
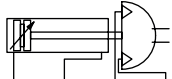
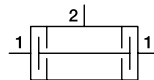


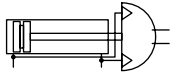
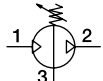
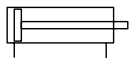
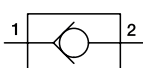
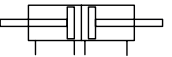
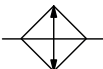
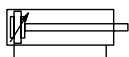

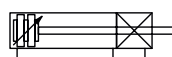
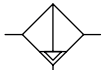
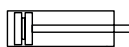
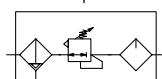


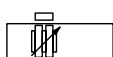
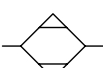

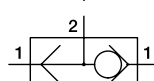
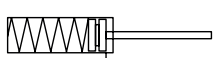

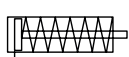

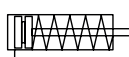
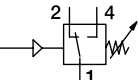


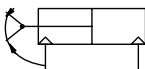
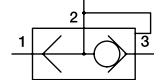
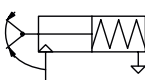
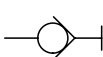
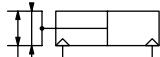
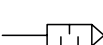
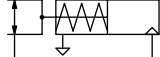

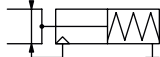
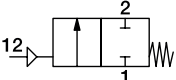

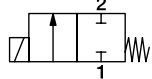

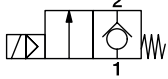

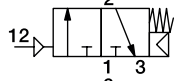

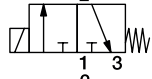

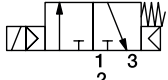

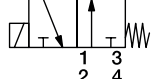



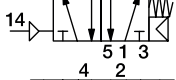

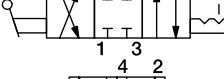







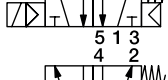

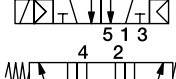

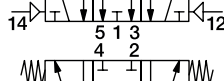

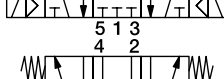

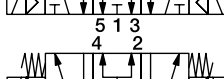

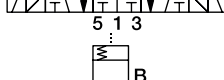
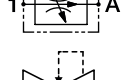



Pneumatic Symbols

AIR LINE EQUIPMENT		ACTUATOR / CYLINDER / GRIPPER	
DESCRIPTION	IMAGE	DESCRIPTION	IMAGE
Air tank		Actuator, combined linear - rotary	
AND valve		Actuator, rotary	
Auto drain valve		Cylinder, clamping	
Booster regulator		Cylinder, double acting	
Check valve		Cylinder, double acting, dual stroke	
Cooler		Cylinder, double acting, with air cushion	
Digital flow switch		Cylinder, double acting, with lock	
Filter with auto drain		Cylinder, double acting, with magnet	
Filter-Regulator-Lubricator with auto drain		Cylinder, dual piston	
Lubricator		Cylinder, rodless	
Membrane air dryer		Cylinder, single acting, spring extend	
OR valve		Cylinder, single acting, spring extend, with magnet	
Pressure gauge		Cylinder, single acting, spring return	
Pressure source		Cylinder, single acting, spring return, with magnet	
Pressure switch		Cylinder, tandem	
Pressure regulator		Gripper, angular, double acting	
Quick exhaust valve		Gripper, angular, single acting, NO	
Self seal fitting		Gripper, parallel, double acting	
Silencer		Gripper, parallel, single acting, NC	
Tube		Gripper, parallel, single acting, NO	

Pneumatic Symbols

DIRECTIONAL CONTROL VALVES		PROCESS VALVES	
DESCRIPTION	IMAGE	DESCRIPTION	IMAGE
2/2- way valve, air operated, NC		Angle valve, 2-way	
2/2- way valve, direct operated, NC		Ball valve, 2- way	
2/2- way valve, pilot operated, NC		Ball valve, 3- way, L	
3/2- way valve, air operated, NC		Ball valve, 3- way, T	
3/2- way valve, direct operated, NC		Butterfly valve, 2-way	
3/2- way valve, pilot operated, NC		Diaphragm valve, 2-way	
3/2- way valve, pilot operated, NO		Diaphragm valve, 2-way, full bore	
4/2- way valve, mechanical operated - toggle lever		Diaphragm valve, 2-way, tank	
4/3- way valve, air operated		Diaphragm valve, 3-way	
4/3- way valve, mechanical operated - toggle lever		Flange valve, 2-way	
5/2- way valve, air operated		Gate valve, 2-way	
5/2- way valve, mechanical operated, push button		Globe valve, 2-way	
5/2- way valve, mechanical operated, tappet		Globe valve, 3-way	
5/2- way valve, pilot operated		Needle valve, 2-way	
5/3- way valve, air operated, closed centre		Pinch valve, 2-way	
5/3- way valve, air operated, exhaust centre		Plug valve, 2-way	
5/3- way valve, pilot operated, closed centre		Plug valve, 3-way, L	
5/3- way valve, pilot operated, exhaust centre		Plug valve, 3-way, T	
5/3- way valve, pilot operated, pressure centre		Proportional flow control valve, 2-way	
Poppet valve		Swing-check valve, 2-way	