh screen**	841	#13 - #26	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2103M3F30	10 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **30 mesh screen**	595	#6 - #12.5		
FPSR2103M3F40	10 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **40 mesh screen**	400	#2 - #5.5		
FPSR2153M3F20	15 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **20 mesh screen**	841	#13 - #26	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2153M3F30	15 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **30 mesh screen**	595	#6 - #12.5		
FPSR2153M3F40	15 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **40 mesh screen**	400	#2 - #5.5		
FPSR2203M3F20	20 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **20 mesh screen**	841	#13 - #26	20 psi (1.38 bar)	100 psi (6.89 bar)
FPSR2203M3F30	20 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **30 mesh screen**	595	#6 - #12.5		
FPSR2203M3F40	20 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **40 mesh screen**	400	#2 - #5.5		
FPSR2103M3F120	10 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **120 mesh screen**	125	0.5 - 15 gpm (114 - 3407 L/hr)	10 psi (0.69 bar)	90 psi (6.20 bar)
FPSR2103M3F140	10 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **140 mesh screen**	105			
FPSR2153M3F120	15 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **120 mesh screen**	125	0.5 - 15 gpm (114 - 3407 L/hr)	15 psi (1.03 bar)	95 psi (6.55 bar)
FPSR2153M3F140	15 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **140 mesh screen**	105			
FPSR2203M3F120	20 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **120 mesh screen**	125	0.5 - 15 gpm (114 - 3407 L/hr)	20 psi (1.38 bar)	100 psi (6.89 bar)
FPSR2203M3F140	20 psi, Filter PSR2, ¾" M NPT x ¾" F NPT, **140 mesh screen**	105			

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.

Shaded models designed for use with drip systems.

Website senninger.com | **Customer Support** +1-407-877-5655

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