

## ON-OFF VALVE HYDRONIC 300, 300S and 300E INSTRUCTIONS FOR ADJUSTMENT

Installation  
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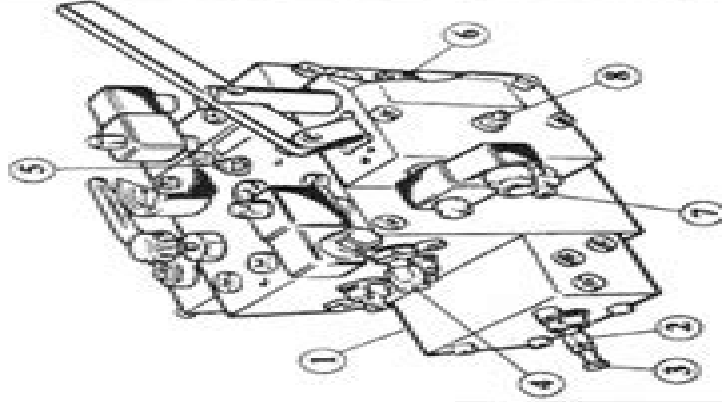
Date 8.3.1991

Compiled by: B. Dahlström/HES

Checked by: R. Pelto-Huikko/HRD

Approved by:

ELEVATOR MOVEMENT	CHANGE	PROCEDURE	REMARKS
↑	Slower	Screw 2 ↻	
	Faster	Screw 2 ↻	
Elevator speed			Not adjustable
Deceleration up down	Softer	Screw 4 ↻	1/10 turn at a time
Levelling speed	Increased	Screw 5 ↻	Common for up and down Normally ca 0.05 m/s
	Decreased	Screw 5 ↻	
Stop	Levelling	Adjusted with shaft vane	Vane ~30 mm from floor level
↓			Not adjustable
Acceleration			
Elevator speed	Increased	Screw 6 ↻	Normally equal with speed in up-direction
	Decreased	Screw 6 ↻	
Deceleration up down	Softer	Screw 4 ↻	1/10 turn at a time
Levelling speed	Increased	Screw 5 ↻	Common for up and down Normally ca 0.05 m/s
	Decreased	Screw 5 ↻	
Stop	Levelling	Adjusted with shaft vane	Vane ~30 mm from floor level
Over pressure	Higher pressure	Screw 1 ↻	Adjusted to max. working pressure + 8 bar
	Lower pressure	Screw 1 ↻	



1. Adjustment screw for over pressure
2. Adjustment screw for acceleration up
3. Adjustment screw for by-pass pressure
4. Adjustment screw for deceleration up and down (for HYDRONIC 300 as an option)
5. Adjustment screw for levelling speed up and down
6. Adjustment screw for elevator speed down
7. Adjustment screw for hand pump pressure
8. Adjustment for service speed (only when HYDRONIC 300S or 300E)

# Hydronic 300 Manual

**CH Cherryholmes**



## **Hydronic 300 Manual:**

*Mechanical Estimating Manual* Joseph D'Amelio, 2021-01-21 First published in 2006 Clear practical and comprehensive this mechanical estimating manual provides an indispensable resource for contractors estimators owners and anyone involved with estimating mechanical costs on construction projects including a wealth of labor and price data formulas charts and graphs Covering timeproven methodologies and procedures it offers the user a full range of readytouse forms detailed estimating guidelines and numerous completed examples You ll learn from leading experts how to produce complete and accurate sheet metal piping and plumbing estimates both quickly and easily The manual will also be of value to supervisors mechanics builders general contractors engineers and architects for use in planning and scheduling work budget estimating cost control cost accounting checking change orders and various other aspects of mechanical estimating *Conceptual Cost Estimating Manual* John S. Page, 1996-06-14 **Solar Home Design Manual for Cool Climates** Shawna

