

Hydraulics Technology 3: Course Outline

Catalogue Number	8071-0030
Category	Fluid Motion
Duration	15 Hours
Software Supplied	HydraMotion simulation software

Activity 1: Hydraulic Systems Usage and Control

Activity 2: Electrical Control Signals

Activity 3: Controlling Piston Speed

Skill 3A: Controlling Piston Speed

Activity 4: Non-Return Pilot Valve

Activity 5: Bi-Directional Motor

Activity 6: Pressure Relief Valve

Skill 6A: Pressure Relief Valve

Activity 7: 4/3 Closed-Center Valve vs. 4/3 Tandem-Center Valve

Skill 7A: Comparing 4/3 Valves

Activity 8: Simultaneous Operation of Two Components

Activity 9: Controlling Two Actuators Using Two Valves

Skill 9A: Controlling Two Actuators Independently

Activity 10: Roller Valves

Activity 11: Limit Switch

Skill 11A: Fully Automatic System

Activity 12: Sequence Valve

Activity 13: Sequential Operation



Activity 14: Pressure Reducing Valve

Skill 14A: Pressure Reducing Valve

Activity 15: Latching a Relay

Activity 16: Timers

Activity 17: Automatic Timers