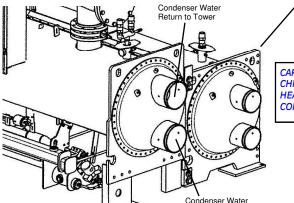
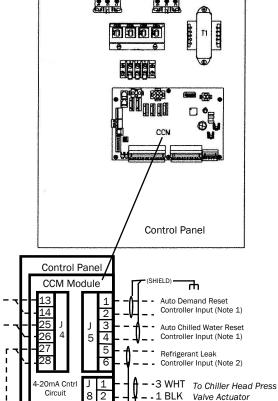
<u>CARRIER 23 XRV SCREW CHILLER</u> HEAD PRESSURE VALVE CONTROL WIRING





CARRIER 19XR CENTRIFUGAL CHILLER CCM MODULE AND HEAD PRESSURE VALVE CONTROL WIRING IS IDENTICAL



(SHIELD) -

Notes:

Spare Temp #2 Sensor Common Return (Note 3) Spare Temp #1 Sensor Common Supply (Note 3) Remote Temp Reset Sensor (Note 3)

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3C

 Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal. Not by Carrier

 Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal Not by Carrier

Requires a sensor package option by Carrier

Add 500 Ohm Resistor between 1 Blk & 3 Wht for Chiller 4 -20 mA Signal or the Resistor may be located at the Chiller Terminal Strip

Supply from Tower

Chiller Head Press Valve Actuator

Manual

Crank

Actuator

ACTUATOR HAS 4 TO 1 LEVER

90 DEG ACTUATOR TO 60 DEG VALVE ROTATION OR A 1.5 TO 1 RATIO INCREASES THROT-TLING DISC REPOSITIONS

CONDENSOR WATER VALVE

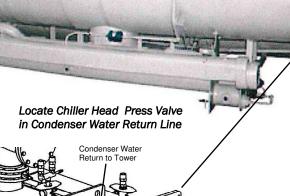
WESLEY VALVE CO.

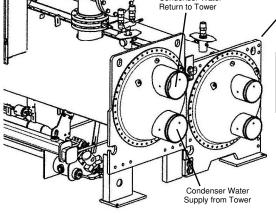
MFGRS OF AUTOMATED BUTTERFLY VALVES 3229 North L Street Pensacola, FL 32505 PHN: (404) 351-8744 FAX: (404) 351-9340

www.wesleyvalve.com

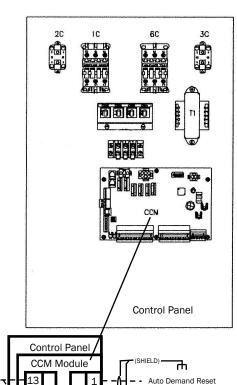
CARRIER 23 XRV SCREW CHILLER HEAD PRESSURE VALVE CONTROL WIRING

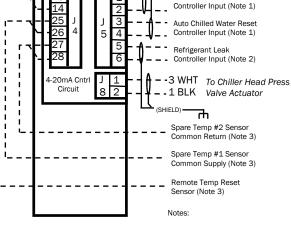






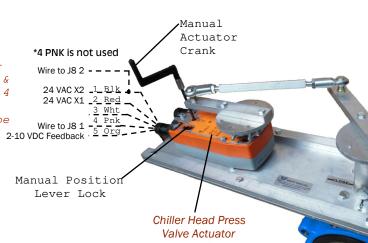
CARRIER 19XR CENTRIFUGAL CHILLER CCM MODULE AND HEAD PRESSURE VALVE CONTROL WIRING IS IDENTICAL





- 1. Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal. Not by Carrier
- 2. Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal Not by Carrier
- 3. Requires a sensor package option by Carrier

Add 500 Ohm Resistor between 1 Blk & 3 Wht for Chiller 4 -20 mA Signal or the Resistor may be located at the Chiller Terminal Strip



