















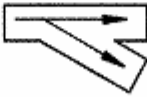

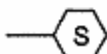





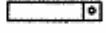




Industrial Valves & Equipments

Valve Symbols

	GATE		PRESSURE RELIEF
	KNIFE GATE		AIR AND / OR VACUUM RELEASE
	BUTTERFLY		REGULATED SIDE PRESSURE CONTROL
	GLOBE		MULTI-PORT VALVES (BALL VALVE SHOWN. FOR OTHER VALVES TYPES, APPROPRIATE VALVE SYMBOL SHOWN.) ARROWS INDICATE FLOW PATTERN. SEAT PORTS ARE IMPLIED BY INDICATED FLOW PATTERN.
	BALL		
	VEE- BALL		
	PLUG		
	SEAT PORT ECCENTRIC PLUG		
	DIAPHRAGM		
	PINCH		
	NEEDLE		
	SWING CHECK		THREE-WAY DIVERTER VALVE
	BALL CHECK		
	SAMPLE		
	MUD		SPLIT DISK CHECK VALVE

Gate Symbols

	SLUICE		FABRICATED SLIDE
	BUTTERFLY		SHEAR
	FLAP		WEIR GATE

Industrial Valves & Equipments

Actuator Symbols



PNEUMATIC
W/POSITIONER



PNEUMATIC WITH
VOLUME BOOSTER



PNEUMATIC
W/SOLENOID



SOLENOID



ELECTRIC



MANUAL



ELECTRIC
W/POSITIONER



ELECTROHYDRAULIC



HYDRAULIC

NOTE:

ON LOSS OF PRIMARY POWER
(PNEUMATIC, ELECTRICAL
OR HYDRAULIC)

XX: FO = FAIL OPEN
FC = FAIL CLOSED
FLP = FAIL TO LAST POSITION