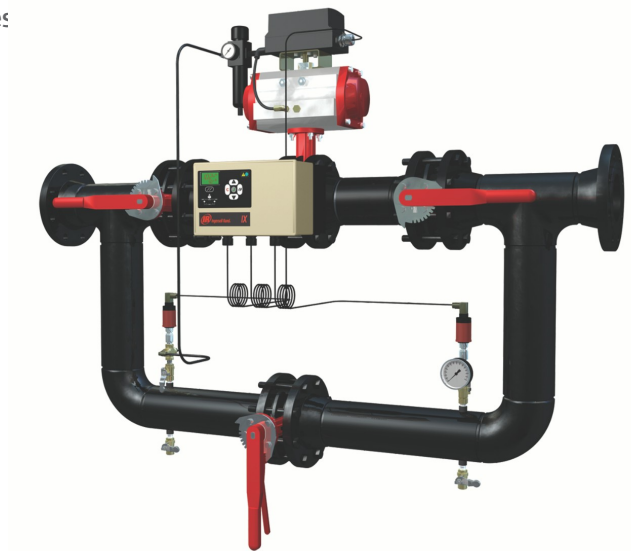
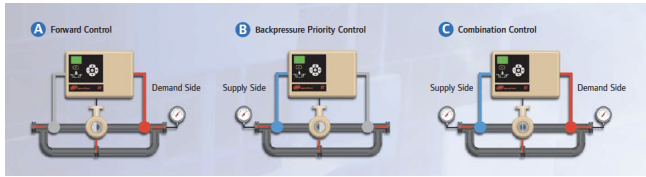


Entre un 20 y un 60% de la energía utilizada para hacer funcionar los sistemas de aire comprimido se desperdicia. Los sistemas de aire que funcionan a presiones elevadas son uno de los principales causantes de este mal aprovechamiento. Es conocido el hecho que el aire comprimido almacenado a altas presiones puede proporcionar un efecto de capacitancia para demandas repentinas de volumen alto. Se conoce menos el hecho de que una mayor presión de almacenamiento, que no es controlada ni administrada adecuadamente, resultará no solo en un consumo de energía adicional para comprimir a mayor presión (0,5% de energía por cada 1% de aumento de presión), sino también un consumo de aire significativamente mayor por parte de todos los usuarios de aire comprimido (en algunos casos hasta 12% más). La aplicación del control IntelliFlow de Ingersoll Rand utiliza en forma efectiva el almacenamiento del sistema para compensar el uso del aire aleatorio, alto y evita la necesidad de aumentar la presión total del sistema eliminando la necesidad de realizar la carga de los compresores de aire alto, aleatorio.

## Features





## BALANCING PRESSURE SUPPLY AND DEMAND

Pressure instability, even a one-time pressure drop, frequently causes operators to elevate air pressure. But this fix also increases the air consumption of all poorly regulated processes including the leak rate! For example, in a nominal 100 psig air system, a 15 psig increase in pressure will use approximately 10-12% more compressed air, PLUS use 7.5% more energy to compress. Installing an IntelliFlow controller, combined with proper storage and control, will provide a capacitance (stored energy) effect for sudden high volume system demands, eliminating the energy and maintenance costs associated with elevating the pressure and adding profit to the bottom line!

The IntelliFlow constantly monitors the demand of air pressure and dynamically adjusts to utilize storage, increase volume flow and stabilize pressure as needed (A).

IntelliFlow can also prioritize and protect critical processes or zones in the air system. Many systems have pressure critical processes, which can stop working or create waste if the pressure drops below a minimum level. IntelliFlow's backpressure control (B) ensures the proper pressure prioritization to prevent this problem. In addition, IntelliFlow's Combination Control automatically switches control between forward system control and backpressure priority control (C) based on user defined set points.

Features:

- High capacity, low pressure drop
- 3-valve manual bypass with fittings
- Forward, backpressure and combination control
- Electronic control (standard)
- Mounted c-UL NEMA 12 panel
- Multiple pressure set points
- Auxiliary contacts
- Mounted dual pressure sensors
- Network communication ready
- X-Series visualization ready
- Complete mounted & wired assembly

## Model Specifications

| Model     | CCN        | Connection Size In/Out (in) | Flow scfm min | Flow scfm max | Lenth (in) | Width (in) | Height (in) | Weight (lb) |
|-----------|------------|-----------------------------|---------------|---------------|------------|------------|-------------|-------------|
| IX-02     | # 23473192 | 2                           | 207           | 835           | 39.25      | 15         | 33.87       | 180         |
| IX-03     | # 23473200 | 3                           | 580           | 2664          | 43.87      | 16.62      | 38.5        | 250         |
| IX-04     | # 23473218 | 4                           | 1077          | 4868          | 58.5       | 18.06      | 44.35       | 440         |
| IX-06     | # 23473226 | 6                           | 2320          | 10700         | 64.5       | 20.43      | 51.25       | 650         |
| IX-08     | # 23473234 | 8                           | 4144          | 19200         | 70.68      | 70.68      | 53.06       | 860         |
| IX-08CDN* | # 23485980 | 8                           | 4144          | 19200         | 70.68      | 70.68      | 53.06       | 860         |



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