ACTUATOR HAS 4 TO 1 LEVER

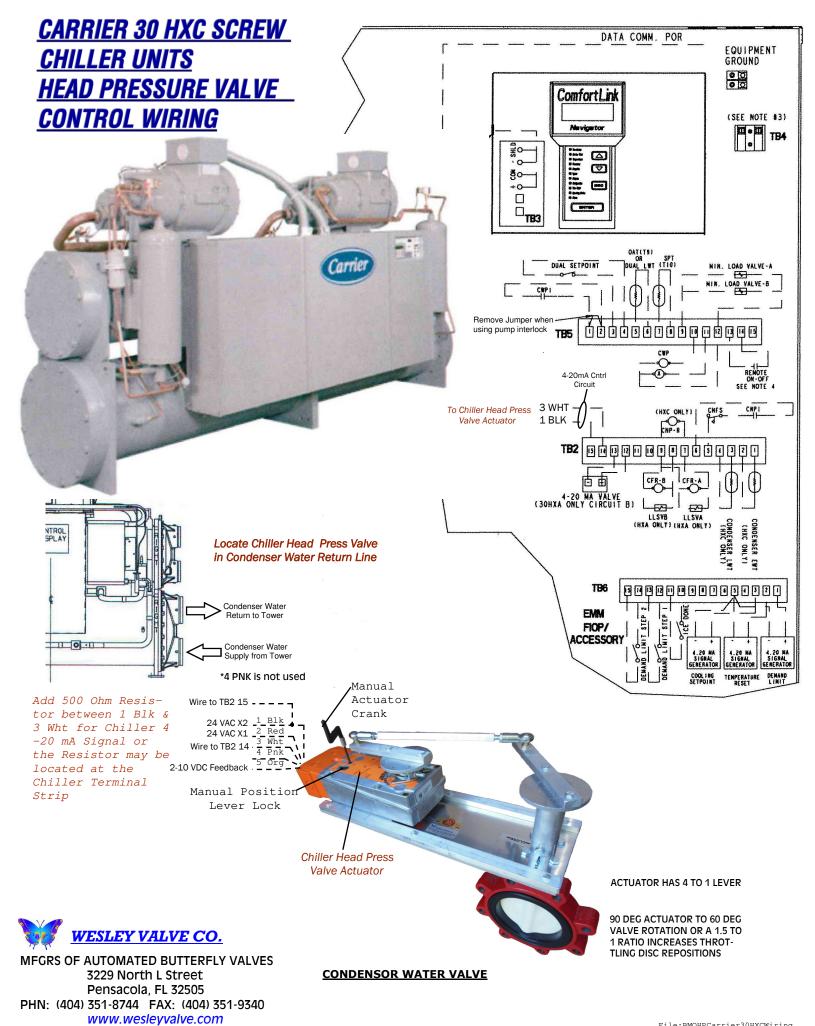
90 DEG ACTUATOR TO 60 DEG **VALVE ROTATION OR A 1.5 TO** 1 RATIO INCREASES THROT-TLING DISC REPOSITIONS

WESLEY VALVE CO.

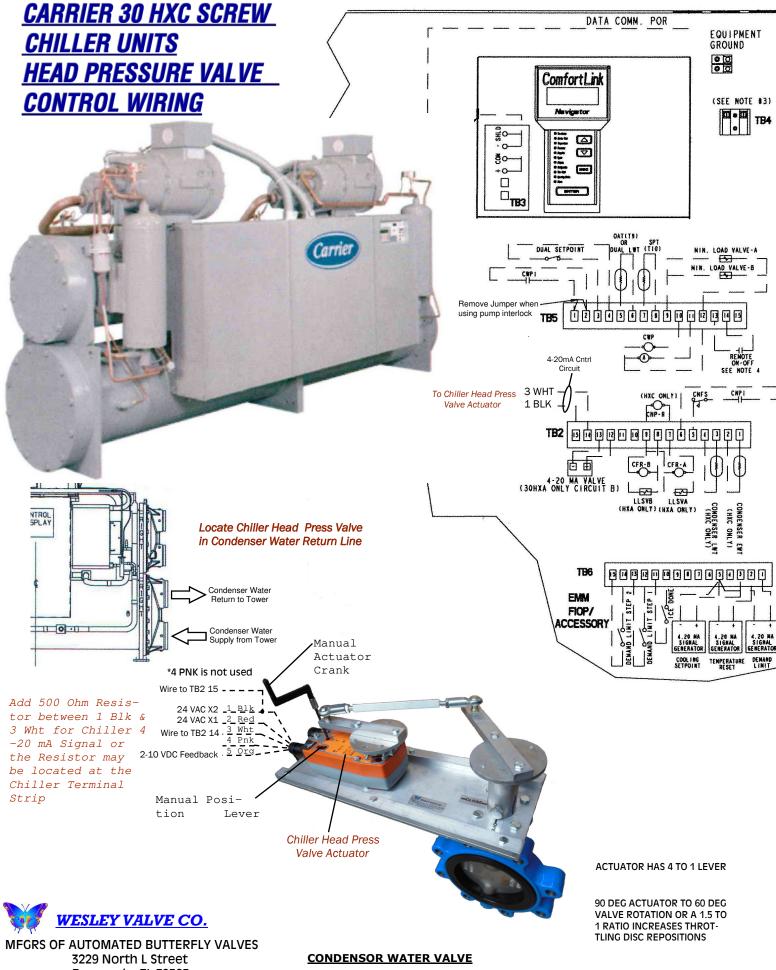
MFGRS OF AUTOMATED BUTTERFLY VALVES 3229 North L Street Pensacola, FL 32505

