

# RMC-002

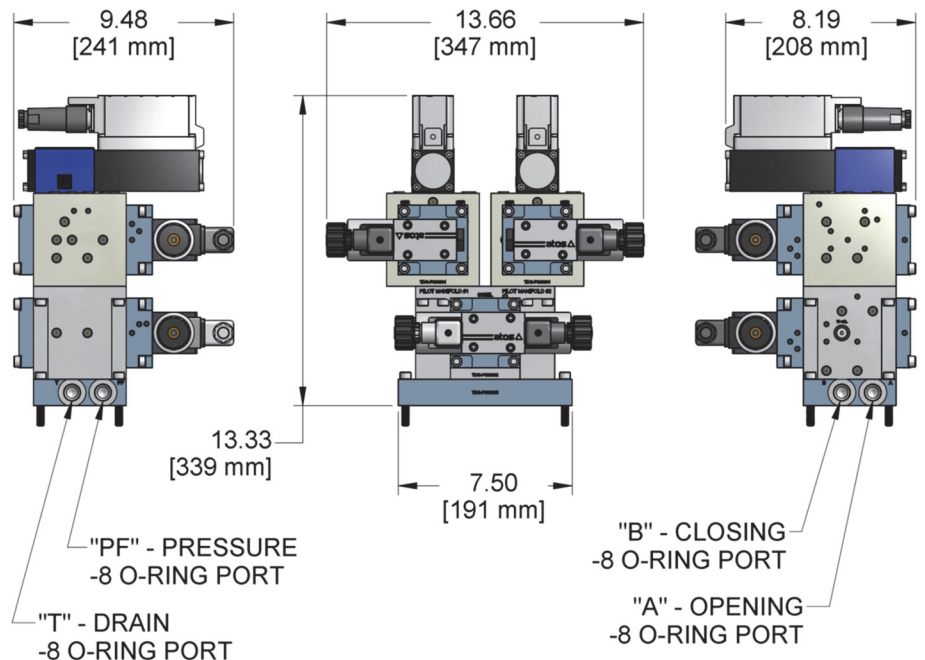
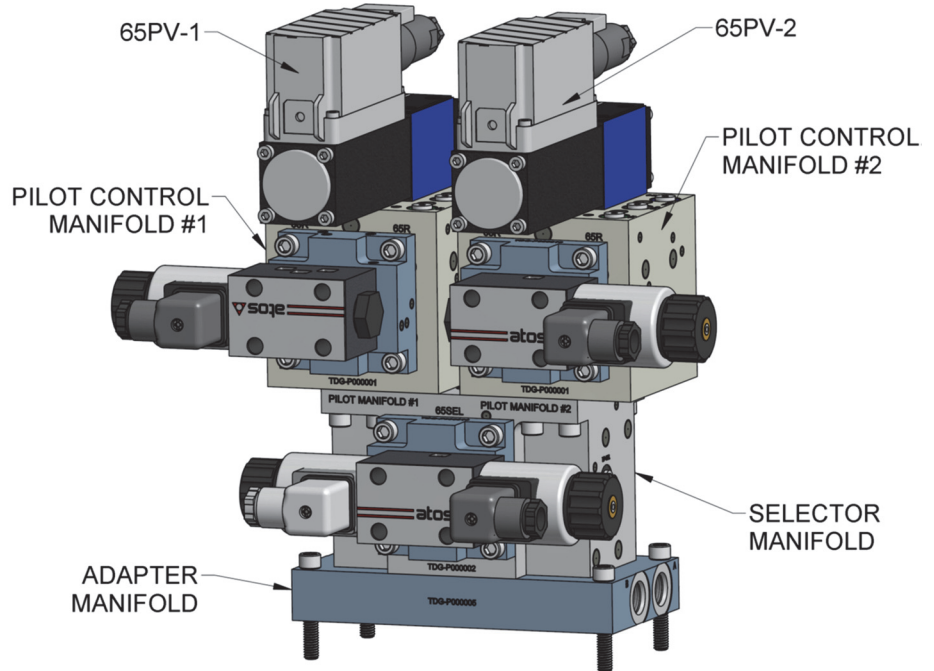
## Redundant Pilot Control Shuttle Manifold

