



Instruction Sheet

102-163

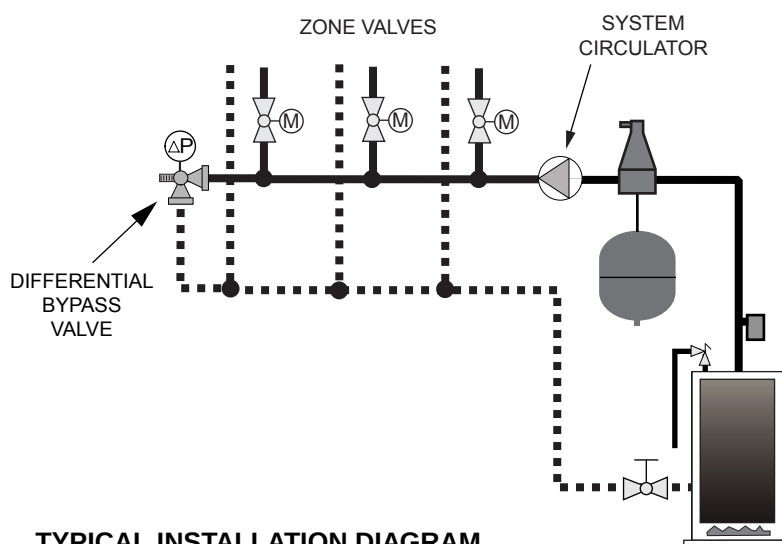
3/4" Differential Bypass Valve Model 3196

SUPERSEDES: February 1, 2005

EFFECTIVE: March 1, 2005

Plant ID No. 001-3817

1. Connect the Taco 3196 Differential Bypass valve between the supply and return lines of the system as shown in the typical installation diagram. Be sure to install with the flow arrow in the correct direction, flowing from the supply to the return.
2. Turn adjustment indicator all the way clockwise until it stops.
3. Refill, purge and restart the heating system. Once the system is up and running at normal operating temperature it is time to set the differential bypass valve.
4. Make sure all zone valves are open and calling for heat. One way to accomplish this is to turn all thermostats up to their maximum temperature settings.
5. After waiting for approximately 2 minutes to be sure the zone valves are fully open, begin turning the differential bypass valve's adjustment indicator counterclockwise.
6. Once an increase in temperature is felt on the outlet side of the bypass valve stop turning counterclockwise, this temperature rise indicates there is now flow through the valve. **WARNING: The pipe may become extremely hot very quickly once the valve opens.**
7. Once flow is established through the bypass valve with all zones open, turn the indicator approximately one full turn clockwise to stop flow through the valve with all zones open. The valve is now set to begin bypassing excess flow velocity as zones close.
8. Return thermostats to preferred temperature settings.



TYPICAL INSTALLATION DIAGRAM

LIMITED WARRANTY STATEMENT

Taco, Inc. will repair or replace without charge (at the company's option) any product or part which is proven defective under normal use within one (1) year from the date of start-up or one (1) year and six (6) months from date of shipment (whichever occurs first).

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TACO, INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 FAX: (401) 942-2360.

TACO (Canada), Ltd., 6180 Ordan Drive, Mississauga, Ontario L5T 2B3. Telephone: 905/564-9422. FAX: 905/564-9436.

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