PHN: (404) 351-8744 FAX: (404) 351-9340 www.wesleyvalve.com

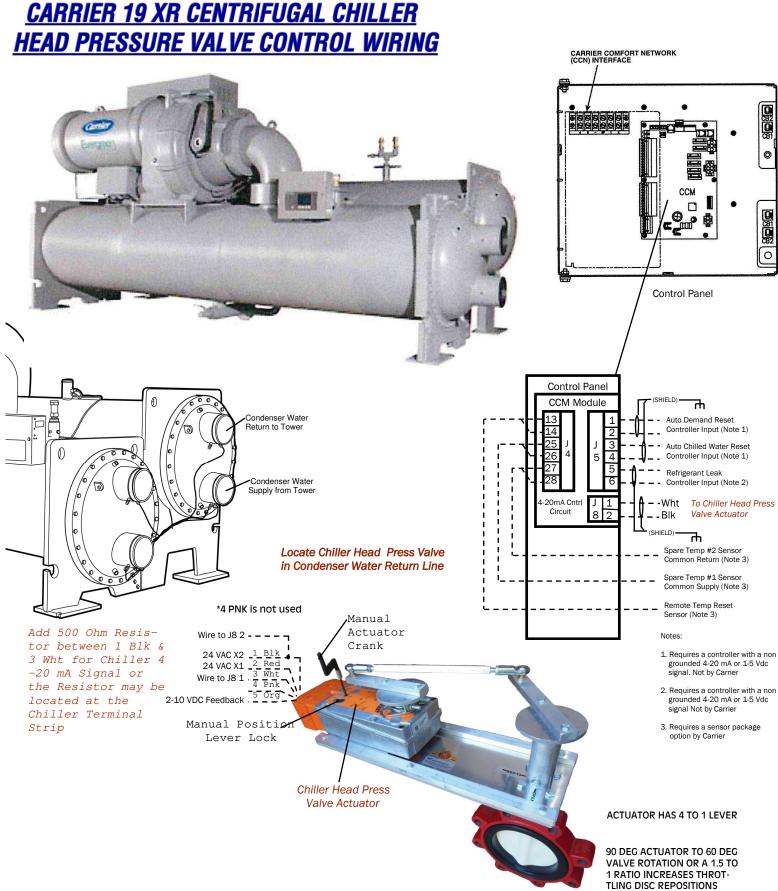
CONDENSOR WATER VALVE



File: BMOHPCarrier30HXCWiring



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CONDENSOR WATER VALVE

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CARRIER 19 XR CENTRIFUGAL CHILLER HEAD PRESSURE VALVE CONTROL WIRING CARRIER COMFORT NETWORK (CCN) INTERFACE **Control Panel** Control Panel (SHIELD) CCM Module ሕ Condenser Water Return to Tower Auto Demand Reset Controller Input (Note 1) Auto Chilled Water Reset 0 26 5 4 Controller Input (Note 1) 5 Refrigerant Leak Condenser Water Controller Input (Note 2) Supply from Tower 20mA Cntrl To Chiller Head Press Circuit - Blk Valve Actuator (SHIELD) Spare Temp #2 Sensor Locate Chiller Head Press Valve Common Return (Note 3) in Condenser Water Return Line Spare Temp #1 Sensor Common Supply (Note 3) Remote Temp Reset *4 PNK is not Sensor (Note 3) Add 500 Ohm Resis-Manual Notes: Wire to J8 2 - - tor between 1 Blk & Actuator 1. Requires a controller with a non 3 Wht for Chiller 4 24 VAC X2 _1_Blk_ grounded 4-20 mA or 1-5 Vdc 24 VAC X1 2 Red Wire to J8 1 3 Wht Pnk signal. Not by Carrier -20 mA Signal or the Resistor may be 2. Requires a controller with a non grounded 4-20 mA or 1-5 Vdc located at the 2-10 VDC Feedback 5 Org signal Not by Carrier Manual Position Chiller Terminal Lever Lock 3. Requires a sensor package option by Carrier Strip Manual Position Lever Lock Manual Actuator Chiller Head Press Crank Valve Actuator Wire Color to Color to the other Tandem Actuator

