

**CHAMPION**

75-1,000 SCFM | SYSTEM FLOW CONTROLLERS

# CHX Series



# Stop Wasting Air

## What is the CHX System Flow Controller?

The CHX Series is a balanced flow controller that provides an economical and reliable single point of control when it comes to controlling the air pressure delivered to your operation. Opposed to a simple regulator that cannot deliver air volume above its set point, the CHX Series is designed to recognize and react to an increase in flow demand.

## Why use a CHX System Flow Controller?

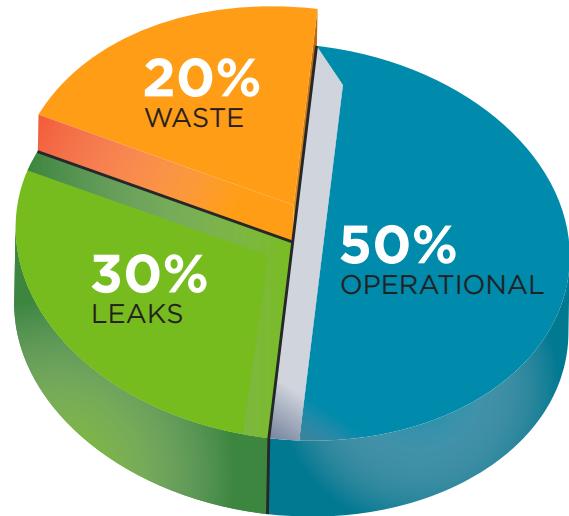
Regardless of the care that is taken when an air system is designed and installed, it is still going to have leaks and waste. When the working pressure delivered to the system is reduced, the volume of air lost to those leaks and waste is dramatically reduced. The reduction of lost air results in less run time for an air compressor, which increases the life of your compressor. The lower power consumption and decreased maintenance costs associated with less air compressor run time are direct improvements to the bottom line.

## CHX Savings Example: The 10/7 Equation

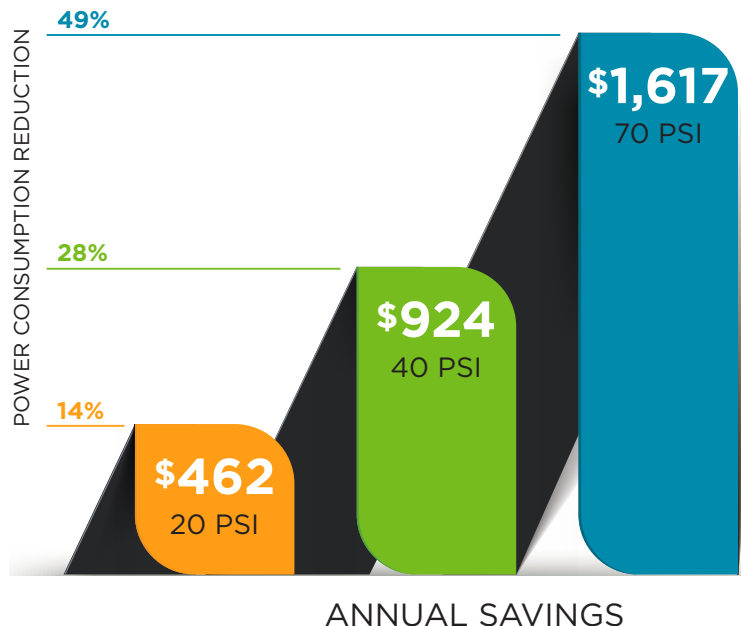
Reducing plant pressure by 10 psi results in a 7% energy consumption reduction. Installing a CHX controller, along with adequate compressed air storage, allows compressed air to be stored at a higher pressure while delivering consistent, low-pressure air to your operation.

A 15 HP compressor running 3,000 hours per year at \$0.10 per kW = \$3,300 annual power consumption.

AIR SUPPLY USAGE



Source: US Dept of Energy/Compressed Air Challenge



# Features & Benefits

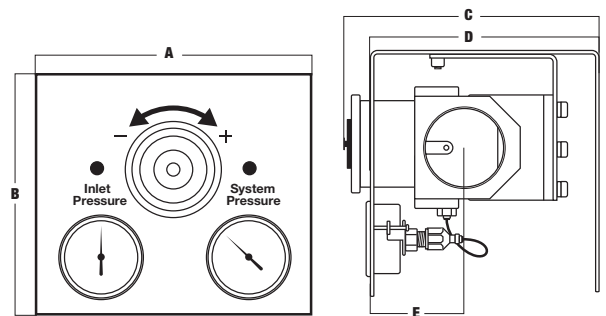
- Reduce energy consumption and improve productivity
- Left to right or right to left flow configuration
- Nitrile seals for high level of chemical resistance
- Single powder-coated steel chassis through product range for consistent footprint and enhanced durability
- NPT threads allow unit to connect easily into new or existing piping systems
- Tamper proof dial centrally located for quick adjustment and easy calibration
- Balanced valve design provides immediate response to changes in air demand
- Glycol filled, dual stainless steel gauge design for easy inlet and outlet pressure readings



## CHX Specifications

PART NUMBER	FLOW DIRECTION	MAX FLOW SCFM	CONNECTION SIZE (FEMALE)	MAX INLET PRESSURE PSIG	CONTROL RANGE PSIG	MAX OPERATING TEMP. RANGE	SENSITIVITY	REPEATABILITY
CHX75-RL	Right to Left	75	½" NPT					
CHX75-LR	Left to Right	75	½" NPT					
CHX200-RL	Right to Left	200	1" NPT	300	0-160	-4 to 176° F -20 to 80° C	0.2% of full span	± 0.5% of full span
CHX200-LR	Left to Right	200	1" NPT					
CHX1000-RL	Right to Left	1000	2" NPT					
CHX1000-LR	Left to Right	1000	2" NPT					

PART NUMBER	A	B	C	D	E	WEIGHT
CHX75-RL					1.89"	8.40 lbs.
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CHX200-RL	8.11"	7.28"	8.57"	7.36"	2.21"	10.45 lbs.
CHX200-LR					2.21"	10.45 lbs.
CHX1000-RL					2.78"	14.65 lbs.
CHX1000-LR					2.78"	14.65 lbs.



Champion is committed to  
delivering **superior products** built with  
the **exceptional standards** you expect.

**CHAMPION**<sup>®</sup>

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