MULTI-TANK OPTION

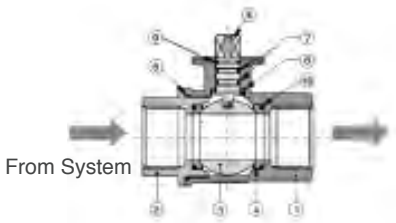
Fuel Tank Selection for Multiple-Tank Fuel Systems

The multi-tank option for select AXI Enclosed Fuel Maintenance Systems is designed to allow for multiple fuel tanks to tie into a single fuel polishing unit. By integrating actuators that control the source of fuel being fed into, out of, or through the unit, controlled by an automated customer selected control sequence. The multi-tank option can ensure optimal fuel quality for up to four fuel tanks, depending on the AXI system installed at the location. For fuel systems requiring the maintenance of more than four fuel tanks, contact AXI for a custom engineered solution.

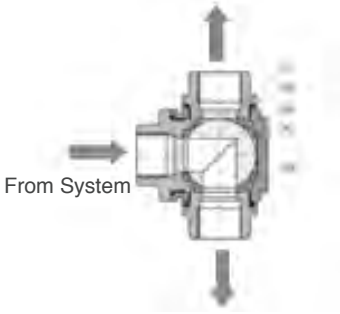
DIRECT MOUNT BALL VALVE STYLES

The multi-tank option with straight ports are shipped independently for modular installation at the users discretion. Depending on the fuel system configuration and number of tanks, port options may vary. Systems with more than two tanks will require discrete valves.

Straight Port



"L" Port



MULTI-TANK SPECIFICATIONS

System	Maximum Tank Connections	Diversion Type	Voltage	Heater	Limit Switch
STS 6010	2 Tanks	L Port	24 Volts	Yes	Yes
STS 7004	2 Tanks	L Port	24 Volts	Yes	Yes
STS 7010	4 Tanks	Straight Port	24 Volts	Yes	Yes
STS 7020	4 Tanks	Straight Port	24 Volts	Yes	Yes
STS 7030	4 Tanks	Straight Port	24 Volts	Yes	Yes
STS 7040	4 Tanks	Straight Port	24 Volts	Yes	Yes
Note: Systems not listed above are not compatible with multi-tank option. For more than four tanks, contact your representative.					

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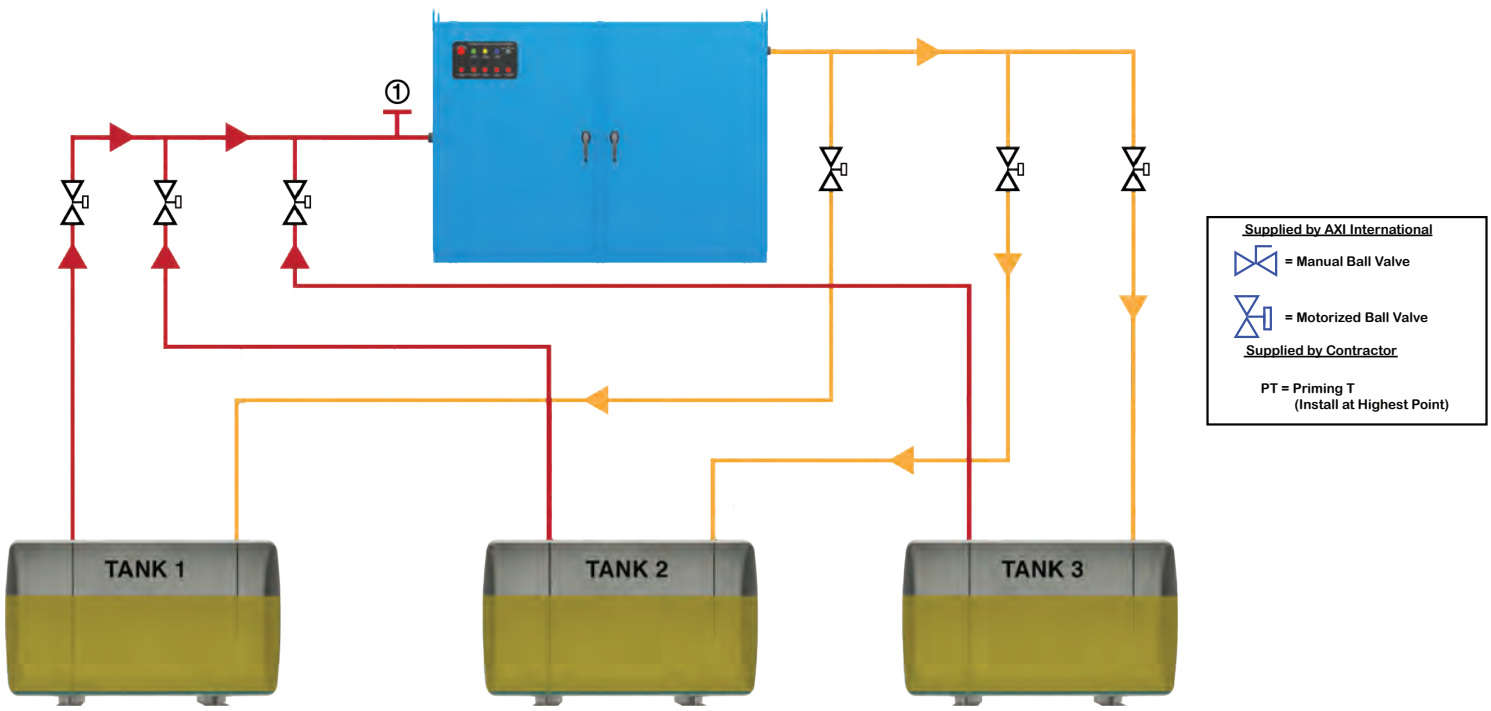
MULTI-TANK CONFIGURATION LAYOUT



Possible Sections:

Section 26 32 00 Packaged Generator Assemblies
Section 23 11 13 Facility Fuel Oil Piping
Section 23 13 00 Facility Fuel-Storage Tanks
Section 23 10 00 Facility Fuel Systems
Other sections applicable

CSI SPECIFICATION:

10. Multi-Tank Valves: Fuel Filtration System should be equipped with properly sized Actuated Ball Valves to ensure no fuel leakage through plumbing during valve closure and limit switches to provide feedback on valve position. Ensure Fuel Filtration System is properly sized to filter the fuel in all tanks based upon the design criteria of the system. Multi-tank system should have the following features:
    a. Diagnostic mode to ensure valve position from manual activation
    b. Shut down upon valve failure to make position
    c. Valve actuator internal heaters to prevent condensation
    d. Automated control for multiple tank filtration cycles
    e. Valve closure upon system shutdown fault

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