CONDENSOR WATER VALVE



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ACTUATOR HAS 4 TO 1 LEVER

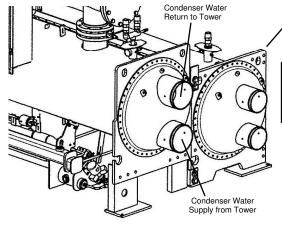
Chiller Head Press Valve Actuator

90 DEG ACTUATOR TO 60 DEG **VALVE ROTATION OR A 1.5 TO** 1 RATIO INCREASES THROT-TLING DISC REPOSITIONS

CARRIER 23 XRV SCREW CHILLER HEAD PRESSURE 3-WAY VALVE CONTROL WIRING



in Condenser Water Return Line



Add 500 Ohm Resistor between

Signal or the Resistor may be

1 Blk & 3 Wht for Chiller 4-20 mA

CARRIER 19XR CENTRIFUGAL CHILLER CCM MODULE AND HEAD PRESSURE VALVE

*4 PNK is not used

CONTROL WIRING IS IDENTICAL

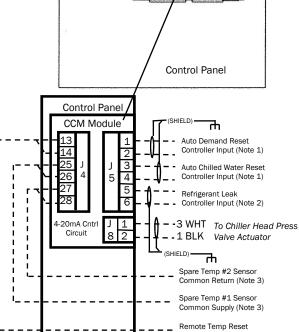
Manual

Crank

Actuator

Manual Position

Lever Lock



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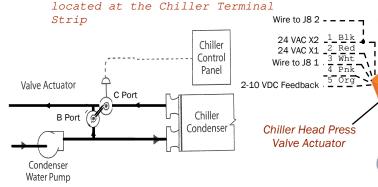
1. Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal. Not by Carrier

Sensor (Note 3)

Notes:

2. Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal Not by Carrier

> 3. Requires a sensor package option by



CORRECT 3-WAY VALVE PIPING

WESLEY VALVE CO.

MFGRS OF AUTOMATED BUTTERFLY VALVES 3229 North L Street Pensacola, FL 32505 PHN: (404) 351-8744 FAX: (404) 351-9340