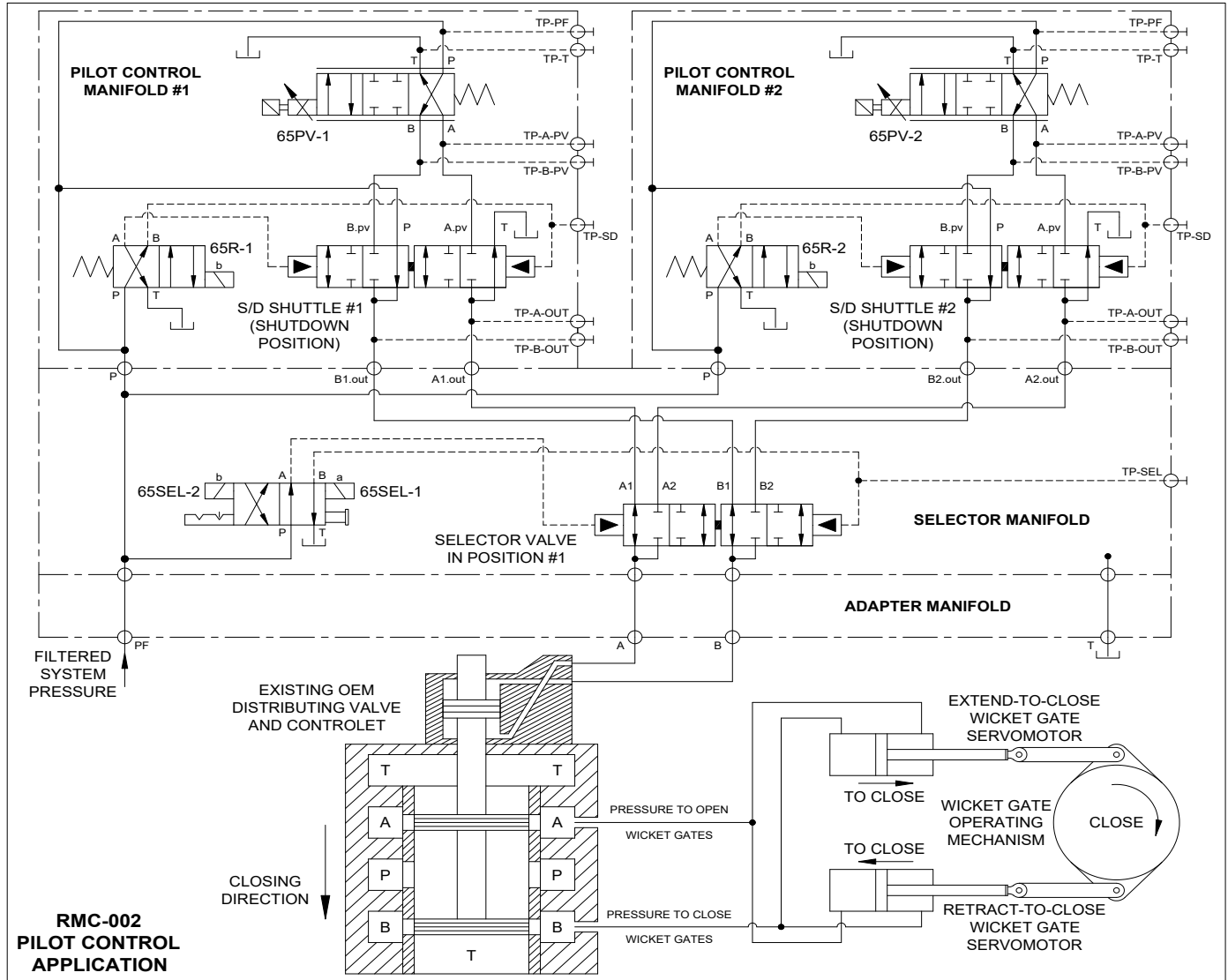
### Operates Hydroelectric Turbine Governor's Hydraulic Distributing Valve

- Equal-Area Valve Servomotor/Controlets
- Type-A Valve Servomotor/Controlets
- Type-B Valve Servomotor/Controlets

