

- H. Open/close direction shall be indicated at the operation wheels. Plastic hand wheels will not be accepted. All manual operated valves shall be fitted with locking facilities.
- I. For directional valves the flow direction shall be clearly indicated with an arrow on the valve body.
- J. Each valve shall be fitted with a name plate. The name plate shall incorporate the colour code corresponding to the service of the piping, and to the valve schedule reference number.
- K. Where valves are exposed to outdoor conditions adequate protection covers against dust, sand, etc. for the rotating parts shall be provided.
- L. Valves shall be arranged for convenient operation from appropriate floor level and shall be provided with extension spindles or gearing if necessary. Where extension spindles are fitted, all the thrust when operating the valve shall be taken direct on the valve body and all pedestals necessary shall be mounted directly on the floor. Full manual or semi manual operated valves installed at a height of more than 2 meter above floor or service level shall be fitted with a chain operated wheel.
- M. The valve should be provided with proximity switch to indicate the valve condition (close/open).
- N. Design of the valves shall be in accordance with EN BS 1074.
- O. All valves shall be of heavy duty construction with adequately sized spindles (where applicable), properly supported with holding brackets to ensure no deflection during operation.
- P. When dissimilar metals must be used for valve internal parts the rate of corrosion shall be reduced on acceptable level by using materials that exhibits similar corrosion resistance, by placing dielectric materials between metal parts or/ and by applying dielectric coating.
- Q. All valves shall be flanged in accordance to BS EN 1092.
- R. The Contractor shall submit to the Engineer the manufacturer warranty certificates for the valves.