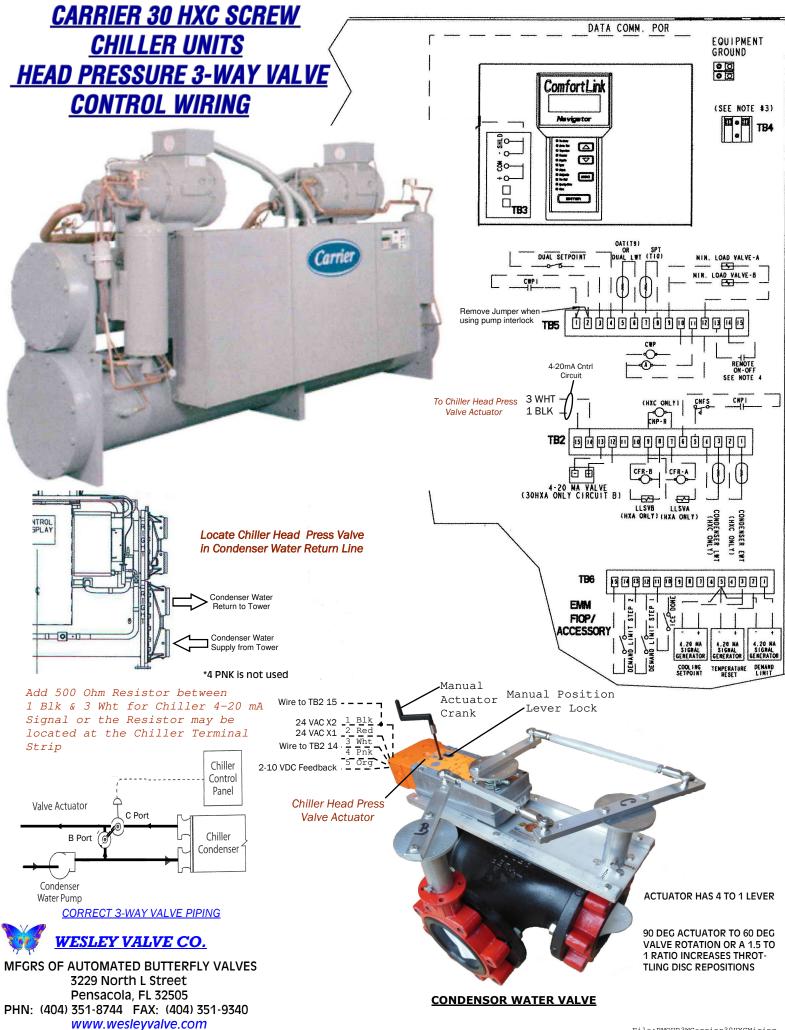
www.wesleyvalve.com



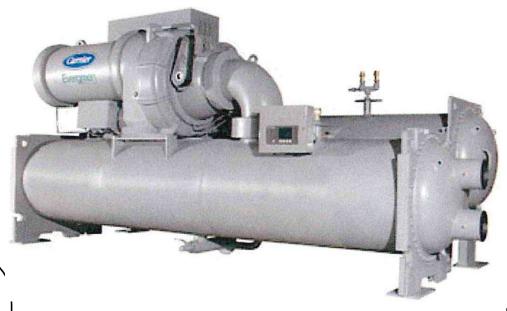
90 DEG ACTUATOR TO 60 DEG **VALVE ROTATION OR A 1.5 TO** 1 RATIO INCREASES THROT-TLING DISC REPOSITIONS

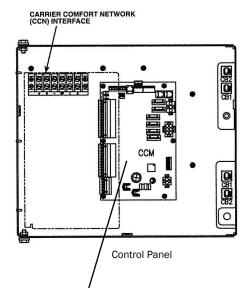
ACTUATOR HAS 4 TO 1 LEVER

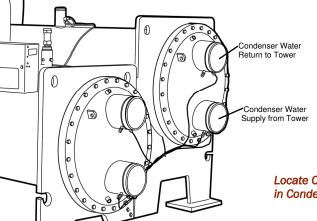
CONDENSOR WATER VALVE



<u>CARRIER 19 XR CENTRIFUGAL CHILLER</u> <u>HEAD PRESSURE 3-WAY VALVE CONTROL WIRING</u>







Locate Chiller Head Press Valve in Condenser Water Return Line

Manual

Crank

Actuator

between 1 Blk & 3 Wht for Chiller 4-20 mA Signal or the Resistor may be located at the Chiller *4 PNK is not used Terminal Strip

Add 500 Ohm Resistor

Control

Panel

Chiller

Condenser

Chiller Head Press
Valve Actuator

 Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal. Not by Carrier

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Auto Demand Reset

Controller Input (Note 1)

Auto Chilled Water Reset
Controller Input (Note 1)

Refrigerant Leak

Controller Input (Note 2)

Spare Temp #2 Sensor

Spare Temp #1 Sensor Common Supply (Note 3) Remote Temp Reset Sensor (Note 3)

Common Return (Note 3)

To Chiller Head Press

Valve Actuator

-Wht

Notes:

- BIK

 Requires a controller with a non grounded 4-20 mA or 1-5 Vdc signal Not by Carrier

3. Requires a sensor package

ACTUATOR HAS 4 TO 1 LEVER

Control Panel
CCM Module

-20mA Cntrl

Circuit

90 DEG ACTUATOR TO 60 DEG VALVE ROTATION OR A 1.5 TO 1 RATIO INCREASES THROT-TLING DISC REPOSITIONS



C Port



Valve Actuator

Condenser Water Pump

B Port

WESLEY VALVE CO.

MFGRS OF AUTOMATED BUTTERFLY VALVES 3229 North L Street Pensacola, FL 32505

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Manual Position

Lever Lock