

Foodgrade Solutions

The New X-tend Foodgrade System, an innovation from Ingersoll-Rand!

Finally, a Coolant System for Rotary Contact cooled Compressors capable of extending the life of food grade coolant up to 8,000 hours between changes, is developed.

Introducing Ingersoll-Rand's **new X-tend FG System**, a simple yet highly innovative solution to the age-old problem of short coolant life when a true H-1 food grade is required.

Ingersoll-Rand's **new X-tend FG System** has been designed to meet all Foodgrade requirements and provide the longest life of any FG coolant today.



1. FOODGRADE FILTRATION SYSTEM

✓ ENHANCED RELIABILITY

Our patent pending technology incorporates a new Ion Exchange Module that is designed to remove harmful acids from the FG coolant while the compressor is running.

By preventing acid build-up, the coolant maintains a proper viscosity level and TAN (total acid number) in between change intervals.

✓ PRODUCTIVITY IMPROVEMENT

Acid formation is the leading cause of viscosity breakdown in compressor coolants. If not caught soon enough, it could lead to significant cost associated with equipment repairs and lost production.

By using Ingersoll-Rand's new **X-tend FG System**, coolant quality is maintained and change intervals are increased 3-5 times, saving you money!

✓ HEALTH & SAFETY SOLUTIONS

In order to comply with today's growing concern for ensuring the safe manufacturing of food products, Ingersoll-Rand's **X-tend FG System** has been designed to allow you to meet the stringent requirements of NSF 116, H-1 Coolant (formerly FDA 21CFR 178.3570).

✓ SIMPLE SERVICEABILITY

Each retrofit kit provides the necessary parts to easily adapt the **X-tend FG System** to any compressor.

Replacement of the Ion Exchange module should take place every 3,000 hours or 6 months, whichever occurs first. Change-out take less than 10 minutes.

As recommended, the best way to determine coolant quality is with an Ingersoll-Rand Coolant Ultra Check – Kit, CPN 88176367.

Description	Retrofit Kit	Replacement Module
ION EXCHANGE FILTER Kit * (4 – 75 Kw)	38430914	38430898
ION EXCHANGE FILTER Kit (90 – 350 Kw)	38431094	38430906

* Only suitable for units with external scavenge line.

2. NEW FOODGRADE COOLANT

Description	CPN
5 Litres	38433108
19 Litres (5 gallon)	38433116
208 Litres (55 gallon)	38433124

3. FOODGRADE CONDENSATE SEPARATION

✓ PRODUCTIVITY IMPROVEMENT

In order to address the age-old problem of removing FG coolant from compressor condensate, Ingersoll-Rand has created a full line of FG PolySep separation equipment designed to help you comply with local and federal environmental requirements.

Technical Specifications Guide

Model	CPN	Max. m ³ /min	Max. Kw	Adsorption Module Volume (Lit.)	Air Line NPT	Condensate Inlet NPT	Oil Outlet NPT	Water Outlet NPT	Replacement Adsorption Modules	Dimensions LxWxH (mm)	Weight (Kg)
PSFG-030	38432217	0.85	6	3.8	N/A	1/2"	3/4"	3/4"	38432274	292x292x699	7
PSFG-060	38432225	1.70	11	7.6	N/A	1/2"	3/4"	3/4"	38432282	292x292x699	11
PSFG-125	38432233	3.54	22	19	N/A	1/2"	3/4"	3/4"	38432290	724x425x960	45
PSFG-250	38432241	7.07	37	57	1/4"	1/2"	3/4"	3/4"	38432308	1130x495x960	64
PSFG-560	38432258	15.85	90	113	1/4"	1/2"	3/4"	3/4"	38432316	1130x495x960	64
PSFG-1125	38432266	31.86	220	208	1/4"	1/2"	3/4"	3/4"	38432324	1130x495x960	64