



Model	A	B	C	Connection
IRS2000	1,400 mm	245 mm	1,280 mm	1"
IRS3000	1,500 mm	270 mm	1,445 mm	1"
IRS4000	1,600 mm	320 mm	1,395 mm	1"

GENERAL INFO

IRON REMOVAL WATER TREATMENT SYSTEMS

The Puretec IRS Series systems are designed to prevent the staining and rust build up in your water system. The system reduces the level of iron and manganese, through increasing the rate of oxidation of dissolved iron and then physically filtering the iron using the deep filter bed. Iron levels up to 28ppm are treatable.

After hardness, iron is the most common water contaminant causing staining, thick sediment, slime and smell. It blocks up pumps, taps, filters and ruins the look of anything it comes in contact with. Iron at high levels will cost you money.

SYSTEM SPECIFICATIONS AND PERFORMANCE DATA

Ordering Code	Application	Backwash	Service Flow Lpm	Max Flow Lpm	Dimensions		
					A	B	C
IRS2000	Small to medium building / residence	Auto Backwash	20	70	1,400 mm	245 mm	1,280 mm
IRS3000	Medium building / residence	Auto Backwash	30	80	1,500 mm	270 mm	1,445 mm
IRS4000	Medium to large building / residence	Auto Backwash	40	90	1,600 mm	320 mm	1,395 mm

Operating Conditions: 1. Water Temperature 5-45 °C. 2. Water pressure 250-690 kPa. 3. Level of iron - up to 20ppm. 4. pH range of 6.8-9.0. Staining threshold is 0.3. Speak with one of the Puretec specialists to confirm this product selection.

ADDITIONAL INFORMATION

IRON - The most common source of orange and brown staining

After hardness, iron is the most common water contaminant causing staining, thick sediment, slime and smell. It blocks up pumps, taps, filters and ruins the look of anything it comes in contact with. Iron at high levels will cost you money.

For water that contains bacterial iron, pre-treatment is required, Please contact our technical team.

SPECIFICATIONS

Parameter	
pH range	6.8 - 9
Dissolved Oxygen Content	Minimum 15% of the Iron level
Operating Pressures	250 - 690 kPa
Operating Temperature Ranges	5 - 45°C
Supply Voltage	230V AC
Supply Frequency	50 Hz
Output Voltage	12V AC
Output Current	500 mA
Inlet/Outlet Fitting Connections	1" Male BSPT
Distributor Pilot	32mm O.D. Pipe
Drain Line Connection	3/4" Male NPT Standard
Free Chlorine Tolerance	0.5 ppm max.
Hydrogen Sulfide Tolerance	zero
Organic Matter Tolerance	4-5 ppm max.
Oil Tolerance	zero
Alkalinity	2x sulphate + chloride

FEATURES & BENEFITS

- Prevent the staining and rust build up in your water system
- Complete system, no extra parts required
- Automatic backwash – maintenance free
- Stores system configuration and operation data in nonvolatile memory
- 1" connections means minimum pressure loss
- 10 selectable pre-programmed regeneration cycles
- Backwash water usage programmable