Henderson, 2012-07-26 If you want an inexpensive environmentally sound source of energy for your home you need look no further than the sun Solar heat is not subject to rate increases is totally renewable pollution free and requires little or no technology It is here for you today and can easily provide up to 50% of your space and water heating requirements This is a book that simply and clearly explains the principles of using solar energy to heat your home Anyone building a new home or renovating an old one can incorporate one or several aspects of solar energy into their design Taking you through the process of designing a solar home from the ground up this manual is also a basic course in conservation and sustainable house design If you live in a heating climate meaning if you have space heating requirements for most of the year then this is an invaluable resource A house is the biggest single investment most of us will make in our lives the way it is built and how it operates can reflect a long term investment in both the building and the planet **Variable Air Volume Manual** Herbert Wendes, 1994 From complete system design to testing and balancing to troubleshooting this practical handbook examines all aspects of variable air volume VAV systems for heating ventilating and air conditioning systems The author has incorporated his own hands on expertise into this concise presentation which guides the reader in applying the tricks of the trade for reducing installation and operating costs while increasing occupant comfort Variable air volume applications are examined in detail for dual duct multizone terminal bypass fan powered and other commonly used types of systems You will learn effective methods of varying fan volume calibrating pneumatic and electronic boxes and applying the various types of VAV control systems A wide range of topics are addressed including temperature pneumatics direct digital control coil controls morning warmup and night heating VAV point list fan tracking fume hood applications and conversion of existing systems to VAV A comprehensive chapter on cost estimating has been added to this second edition **2019 Residential Compliance Manual** California Energy Commission, 2018 *Boiler Plant and Distribution System Optimization Manual, Third Edition* Harry Taplin, 2021-01-07 The book has been upgraded with ten new checklists with over 100 ways to improve performance

with 50 additional illustrations to communicate specific information about applying these technologies The new checklists serve as a handy reference for designing an energy plan for your plants Understanding that funds for energy come directly from your bottom line this book has been designed for those tasked with increasing profits by reducing fuel costs while also reducing pollution and carbon footprints with attention to plant safety The author presents many complex boiler related topics in a simple and understandable way to simplify the decision making process *Regulation Fixtures in Hydronic Heating Installations* Damian Piotr Muniak,2018-10-26 The book focuses on design and computational issues related to fixtures and armatures in hydronic heating installations especially regulation valves their selection operating principles types and construction The analysis is complemented by connection diagrams drawings photos of the valves and computational examples of their selection and operation parameters when used in a pipework and a controlled object like a radiator It also discusses issues related to the so called valve authority one of the main parameters determining the quality of the valve regulation process Further it includes an extensive theoretical framework along with a detailed mathematical analysis and proposes new algorithms which have been verified and confirmed experimentally Based on this analysis the book presents the author's analytical approach for sizing a regulation valve as well as an innovative design solution for a regulation valve without the limitations of the valves currently available on the market Lastly it introduces a new verified method of calculating the valve pre setting Intended for engineers dealing with heating issues scientists and students studying environmental engineering energetics and related fields the book is also useful for lecturers designers and those operating heating installations as well as authors of computer programs for thermal and hydraulic balancing of heating installations

"Code of Massachusetts regulations, 2005",2005 Archival snapshot of entire looseleaf Code of Massachusetts Regulations held by the Social Law Library of Massachusetts as of January 2020 **Estimator's Man-Hour Manual on Heating, Air Conditioning, Ventilating, and Plumbing** John S. Page,1978-03-03 The author has had wide experience in cost and labour estimating having worked for some of the largest construction firms in the world He has made and assembled numerous types of estimates including lump sum hard priced and scope and has conducted many time and method studies in the field and in fabricating shops John S Page has received the Award of Merit from the American Association of Cost Engineers in recognition of outstanding service and cost engineering **Mergent Industrial Manual** ,2003 [The Pellet Handbook](#) Gerold Thek,Ingwald Obernberger,2012-06-25 Biomass pellets are a suitable fuel type for a wide range of applications from stoves and central heating systems up to large scale plants and with practically complete automation in all these capacities This handbook written and edited by experienced professionals from IEA Bioenergy Task 32 in cooperation with Bios Bioenergiesysteme GmbH Graz Austria other IEA Tasks and external experts is the first comprehensive guide in English language covering all pellet related issues as illustrated by the following list of topics covered by the book international overview of standards for pellets evaluation of raw materials and raw material potentials quality and properties

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