

1. Title	Install low and medium pressure valves	
2. Code	EMPEIN204A	
3. Range	Perform general installation tasks for low and medium pressure valves in general industrial plants, power plants or other places. The competency of this unit excludes welding procedure.	
4. Level	2	
5. Credits	3	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Pipe and valve assembly drawing content and its illustration method</p> <ul style="list-style-type: none"> <li>◆ Know about pipe and valve parts drawing and assembly drawing content and its illustration method</li> <li>◆ Know about surface development drawings of pipe and valve systems</li> <li>◆ Know about pipe and valve system diagram, pipe system installation content and illustration method</li> <li>◆ Understand the illustration method of pipe and valve system accessories in thermal system drawings</li> <li>◆ Know about the overall layout of steam turbine pipe and valve system</li> <li>◆ Know about the overall layout of the pipe and valve system of boiler system</li> </ul> <p>6.2 Methods and procedures of installing low and medium pressure valves</p> <ul style="list-style-type: none"> <li>◆ Perform installation tasks for low and medium pressure valves</li> <li>◆ Adjust and commission the valve travel and torque</li> <li>◆ Adjust and examine steam and water system safety valves</li> <li>◆ Select appropriate types and specifications of hardware accessories such as fasteners</li> <li>◆ Select appropriate fillers, sealing materials, metal gaskets and non-metal gaskets</li> <li>◆ Select appropriate seal rings, safety valves seal rings, springs and orifice plates</li> <li>◆ Select appropriate thermal insulation material and lubricating materials</li> </ul> <p>6.3 Professionalism in installing low and medium pressure valves</p> <ul style="list-style-type: none"> <li>◆ Follow the requirements of practical guidelines and manufacturer's guidelines on installation to carry out low and medium pressure valve installation tasks, and the installation should pass the leakage test</li> </ul>	
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to install low and medium pressure valves under instruction.</p>	
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general bench fitting techniques. The installer should also possess the competency of welding if welding procedure is involved in installing this type of valves.	