



Advanced System Control

Managing Multiple Centrifugal Compressors

Maximise energy savings and reliability. Ingersoll Rand offers three levels of control to effectively manage, monitor and optimise your multi-compressor system. Each Ingersoll Rand Centac® compressor features the intuitive Xe-145F controller that includes Energy Smart Set Point (ESS) as standard. For additional control options, you can choose Integrated Multiple Machine Control (IMMC) or Air System Control (ASC). Regardless of which option best fits your needs, Ingersoll Rand's advanced software provides you with connectivity and control that delivers improved reliability and efficiency as well as significant energy savings.



Advanced Control, Connectivity and Communication

Ingersoll Rand provides software that will help you control, connect and communicate with your entire compressed air system to help ensure efficient system operation.



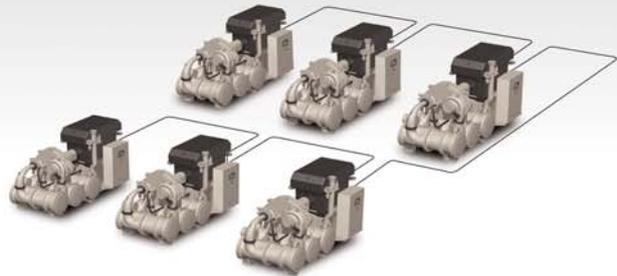
Energy Saving Set Point (ESS)

Our standard ESS software enables the compressors to avoid bypassing air, even when loads are erratic. The ESS evens out the loading between compressors, keeping them out of the bypass range, without requiring the compressors to be in direct communication with each other.



Integrated Multi-Machine Control (IMMC)

Optional IMMC software enables networked control of up to six centrifugal compressors with Xe-145F controllers. IMMC gives you the ability to sequence your compressors automatically, minimise the number of machines operating at any given time, and assign multiple pressure schedules for optimum efficiency.



Air System Controller (ASC)

Optional ASC software can manage an unlimited number of compressors along with auxiliary equipment like dryers, fans and pumps.



This advanced system provides all the functions of IMMC plus reporting, email notifications, advanced scheduling based on system conditions, and a comprehensive dashboard of information delivered to your computer screen.

	ESS Standard on Xe-145F controls	IMMC Easy field installation	ASC Custom configured software
Type of control	Anti-bypass control	Sequencing, load sharing, machine control, priority control, real-time scheduling	Sequencing, load sharing, machine control, real-time scheduling
Number of machines served	Unlimited	Up to 6	Unlimited
Additional equipment monitor/control	No	No	Yes
Compressor control connections	Not required	RS485	RS422/RS485
System visualisation	No	No	Yes
Configurable system logic	No	No	Yes
Functionality	Good	Better	Best

Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialised equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service.

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