MVA
Mess- und
VerfahrensTechnik
GmbH

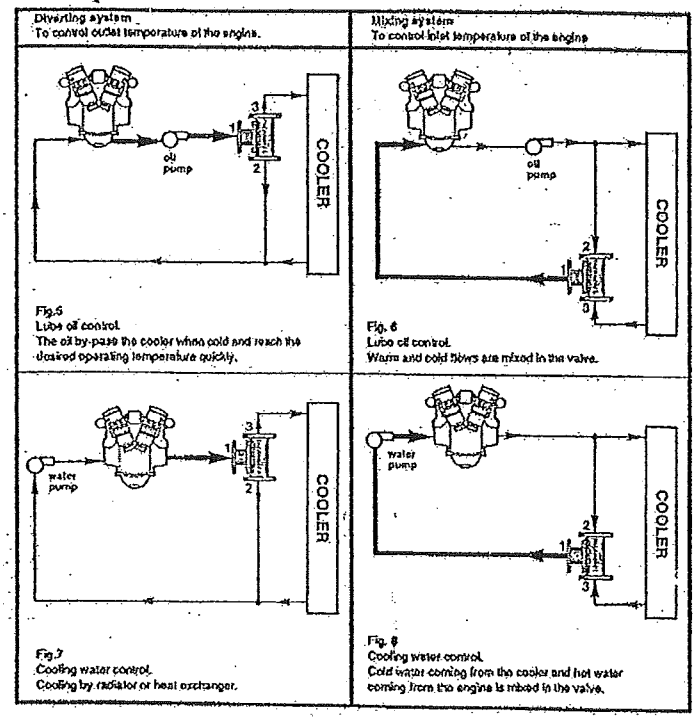
Am KirchenHölzl 7
D-82166 Gräfelfing/München
Fon +49-89-85 83 69-0
Fax +49-89-85 83 69-70

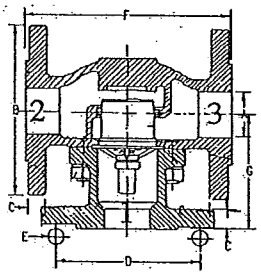
eMail
info@mva-messvt.de
interNet
www.mva-messvt.de

Installation and Maintenance of MVA Thermostatic Valves

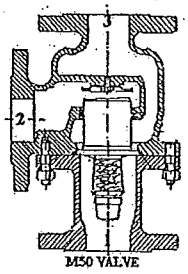
- The valves will operate in any position but must be installed with the ports in the correct positions. For ensuring correct port positions, please refer to the Piping Diagram and Valve Drawings overleaf.
- Stresses from the supporting pipework should be kept to a minimum in accordance with good working practices.
- The valves have an expected life of up to 10 years depending on application and should be regularly inspected for wear and corrosion as part of a planned preventative maintenance programme. If a change of use for the valve is intended then you should then consult the factory to ascertain the suitability of the valve in respect of the fluid it is to be used with (i.e. abrasive/corrosive element)and pressure.
- Care should be taken in handling the valves as some of them are very heavy and it should be recognized that the valve body will be at the same working temperature of the fluid flowing through it and thus could cause burns in hot applications.
- Provision should be made elsewhere in the system for pressure relief blow off.
- In case of fire the valve will be protected from excessive heat by the fluid within it, thus it is imperative that the system is prevented from losing its fluid when subjected to fire. The internal design of the valve ensures that port 1 will always be open to either port 2 or 3, thus the valve cannot shut off the system pipework completely.
- The valve must be suitably isolated from the system pressure and proved to have no pressure within it before any maintenance is carried out. The piping should provide a means of draining fluid from the valve to allow this.
- The MWP of the valve is according to the chart overleaf or the flange standard, whichever is the lower. N/B all valves fitted with manual operators shall be limited to a MWP of 16 bar.
- The designed maximum working temperature is 120°c.
- The temperature range of the thermostatic elements are fixed and non-adjustable. The manual operator fitted to some valves should only be used in the event of a thermostatic element failing.
- For the operation of the Manual Operator Mechanism please refer to the separate sheet supplied.
- For specific valve maintenance instructions/drawings/parts lists and for ordering spare parts, please contact us with the model number and 'A' number of the valve.
- When ordering spares please quote at least the valve model no. and if possible the 'A' number as well.

Material	Cast Iron	S.G. Iron	Aluminium	Bronze	Steel	S. Steel
Class of service	Group 1 Liquids	Group 1 Liquids	Group 1 Liquids	Group 1 Liquids	Group 1 gas	Group 1 gas
Valve size						
M20	12 bar	18 bar	12 bar	12 bar	30 bar	30 bar
M25	12 bar	18 bar	12 bar	12 bar	30 bar	30 bar
M32	12bar	18 bar	12 bar	12 bar	30 bar	30 bar
M40	12 bar	18 bar	12 bar	12 bar	30 bar	30 bar
M32/40/50SX	N/A	N/A	N/A	N/A	40 bar	N/A
M50	12 bar	18 bar	12 bar	12 bar	30 bar	30 bar
M65	12 bar	18 bar	12 bar	12 bar	25 bar	25 bar
M80	12 bar	18 bar	12 bar	12 bar	25 bar	25 bar
M100/Vol=9.50L	12 bar	15 bar	12 bar	12 bar	20 bar	20 bar
M125/Vol=16.0L	12 bar	15 bar	12 bar	12 bar	20 bar	20 bar
M150/Vol=19.0L	12 bar	15 bar	12 bar	12 bar	20 bar	20 bar

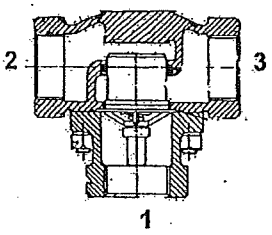




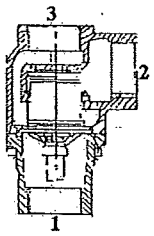
M40T/M50T/
M65T/M80T



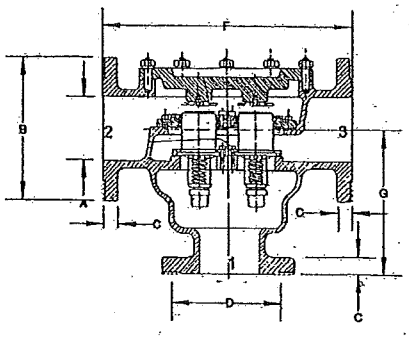
M50



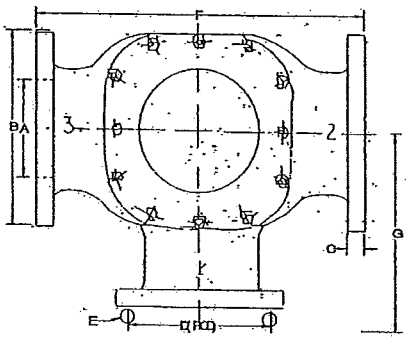
M40T Screwed

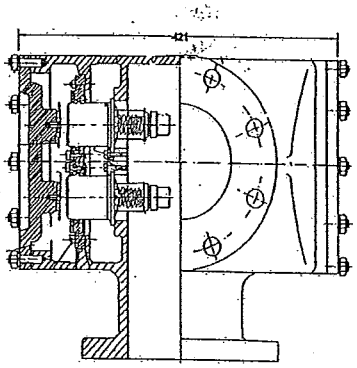


M20/25/32J/40J



M100





M150