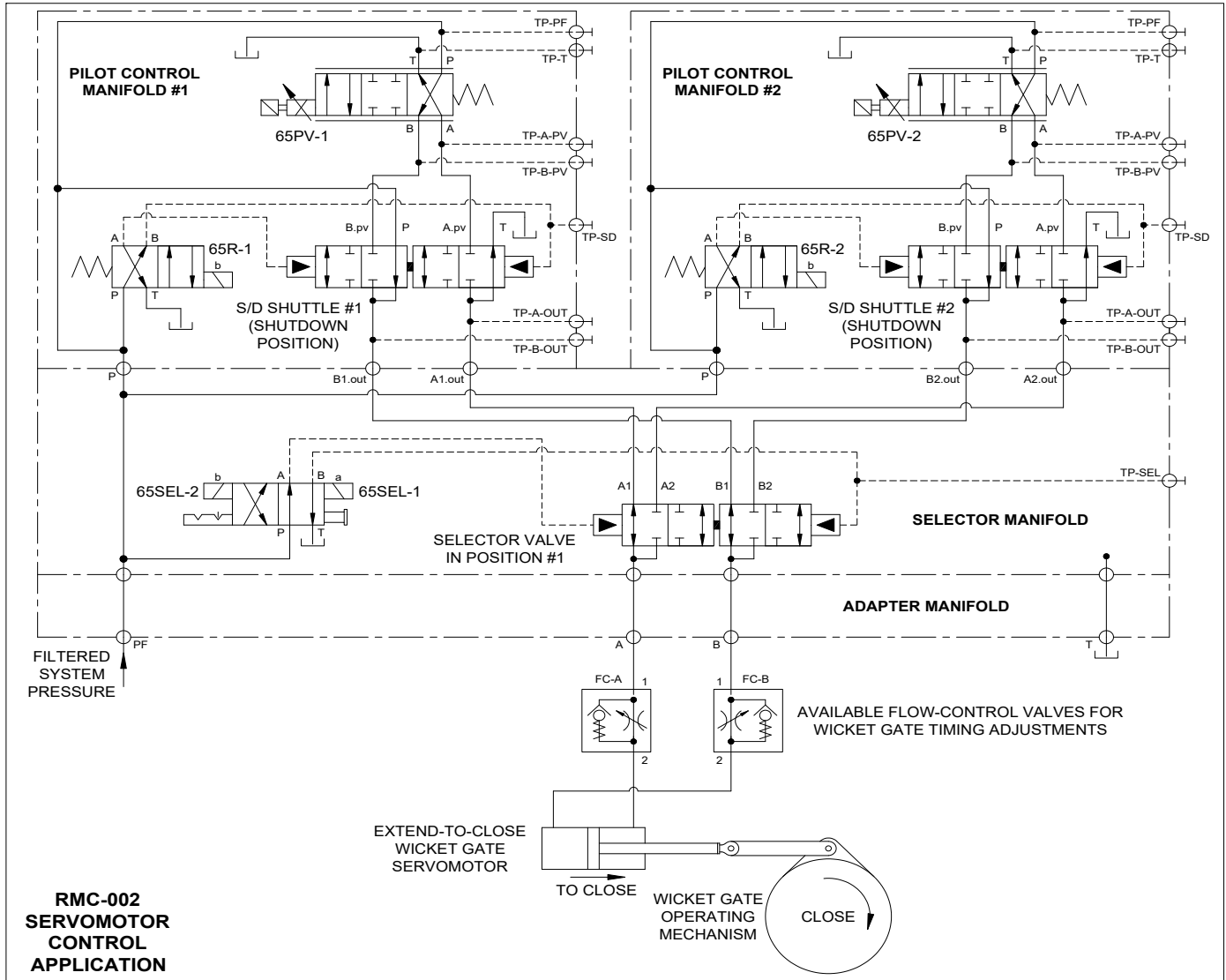
### Operates Smaller Wicket Gate, Needle, Etc. Servomotors Directly

- **Utilizes Commercially Available Proportional Valve for 65PV**
- **Integral Shutdown Shuttle**  
Valves Ensure Failsafe Operation in Compliance with IEEE Std 125 - 5.8.1
- **Output of Active Pilot Control Manifold is Delivered to Adapter Manifold**
- **Reserve Pilot Control Manifold**  
Tracks Active Manifold for Bumpless Transfer
- **Functionally of Reserve Pilot Control Manifold**  
Control Manifold Can Be Tested On-Line, Without Interrupting Operation of Active Manifold
- **Utilizing D03 Type Valves**  
for 65R and 65SEL Allows for a Wide Range of Options Regarding Shutdown Schemes and also for Pilot Manifold Selection
- **External / Remote Hydraulic Signal Sources**  
Can Be Utilized for Run and Shutdown Initiation
- **Custom Adapter Manifold**  
Design Available – Can Adapt to Almost Any Distributing Valve
- **Polarity of Shuttle Valve**  
Can Be Easily Reversed by Moving 65R to Opposite Side of Manifold:  
Energize-To-Run Solenoid on Front of Manifold Becomes Energize-To-Shutdown Solenoid if Installed on Opposite Side of Manifold





**Typical Hydraulic Schematic of Pilot-Control Application**  
**Equal-Area Valve Servomotor/Controlet Shown**



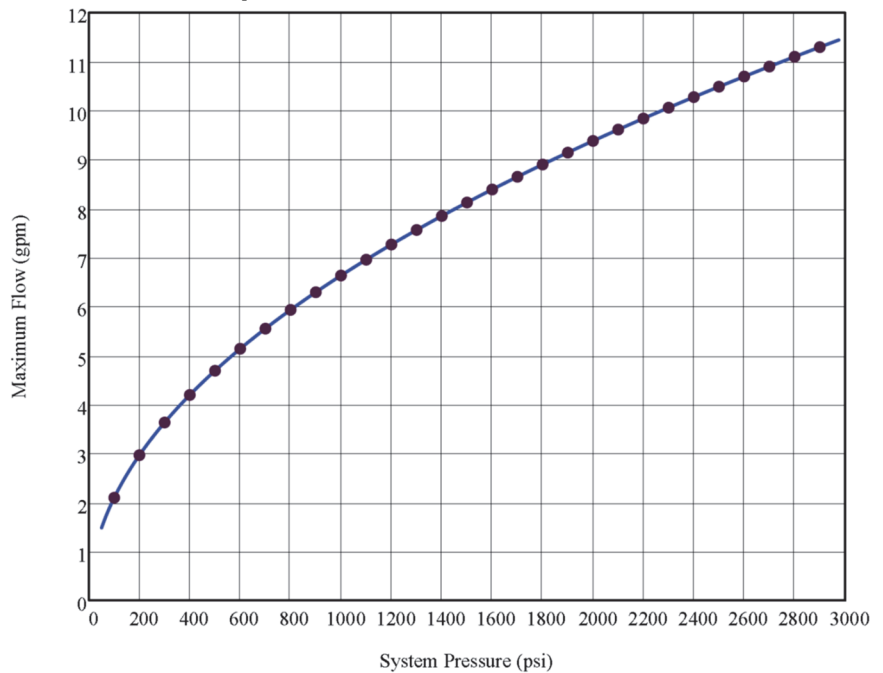
## Typical Hydraulic Schematic of Servomotor-Control Application

### Wicket Gate Servomotor is Controlled Directly (Without Second-Stage Distributing Valve)

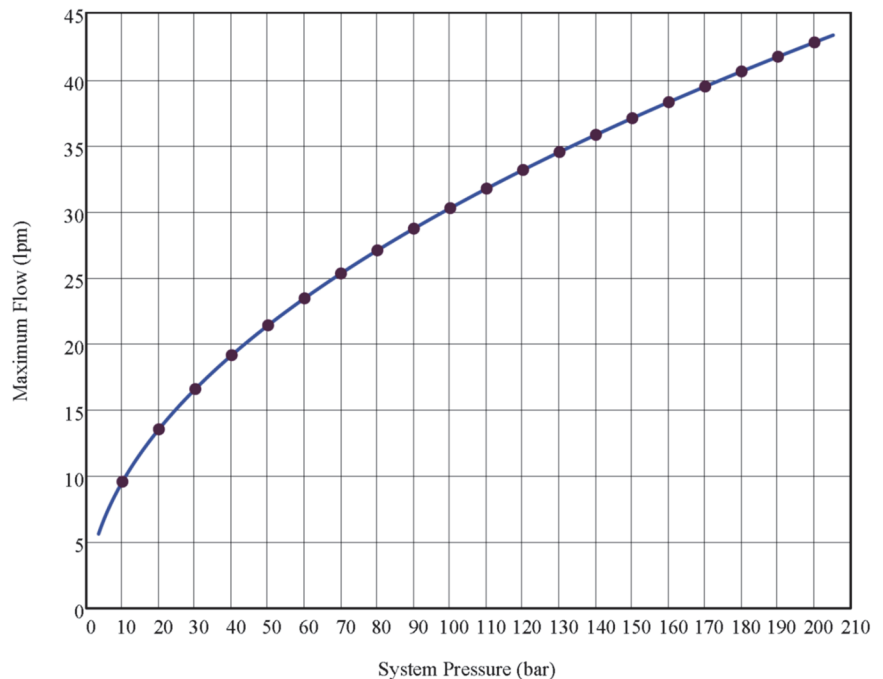
## Specifications:

- 3000 PSI Maximum
- Flow Graphs Based on Commercially Available Proportional Valve Rated at 40 Liter Per Minute (10.6 GPM) with 35 Bar (508 PSI) Pressure Drop Per Land
- Oil Cleanliness Requirements: ISO 18/16/13 (or better)
- Ambient Temperature Range: -4°F to +122°F (-20°C to +50°C)
- Fluid Temperature Range: -4°F to +122°F (-20°C to +50°C)

## Flow Capacity Versus System Pressure In Compliance with IEEE Std 1207 - 6.2.3.2



## Gallons per Minute vs. Pounds per Square Inch



## Liters per Minute vs. Bar